Information on principal adverse impacts on the climate and other environment-related adverse impacts

Version 1.0

Index

FINOA

Introduction

This document, published by Finoa GmbH, details the principal adverse impacts on the climate and other environment-related matters for the crypto-assets within our custody offering. This is a crucial step in implementing Regulation (EU) 2023/1114, the Markets in Crypto-Assets Regulation (MiCA), which aims to increase transparency and accountability within the crypto-asset market regarding environmental sustainability.

Format and content

This information is presented in a single downloadable file and includes the mandatory indicators for each crypto-asset under Finoa GmbH's custody:

Indicator		
S.1	**Name**	The Crypto Asset Service Provider (CASP) name.
S.2	**Relevant legal entity identifier**	The legal entity identifier (LEI) of the entity listed at S.1.
S.3	**Name of the cryptoasset**	The name of the crypto asset is retrieved from https://www.coingecko.com/ that is a widely used crypto assets data platform and ensures comparability and readability. For assets not listed in CoinGecko, the name is retrieved on-chain.
S.4	**Consensus Mechanism**	Consensus Mechanisms are presented with their full name and acronym. ● Proof of Work (PoW) ● Proof of Stake (PoS) We indicate the "auxiliary digital token", i.e. *non-native digital token created as an application on an existing blockchain or other distributed ledger technology for its issuance, storage or transaction record* (ISO 24165-2) as "Auxiliary Digital Tokens (No Consensus Mechanism)".
S.5	**Incentive Mechanisms and Applicable Fee**	The Incentive Mechanisms that are considered are: block rewards (awarded to the block validator), delegation rewards (awarded to the accounts or addresses that are backing validators with crypto assets), chain governance (on-chain voting). Applicable fees that are considered are the transaction fees (paid by accounts or addresses).
S.6	**Beginning of the period to which the disclosure relates**	Initial date of data collection.

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Indicator		
S.7	**End of the period to which the disclosure relates**	Final date of data collection.
S.8	**Energy consumption**	Total amount of energy used for the validation of transactions and the maintenance of the integrity of the distributed ledger of transactions, expressed per calendar year in kWh. For those crypto assets that have existed for less than one calendar year, it has to be intended as a projection based on the data currently available.
S.9	**Energy consumption sources and methodologies**	To ensure that this document complies with the principles of comparability and readability, the Mandatory indicators of Energy consumption sources and methodologies are listed in the form of appendixes to this document: - Appendix A: Covers the Proof of Work (PoW) networks. - Appendix B: Covers the Proof of Stake (PoS) networks. - Appendix C: Covers the Auxiliary Digital Tokens. Each crypto asset indicator references the appropriate Appendix and mentions eventual additional assumptions or deviations from the underlying methodology.

0x Protocol Token

ZRX ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	0x Protocol Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	1,745.21443
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

![Finoa logo]

1Inch Token

| 1INCH | ERC-20 |

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	1Inch Token
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s)
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	1,917.99085
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus networks (Ethereum, Binance Smart Chain) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

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Aave

AAVE   ERC-20

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Aave
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s)
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	8,493.53150
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus networks (Ethereum, Polygon) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Agoric

BLD

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Agoric
S.4	**Consensus Mechanism**	Proof of Stake (PoS)
S.5	**Incentive Mechanisms and Applicable Fee**	For a proof of stake network, the incentive mechanisms consist of rewards for validators who stake their tokens and help secure the network. Users are charged transaction fees to transfer the crypto asset or delegate it to validators. Delegators receive part of the staking rewards. Applicable fees are based on network load and computational resources required.
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	61,350.00000
S.9	**Energy consumption sources and methodologies**	See Appendix B of this document.

Anemoy Liquid Treasury Fund 1

LTF   ERC-20

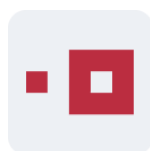| S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Anemoy Liquid Treasury Fund 1
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s)
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	0.07381
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

ARBITRAGE

ARB   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	ARBITRAGE
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s)
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	12.75661
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Atomic Wallet Token

AWC ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Atomic Wallet Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	247.63397
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Audius

AUDIO   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Audius
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	608.75069
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

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Autonolas

OLAS   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Autonolas
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	713.49718
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Solana) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

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Axelar

AXL

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Axelar
S.4	Consensus Mechanism	Proof of Stake (PoS)
S.5	Incentive Mechanisms and Applicable Fee	For a proof of stake network, the incentive mechanisms consist of rewards for validators who stake their tokens and help secure the network. Users are charged transaction fees to transfer the crypto asset or delegate it to validators. Delegators receive part of the staking rewards. Applicable fees are based on network load and computational resources required.
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	38,751.00000
S.9	Energy consumption sources and methodologies	See Appendix B of this document.

Balancer

BAL   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Balancer
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	9,933.88687
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Polygon) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Bancor

BNT ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Bancor
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	3,102.95633
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

BandToken

BAND   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	BandToken
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	341.71745
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Basic Attention Token

| BAT | ERC-20 |

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Basic Attention Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	3,137.57339
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus networks (Ethereum, Solana) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

BIO Token

BIO   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	BIO Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	708.71894
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Solana) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

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BIO Vesting Master

VBIO   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	BIO Vesting Master
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	44.70812
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Bitcoin

BTC   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Bitcoin
S.4	Consensus Mechanism	Proof of Work (PoW)
S.5	Incentive Mechanisms and Applicable Fee	For a proof of work network, the incentive mechanisms and applicable fees consist of rewards for miners who expend computational power to solve complex mathematical problems and secure the network, while transaction fees are charged to users based on network congestion and computational resources required.
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	115,060,000,000.00000
S.9	Energy consumption sources and methodologies	Energy consumption figures for the Bitcoin network are derived from the literature. The methodology is described in Appendix A of this document.

BlackRock USD Institutional Digital Liquidity Fund

BUIDL   ERC-20

S.1	Name	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	BlackRock USD Institutional Digital Liquidity Fund
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	224.55554
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network(s) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Burrow

BRRR   NEP-141

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Burrow
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s)
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	285.99768
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Near protocol) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Business Credit Substitute

| BCS | ERC-20 |

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Business Credit Substitute
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	0.61628
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Celestia

TIA

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Celestia
S.4	Consensus Mechanism	Proof of Stake (PoS)
S.5	Incentive Mechanisms and Applicable Fee	For a proof of stake network, the incentive mechanisms consist of rewards for validators who stake their tokens and help secure the network. Users are charged transaction fees to transfer the crypto asset or delegate it to validators. Delegators receive part of the staking rewards. Applicable fees are based on network load and computational resources required.
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	299795.00000
S.9	Energy consumption sources and methodologies	See Appendix B of this document.

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Celsius

| CEL | ERC-20 |

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Celsius
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	372.23575
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Polygon) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Centrifuge

CFG

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Centrifuge
S.4	Consensus Mechanism	Proof of Stake (PoS)
S.5	Incentive Mechanisms and Applicable Fee	Centrifuge is a Polkadot parachain. Polkadot parachains operate alongside the main relay chain using a Nominated Proof-of-Stake (NPoS) consensus mechanism. In this system, collators on each parachain gather transactions and produce block candidates, which they then submit to validators on the relay chain. These validators, who are selected based on Polkadot (DOT) tokens staked by nominators, verify and finalize the parachain blocks. For a block to be considered valid, it needs approval from a supermajority of relay chain validators. This shared security model means parachains can operate securely without maintaining their own independent validator networks, making them more economically efficient. Transaction fees on Centrifuge are paid in CFG tokens and are calculated based on the computational complexity and size of each transaction. They follow Substrate's weight-based system and are split between the block producer and treasury rather than being burned.
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	40957.02000
S.9	Energy consumption sources and methodologies	See Appendix B of this document.

Centrifuge (v3)

CFG3

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Centrifuge (v3)
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	49.47627
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Chainflip

| FLIP | ERC-20 |

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Chainflip
S.4	**Consensus Mechanism**	Proof of Stake (PoS) and Token
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Chainflip has its own blockchain network called the State Chain where it employs a Proof of Stake consensus mechanism, where validators need to stake FLIP tokens to participate in the network. The consensus is achieved through a rotating validator set system where active validators take turns producing blocks and validating transactions. This consensus model ensures both the security of cross-chain swaps and the efficient operation of the network while maintaining decentralization through economic incentives tied to the FLIP token. Applicable fees are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	328949.32411
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the Ethereum consensus network are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document. For the Chainflip State Chain, assuming a validator hardware with average power draw under load of ~250W, the yearly consumption for one validator is given by: 250W × 24 hours × 365 days = 2,190 kWh

		Chainflip's validator set is fixed to 150 validators, which gives a total network yearly consumption = 2,190 kWh × 150 = 328,500 kWh. The overall consumption is found by summing the Ethereum and State Chain contributions: 449.32 + 328500 = 328949.32 kWh

ChainLink Token

LINK   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	ChainLink Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	84,390.86387
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Polygon) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

chiliZ

| CHZ | ERC-20 |

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	chiliZ
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	996.05623
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Civic

CVC   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Civic
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	497.85775
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Compound

COMP   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Compound
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	2,184.49333
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Crust Network

CRT   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Crust Network
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	237.19133
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

CUBE

AUTO   ERC-20

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	CUBE
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	28.31648
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Dai Stablecoin

DAI   ERC-20

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Dai Stablecoin
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	42,417.64945
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Darwinia Network

RING   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Darwinia Network
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	72.85441
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Polygon) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Data Lake

LAKE   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Data Lake
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	420.56897
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

DENT

DENT   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	DENT
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	599.55339
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

ECO

ECO   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	ECO
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	13.68823
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

ECOx

ECOX   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	ECOx
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	41.72799
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

ELF Token

| ELF | ERC-20 |

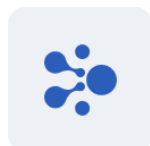| S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	ELF Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	313.41187
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Enjin Coin

ENJ   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Enjin Coin
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	1,775.47875
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

ether.fi Staked ETH

eETH   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	ether.fi Staked ETH
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	7,065.67652
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Ethereum

ETH   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Ethereum
S.4	Consensus Mechanism	Proof of Stake (PoS)
S.5	Incentive Mechanisms and Applicable Fee	For a proof of stake network, the incentive mechanisms consist of rewards for validators who stake their tokens and help secure the network. Users are charged transaction fees to transfer the crypto asset or delegate it to validators. Delegators receive part of the staking rewards. Applicable fees are based on network load and computational resources required.
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	2387553.75000
S.9	Energy consumption sources and methodologies	See Appendix B of this document.

Etherfi

| ETHFI | ERC-20 |

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Etherfi
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	6,826.10332
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

EURC

EURC   ERC-20

S.1	Name	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	EURC
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	1,034.16289
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum, Solana) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

FINOA

Fantom Token

FTM   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Fantom Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	1,890.19503
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

FINOA

Fetch.ai

| FET | ERC-20 |

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Fetch.ai
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	7,981.97017
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum, Binance Smart Chain) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Finka.Swiss

FINKA   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Finka.Swiss
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	0.09646
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Flow

FLOW

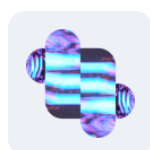| S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Flow
S.4	Consensus Mechanism	Proof of Stake (PoS)
S.5	Incentive Mechanisms and Applicable Fee	For a proof of stake network, the incentive mechanisms and applicable fees consist of rewards for validators who stake their tokens and help secure the network, while transaction fees are charged to users based on network usage and computational resources required.
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	94,257.60000
S.9	Energy consumption sources and methodologies	See Appendix B of this document.

Flux

FLUX   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Flux
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	0.04823
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network(s) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

FunFair

FUN   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	FunFair
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	792.81369
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Healthcare Administration Token

SOLVE   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Healthcare Administration Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	76.54204
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

HedgeTrade

HEDG ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	HedgeTrade
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	21.73895
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Herocoin

PLAY **ERC-20**

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Herocoin
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	62.71500
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

HoloToken

HOT   ERC-20

S.1	Name	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	HoloToken
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	973.12092
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

HuobiToken

	HT	ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	HuobiToken
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	369.04491
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

IDLE

IDLE   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	IDLE
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	155.19599
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Polygon) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Indexed

NDX ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Indexed
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	42.08944
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

IOSToken

IOST   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	IOSToken
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	208.98768
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

IoTeX Network

| IOTX | ERC-20 |

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	IoTeX Network
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	381.00162
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Keep Network

KEEP   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Keep Network
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	172.43334
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

KEY

KEY   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	KEY
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	171.26385
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Konomi

KONO ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Konomi
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	54.56386
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Kyber Network Crystal

KNC   ERC-20

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Kyber Network Crystal
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	554.61697
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Kylin

KYL   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Kylin
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	136.55272
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

KYVE

KYVE

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	KYVE
S.4	Consensus Mechanism	Proof of Stake (PoS)
S.5	Incentive Mechanisms and Applicable Fee	For a proof of stake network, the incentive mechanisms consist of rewards for validators who stake their tokens and help secure the network. Users are charged transaction fees to transfer the crypto asset or delegate it to validators. Delegators receive part of the staking rewards. Applicable fees are based on network load and computational resources required.
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	20691.00000
S.9	Energy consumption sources and methodologies	See Appendix B of this document.

Lambda

LAMB ERC-20

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Lambda
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	117.46136
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Legacy Token

LGCT   **ERC-20**

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Legacy Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	2.49767
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Binance Smart Chain) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

LEOcoin

LEO   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	LEOcoin
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	29.29535
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

LEVERAGE PLATFORM

LVP   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	LEVERAGE PLATFORM
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	0.05895
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

LibraToken

LBA   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	LibraToken
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	179.45296
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Lido Staked ETH

stETH   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Lido Staked ETH
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	13,977.86257
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Lido Wrapped Staked ETH

WSTETH   **ERC-20**

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Lido Wrapped Staked ETH
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	27,054.11632
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Liquid Staked ETH

LSETH ERC-20

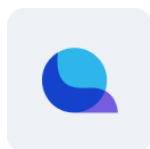| S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Liquid Staked ETH
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	34.77873
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Liquity

LQTY   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Liquity
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	634.50830
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Litentry

LIT ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Litentry
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	117.71585
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Binance Smart Chain) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Lombard Staked Bitcoin

LBTC ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Lombard Staked Bitcoin
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	4514.90645
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Binance Smart Chain, BeraChain) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

LoopringCoin V2

LRC   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	LoopringCoin V2
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	1,351.19285
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Machine Xchange Coin

MXC   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Machine Xchange Coin
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	241.80050
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network(s) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Mainframe Token

| | MFT | ERC-20 |

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Mainframe Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	177.26883
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Maker

MKR   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Maker
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	3055.73565
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Mathchain

MATH ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Mathchain
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	321.95188
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Binance Smart Chain) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

MATRIX AI Network

MAN   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	MATRIX AI Network
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	141.30129
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Mina Blockchain

MINA

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Mina Blockchain
S.4	Consensus Mechanism	Proof of Stake (PoS)
S.5	Incentive Mechanisms and Applicable Fee	For a proof of stake network, the incentive mechanisms consist of rewards for validators who stake their tokens and help secure the network. Users are charged transaction fees to transfer the crypto asset or delegate it to validators. Delegators receive part of the staking rewards. Applicable fees are based on network load and computational resources required.
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	447560.00000
S.9	Energy consumption sources and methodologies	See Appendix B of this document.

Mithril Token

MITH   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Mithril Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	207.55470
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Monaco

MCO **ERC-20**

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Monaco
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	143.14668
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

MoneyToken

IMT ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	MoneyToken
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	325.21412
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

NCDToken

NCDT   ERC-20

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	NCDToken
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	89.47456
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

NEAR

NEAR

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	NEAR
S.4	Consensus Mechanism	Proof of Stake (PoS)
S.5	Incentive Mechanisms and Applicable Fee	For a proof of stake network, the incentive mechanisms consist of rewards for validators who stake their tokens and help secure the network. Users are charged transaction fees to transfer the crypto asset or delegate it to validators. Delegators receive part of the staking rewards. Applicable fees are based on network load and computational resources required.
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	113809.00000
S.9	Energy consumption sources and methodologies	See Appendix B of this document.

Nexo

NEXO   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Nexo
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	1,851.40084
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

FINOA

NOAHCOIN

NOAH		ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	NOAHCOIN
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	437.51600
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

NuCypher

NU   ERC-20

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	NuCypher
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	300.66944
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Oasis

ROSE

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Oasis
S.4	Consensus Mechanism	Proof of Stake (PoS)
S.5	Incentive Mechanisms and Applicable Fee	For a proof of stake network, the incentive mechanisms consist of rewards for validators who stake their tokens and help secure the network. Users are charged transaction fees to transfer the crypto asset or delegate it to validators. Delegators receive part of the staking rewards. Applicable fees are based on network load and computational resources required.
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	127937.50000
S.9	Energy consumption sources and methodologies	See Appendix B of this document.

Ocean Token

OCEAN   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Ocean Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	1,274.73668
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Polygon) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

OCoin

OCN ERC-20

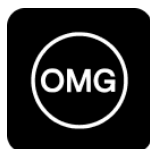| S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	OCoin
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	1,279.90709
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

OmiseGO

OMG   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	OmiseGO
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	3,871.01007
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Open Forest Protocol

OPN   NEP-141

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Open Forest Protocol
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	0.41721
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Near protocol) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

OUSG

OUSG ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	OUSG
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	9.64204
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Paras

PARAS   NEP-141

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Paras
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	15.04899
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Near protocol) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

PayPal USD

PYUSD   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	PayPal USD
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	2,719.27194
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Solana) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

PembRock

PEM   NEP-141

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	PembRock
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	8.65056
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Near protocol) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Phala Network

PHALA   ERC-20

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Phala Network
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	2,484.29871
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Polygon

MATIC   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Polygon
S.4	Consensus Mechanism	Proof of Stake (PoS) and Token
S.5	Incentive Mechanisms and Applicable Fee	The token has a native blockchain network, Polygon (formerly Matic Network), which uses a Proof of Stake (PoS) consensus mechanism with a unique implementation called the Heimdall layer, working alongside a set of validators. These validators are chosen based on their MATIC token stakes and are responsible for validating and producing blocks on the network. The consensus mechanism employs a system where validators take turns producing blocks in a deterministic order, with checkpoints being regularly committed to the Ethereum mainnet. To prevent malicious behavior, validators must stake a significant amount of MATIC tokens which can be slashed if they act dishonestly. This design helps Polygon achieve fast block times and high transaction throughput while maintaining security through economic incentives and the connection to Ethereum's security model. In addition, the token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution on the blockchain networks. Applicable fees are subject to change based on network(s) conditions and governance decisions of the underlying blockchain networks (Ethereum, Binance Smart Chain).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	406,255.39109
S.9	Energy consumption sources and methodologies	For the energy consumption sources and methodology of the native blockchain network see Appendix B. Energy consumption figures for the underlying consensus network(s) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Polymath

POLY   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Polymath
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	827.08223
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Power Token

POWER   ERC-20

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Power Token
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	49.45453
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

PowerCoin

PWR   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	PowerCoin
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	0.00536
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

PowerLedger

POWR   ERC-20

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	PowerLedger
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	658.01946
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Pundi X Token

NPXS | ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Pundi X Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	553.76291
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Quant

QNT   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Quant
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	2,629.70584
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

QuarkChain Token

QKC   ERC-20

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	QuarkChain Token
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	96.23661
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Radial

RAD | ERC-20

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Radial
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	0.05895
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Radicle

RADIC   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Radicle
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	274.26404
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Rally

RLY   ERC-20

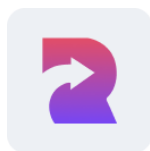| S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Rally
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	369.30378
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Ref Finance

REF NEP-141

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Ref Finance
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	387.72461
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Near protocol) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Refereum

RFR   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Refereum
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	341.55876
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Renzo Restaked ETH

EZETH   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Renzo Restaked ETH
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	1,802.03514
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Binance Smart Chain) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Republic Token

REN   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Republic Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	1,074.79025
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Reputation

REP   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Reputation
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	173.03496
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network(s) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Request

REQ   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Request
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	1,074.79025
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Restaked Swell ETH

RSWETH **ERC-20**

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Restaked Swell ETH
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	1,802.03514
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Robonomics

XRT   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Robonomics
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	249.21360
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Rocket Pool ETH

rETH ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Rocket Pool ETH
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	3,585.59283
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Saga

SAGA

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Saga
S.4	**Consensus Mechanism**	Proof of Stake (PoS)
S.5	**Incentive Mechanisms and Applicable Fee**	For a proof of stake network, the incentive mechanisms consist of rewards for validators who stake their tokens and help secure the network. Users are charged transaction fees to transfer the crypto asset or delegate it to validators. Delegators receive part of the staking rewards. Applicable fees are based on network load and computational resources required.
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	10,346.00000
S.9	**Energy consumption sources and methodologies**	See Appendix B of this document.

Nillion

NIL

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Nillion
S.4	Consensus Mechanism	Proof of Stake (PoS)
S.5	Incentive Mechanisms and Applicable Fee	For a proof of stake network, the incentive mechanisms consist of rewards for validators who stake their tokens and help secure the network. Users are charged transaction fees to transfer the crypto asset or delegate it to validators. Delegators receive part of the staking rewards. Applicable fees are based on network load and computational resources required.
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	20,631.00000
S.9	Energy consumption sources and methodologies	See Appendix B of this document.

Salt

SALT ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Salt
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	436.84712
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

SANtiment network token

SAN   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	SANtiment network token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	22.63511
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Shapeshift

FOX   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Shapeshift
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	537.44550
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

SiaCashCoin

SCC   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	SiaCashCoin
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	688.44482
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

SKALE

SKL   ERC-20

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	SKALE
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	568.95145
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Sora Network

XOR   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Sora Network
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	1150.44931
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

STAFI Protocol

FIS   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	STAFI Protocol
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	92.22815
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Stakewise

SWISE ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Stakewise
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	87.07220
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

STASIS EURS Token

EURS   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	STASIS EURS Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	241.55595
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Polygon) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Status Network Token

SNT   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Status Network Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	855.86720
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

STFX

STFX   ERC-20

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	STFX
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	815.34281
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum, Solana) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Storiqa Token

STQ   ERC-20

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Storiqa Token
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	316.62930
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

StorjToken

STORJ ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	StorjToken
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	821.19806
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Storm Token

STORM **ERC-20**

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Storm Token
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	200.95492
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Superstate Short Duration U.S. Government Securities Fund (USTB)

USTB   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Superstate Short Duration U.S. Government Securities Fund (USTB)
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	1.20608
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

SushiToken

SUSHI   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	SushiToken
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	2,295.32157
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Polygon, Binance Smart Chain) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Sweatcoin

SWEAT NEP-141

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Sweatcoin
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	41,080.05899
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Near Protocol) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Swell Ethereum

SWETH **ERC-20**

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Swell Ethereum
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	2080.78427
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Synthetix Network Token

SNX   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Synthetix Network Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	3,340.01965
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Polygon) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Taiko

TAIKO | ERC-20

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Taiko
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	2,543.25411
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Taxa Network

TXT   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Taxa Network
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	3.08627
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Telekommunikations Tracker Certificate

| TTC | ERC-20 |

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Telekommunikations Tracker Certificate
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	0.01072
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Tether USD

USDT   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Tether USD
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	616,689.96
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Solana, Avalanche, Near Protocol) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

The Graph

GRT   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	The Graph
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	3,002.06209
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Polygon) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Theta Token

THETA   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Theta Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	228.00745
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Tierion Network Token

TNT   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Tierion Network Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	119.34407
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Tronix

| TRX | ERC-20 |

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Tronix
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	5,387.19573
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

TrueUSD

TUSD ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	TrueUSD
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	617.58537
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Binance Smart Chain) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

TruFin Staked MATIC

TRUMATIC   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	TruFin Staked MATIC
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	13.45236
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Polygon) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Unibright Token

UBT   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Unibright Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	226.17017
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Polygon) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Uniswap

UNI   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Uniswap
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	2,277.53194
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Binance Smart Chain, Polygon) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

USDC

USDC ERC-20

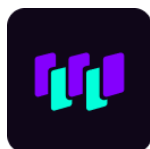| S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	USDC
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	543,241.51451
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Solana, Ethereum, Polygon, Avalanche, Near Protocol) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

VEGA Protocol

VEGA   ERC-20

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	VEGA Protocol
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	0.77169
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Vogemann Green Ship Token

VGST   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Vogemann Green Ship Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	0.19110
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Walton Token

WTC · ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Walton Token
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	140.97468
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Worldcoin

WLD   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Worldcoin
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	1,359.77505
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Wrapped TAO

WTAO   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Wrapped TAO
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	3,093.42187
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

XMAX

XMX   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	XMAX
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	786.00116
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

XOVBank

XOV   ERC-20

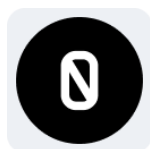| S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	XOVBank
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	34.01232
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Yearn.Finance

YFI   ERC-20

S.1	Name	Finoa GmbH
S.2	Relevant legal entity identifier	52990013JXSGB2PVLC39
S.3	Name of the cryptoasset	Yearn.Finance
S.4	Consensus Mechanism	Auxiliary Digital Token (No Consensus Layer)
S.5	Incentive Mechanisms and Applicable Fee	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	Beginning of the period to which the disclosure relates	01/01/2025
S.7	End of the period to which the disclosure relates	31/05/2025
S.8	Energy consumption	955.93039
S.9	Energy consumption sources and methodologies	Energy consumption figures for the underlying consensus network (Ethereum, Polygon) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Yield Guild Games

YGG   ERC-20

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Yield Guild Games
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	331.57778
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum, Polygon, Binance Smart Chain) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

FINOA

Zero Token

ZERO   ERC-20

S.1	**Name**	Finoa GmbH
S.2	**Relevant legal entity identifier**	52990013JXSGB2PVLC39
S.3	**Name of the cryptoasset**	Zero Token
S.4	**Consensus Mechanism**	Auxiliary Digital Token (No Consensus Layer)
S.5	**Incentive Mechanisms and Applicable Fee**	The token relies on one or more blockchain networks (with their own consensus mechanisms) for the storage of account data and for the transactions execution. Applicable fees for transaction execution are subject to change based on network(s) conditions and governance decisions of the underlying blockchain network(s).
S.6	**Beginning of the period to which the disclosure relates**	01/01/2025
S.7	**End of the period to which the disclosure relates**	31/05/2025
S.8	**Energy consumption**	27.08482
S.9	**Energy consumption sources and methodologies**	Energy consumption figures for the underlying consensus network (Ethereum) are derived from measurements conducted by Finoa Consensus Services GmbH. The number of transactions, number of accounts and transaction fees are retrieved from on-chain data. The methodology is described in Appendix C of this document.

Appendix A: Methodology for Proof of Work (PoW) networks

The energy consumption figures for Proof-of-Work (PoW) networks like Bitcoin are primarily driven by the network hash rate and the energy efficiency of the mining hardware.

The network hash rate, representing the total computational power of the network, can be estimated by analyzing the rate at which new blocks are mined in conjunction with the current block difficulty. The difficulty adjusts dynamically to maintain a relatively constant block generation time. A higher rate of block discovery than the target suggests an increase in the overall network hash rate.

To estimate the **Bitcoin** network's energy consumption, we first identify the active miner types by considering the prevalent Application-Specific Integrated Circuit (ASIC) models currently in use. Subsequently, we calculate their energy efficiency, a crucial metric measured in joules per terahash (J/TH), which indicates the energy consumed for each unit of computational power. This efficiency data is typically sourced from manufacturer specifications and independent hardware reviews. To account for the diverse mix of mining hardware, encompassing both older and newer generations, we determine the overall network energy efficiency as a weighted average based on the proportion of each hardware generation in operation. For this calculation, we assume a representative basket of ASIC miners, consisting of 60% newer machines (exemplified by the Antminer S21 at approximately 17.5 J/TH), 30% mid-generation machines (such as the Antminer S19 XP at around 21.5 J/TH), and 10% older machines (like the Antminer S19 at about 29.5 J/TH).

Using this assumed hardware distribution, the average hardware efficiency is calculated as:
$(0.60 \times 17.5) + (0.30 \times 21.5) + (0.10 \times 29.5) = 19.9 J/TH$

With the current total network hash rate, measured in TH/s, we can then determine the basic annual electricity network consumption. The basic power is derived by multiplying the network hash rate by the average hardware efficiency:
Basic Power (W) = Network Hash Rate (TH/s) × Average Hardware Efficiency (J/TH)

The annual electricity network consumption is then calculated as:
Annual Electricity Network Consumption (kWh/year) = Basic Power (W) × 24hours × 365days / 1000

Furthermore, we incorporate additional energy demands beyond the mining hardware itself, such as cooling and mining facility overhead, through the Power Usage Effectiveness (PUE). The PUE, estimated at a typical industry average of 1.2, accounts for the total energy used by the infrastructure.

Assuming a current network hash rate of 550 EH/s (Exahashes per second, or 550×10^{18} H/s = 550,000,000 TH/s):

Basic Power (MW) = 550,000,000 TH/s × 19.9 / 10^6 J/TH = 10,945 MW

Adjusted Power (MW) = Basic Power (MW) × PUE = 10,945 MW×1.2 = 13,134 MW

Annual Energy Consumption (TWh/year) = 13,134 MW × 24 hours × 365 days / 10^6 ≈ 115.06 TWh/year

Appendix B: Methodology for Proof of Stake (PoS) networks

The energy consumption analysis for Layer-1 (L1) PoS networks combines two key elements: the average power usage per validator, as measured by Finoa Consensus Services GmbH, and the total number of network validators tracked through blockchain explorers. For these calculations, we assume that validator nodes across the network operate in infrastructure environments comparable to those used by Finoa Consensus Services GmbH. It is appropriate to take into account only the nodes actively involved in the validation, as they ensure the maintenance of the integrity of the Distributed Transaction Ledger (DLT). Other types of nodes such as lightweight nodes and archival nodes are often not advertised in the network and are not part of the Consensus Mechanism.

Annual Energy Consumption (kWh/year) = Validator energy consumption × Number of validators

Blockchain network	Validator energy consumption (kWh/year)	Number of validators
Agoric	666.84	92
Avalanche (**)	919.80 (*)	1379
Axelar	516.68	75
BeraChain (**)	788.40 (*)	65
Binance BSC (**)	1774 (*)	45
Celestia	1270.32	236
Centrifuge	400 (*)	10 (collators - detailed in discussion below)
Ethereum	2.25 (detailed in discussion below)	1061135
Flow	350.40	269
KYVE	246.32	84
Mina Blockchain	2034.36	220
Nillion	508.35	42
Near	508.07	224
Oasis	1112.50	115
Polkadot (**)	141.43	2050
Polygon	3818.19	104

Saga	492.64	21
Solana (**)	4452.06 (*)	1314

(*) *The "Validator energy consumption" marked with an asterisk is derived from hardware comparison and not directly from measurements.*
(**) *The native token of this network may not be in the Finoa custody catalog, but there might be Auxiliary Digital Tokens that are available also in this network.*

Additional considerations and insights on the Methodology are reported below.

For the **Ethereum network**, an execution client (e.g. geth) might use slightly less CPU during idle periods, but a consensus client (e.g. Prysm) maintains roughly the same workload since it needs to participate in consensus regardless of transaction volume. The average power usage per validator is measured by Finoa Consensus Services GmbH in their validators infrastructure and we assume that other professional operators adopted a similar setup. A machine consumes approximately 257 W and can support 1000 validators, giving a consumption of 2.25 kWh per validator per year. There are 1061135 validators in the network.

For the **Polkadot ecosystem** "Parachains", the energy consumption analysis combines three key elements: the average power usage per collator, the total number of collators tracked through blockchain explorers, and the contribution to the Polkadot network consumption.

The typical collator server setup requires ~400W (including cooling), which gives an annual consumption for a collator: 400W × 8,760 hours = 3,504 kWh/year. According to the Centrifuge explorer there are 10 collators, leading to a collators network consumption of 35040 kWh/year.

The Polkadot network supports tens of different "Parachain" networks and Centrifuge itself is a Parachain. The contribution to the Polkadot network electricity consumption is given by dividing the total consumption (289934 kWh/year) by the number of Parachains (49): 289934/49 = 5917.02 kWh/year.

We conclude that the Centrifuge yearly electricity consumption is given by 35040 + 5917.02 = 40957.02 kWh/year.

BeraChain uses a Proof-of-Liquidity consensus mechanism, which is a form of Proof-of-Stake (PoS).

Based on existing hardware that meets typical BeraChain validator recommendations, the estimated annual energy consumption is approximately 788.4 kWh per year. This calculation considers the recommended hardware specifications and their estimated power consumption. This figure is an estimate. Actual energy usage will depend on the specific choice of hardware components (CPU model, SSD efficiency, etc.), the actual load on the validator node (which can fluctuate), ambient temperature, and PSU efficiency under its specific load.

The **Avalanche** network, a Layer-1 blockchain designed for scalability through its subnet architecture, is composed of the X-Chain, P-Chain, and C-Chain. Operating with a Proof-of-Stake (PoS) consensus mechanism, Avalanche relies on validators staking their AVAX tokens to secure the network and validate transactions. The C-Chain serves as the smart contract platform, allowing for contract creation and deployment and supporting the execution of EVM-compatible decentralized applications. Estimating the yearly energy consumption for running an Avalanche node involves considering its hardware requirements, which typically include a multi-core CPU, a moderate amount of RAM, and SSD storage. Based on these components, the instantaneous power draw could range from approximately 65 to 145 Watts under typical

operation. Assuming continuous operation throughout the year, this would translate to a yearly energy consumption in the range of roughly 700 to 1300 kilowatt-hours.

The calculations presented in this Appendix are based on the assumption that the validator operators implement the same hardware configuration including redundant systems, achieving the same server efficiency.

Appendix C: Methodology for Auxiliary Digital Tokens

The contribution of the token on a network power consumption is given by the combination of two factors: **storing** the token and **transferring** the token.

Accounting the consumption to store the accounts information is particularly important for those tokens that don't generate substantial volumes of yearly transactions. We define a baseline consumption given by the power consumption of running a blockchain node in an idle network (P_S), i.e. a network where there are no transactions occurring. In such a network, the validators are only investing energy to store the information. On the other hand, we define a "busy" network when blocks are filled with transactions. The load depends on the network and can vary. We list the Validator Energy Consumption for several networks in Appendix B.

We estimate that the power difference between an idle and busy network is relatively small (30-50%), because most of the power consumption comes from:

- Basic system operations (CPU idle, memory, disk, network card)
- Regular consensus activities that happen regardless of transaction volume
- Keeping the clients running and synchronized.

In our methodology, we make an assumption and set P_S to the 60% of the Validator Energy Consumption listed in Appendix B.

We define N_S the fraction of addresses holding the token on the total number of addresses in the network, which can be retrieved directly from the blockchain node APIs. The contribution of a token to the idle power consumption of the network is given by

$$S = N_S \times P_S$$

We assume that the average power consumption of a node to validate transactions, P_T, is the total node consumption minus the idle power consumption, i.e. the 40% of the Validator Energy Consumption listed in Appendix B.

For the EVM blockchains (Ethereum, Polygon, Binance Smart Chain) the fraction of this power that is dedicated to transferring the token is calculated based on the "gas" units. In EVM blockchain networks, gas units are associated with each transaction and give a good measure of the computational cost of each transaction.

For Near Protocol and Solana blockchains, the fraction of this power that is dedicated to transferring the token is calculated based on the number of transactions divided by the total number of transactions.

We obtain the token contribution N_T by dividing the amount of gas used by the transactions involving the token by the total amount of gas used in the network during one year of activity. Finally, T, the power consumption of a node to validate all the transactions involving the token is simply obtained as:

$$T = N_T \times P_T$$

The result is that a token power consumption in a blockchain network is $N \times (S+T)$, where N is the number of validators in the network, as listed in Appendix B.

We obtain the token contribution by summing the consumption of the L blockchain networks where the token is stored:

$$D = \sum_{l=1,\ldots,L} (S_l + T_l)$$

but for simplicity we exclude from the sum those blockchain networks for which the contribution is marginal (we only consider networks that accrue for the 90% of the token addresses, i.e. holders).

Finally the yearly electricity consumption of the token (E) is equal to the total calculated contribution D.

In our methodology we assume that the contribution of electricity consumption given by the "Layer 2 networks" is negligible compared to the consumption of the Layer 1 networks. The motivation is that the current Layer 2 blockchain networks rely on centralized sequencers to process and order transactions. Therefore, the contribution of the infrastructure running the sequencer and its backup can be neglected when compared with a L1 decentralized network.