



TECHNOLOGY
BROKER

Denmark

Managed by

SPACE VENTURES 

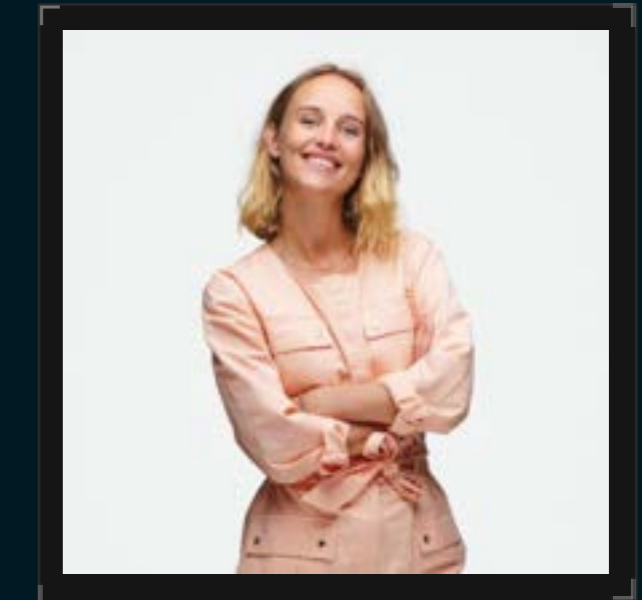
Supported by

DANISH INDUSTRY
FOUNDATION

Grow your business With Space

AGENDA

- Short introduction to Space Ventures DK
- ESA Business Incubation Centre



SPEAKER

Kathrine Elvira Boysen
Head of External Relations,
DTU Space Ventures



TECHNOLOGY
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Denmark

//01

Introduction to the Space Economy

Image Credit: DLR, ©ESA

//THE SPACE ECONOMY

The moon landing wasn't the end of the space race. It was the beginning.

OLD SPACE

- Government-led
- Space agencies
- Slow development
- High costs
- No competition



NEW SPACE

- Commercial
- Private companies
- Fast-paced Innovations
- Lower costs
- High competition



From slow development...

...to fast-paced innovations



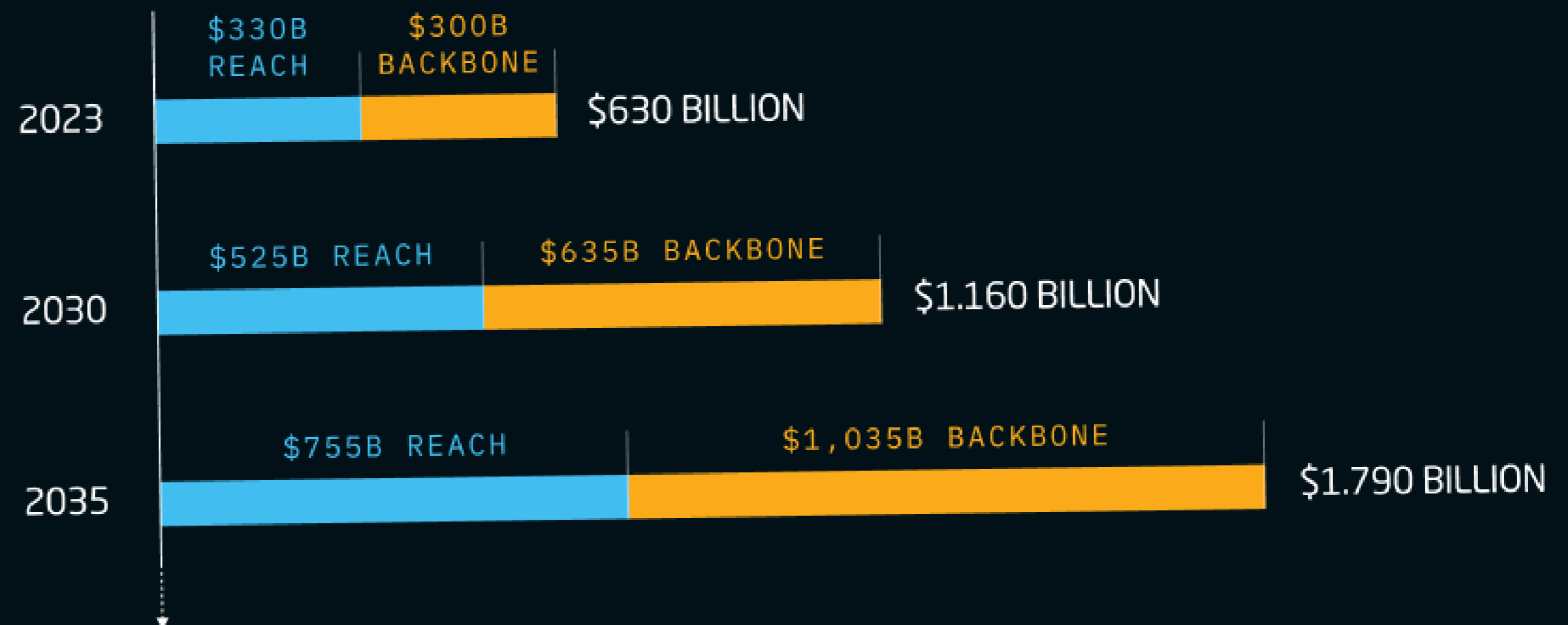
Images of the retired space shuttle. (Credit: Unsplash F. Wallace & J. Wei)

Private companies showcasing innovations at the Space Symposium 2025. (Credit: Images by Innovation Centre DK)

//INTRO TO THE SPACE ECONOMY

Commercial space
is taking off.
Don't miss the
launch window.

GLOBAL SPACE ECONOMY



The global space economy is expected to triple during the next 10 years (McKinsey 2024)

//INDUSTRIES

Almost every industry on earth will benefit from space

- ▶ Agriculture
- ▶ AI, Big data & cyber security
- ▶ Climate, environment & biodiversity
- ▶ Defense & Security
- ▶ Drones & Robotics
- ▶ Energy
- ▶ Finance & Insurance
- ▶ Health & Lifesciences
- ▶ Infrastructure & Urban planning
- ▶ Manufacturing & Materials
- ▶ Maritime & Fisheries
- ▶ ... and more



//03

Introduction to Space Ventures DK

A large Ariane 5 rocket is shown in the process of launching from Earth. The rocket is white with blue and red accents. It has three boosters attached to its sides. The ESA logo and the Arianespace logo are visible on the main body of the rocket. The rocket is ascending from a desert landscape, with a blue sky and a thin layer of clouds above. The background shows the Earth's surface with a mix of brown and green terrain.

SPACE VENTURES DK

OUR MISSION:

We support Danish startups and companies on their ventures into the space sector.

SPACE VENTURES 

A unique public/private partnership to strengthen the commercial space industry in Denmark

//PUBLIC PARTNERS



//PRIVATE PARTNERS

DANISH INDUSTRY
FOUNDATION

//ACADEMIA



Powered by ESA, we help the Danish industry to explore space-related business opportunities. It's free.



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CENTRE

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//FOR STARTUPS

ESA BIC Denmark

Helping startups build a strong business from using satellite data or delivering technology for the space sector.

- ✓ €80K in non-equity funding
- ✓ Mentorship
- ✓ Access to ESA's network



TECHNOLOGY
BROKER

Denmark

//FOR COMPANIES

ESA Tech Broker

Supporting businesses to innovate space-based products or transfer technology to the space sector.

- ✓ Advice on space opportunities
- ✓ Navigate funding calls
- ✓ Help with funding proposals

//POLITICAL PRIORITY

Our activities are part of the national **Space Strategy**

- We are actively working with the Danish Agency for Higher Education & Science's Space Division to support Denmark's national space strategy.

[Link to strategy](#)

 **Danish Agency for Higher Education and Science**



LIFT OFF YOUR BUSINESS

We help Danish start-ups and companies from various industries venture into the booming commercial space sector. Get free consulting, technical advice and support on your funding applications.

INCUBATION FOR START-UPS



CONSULTING FOR COMPANIES



// INDUSTRIES

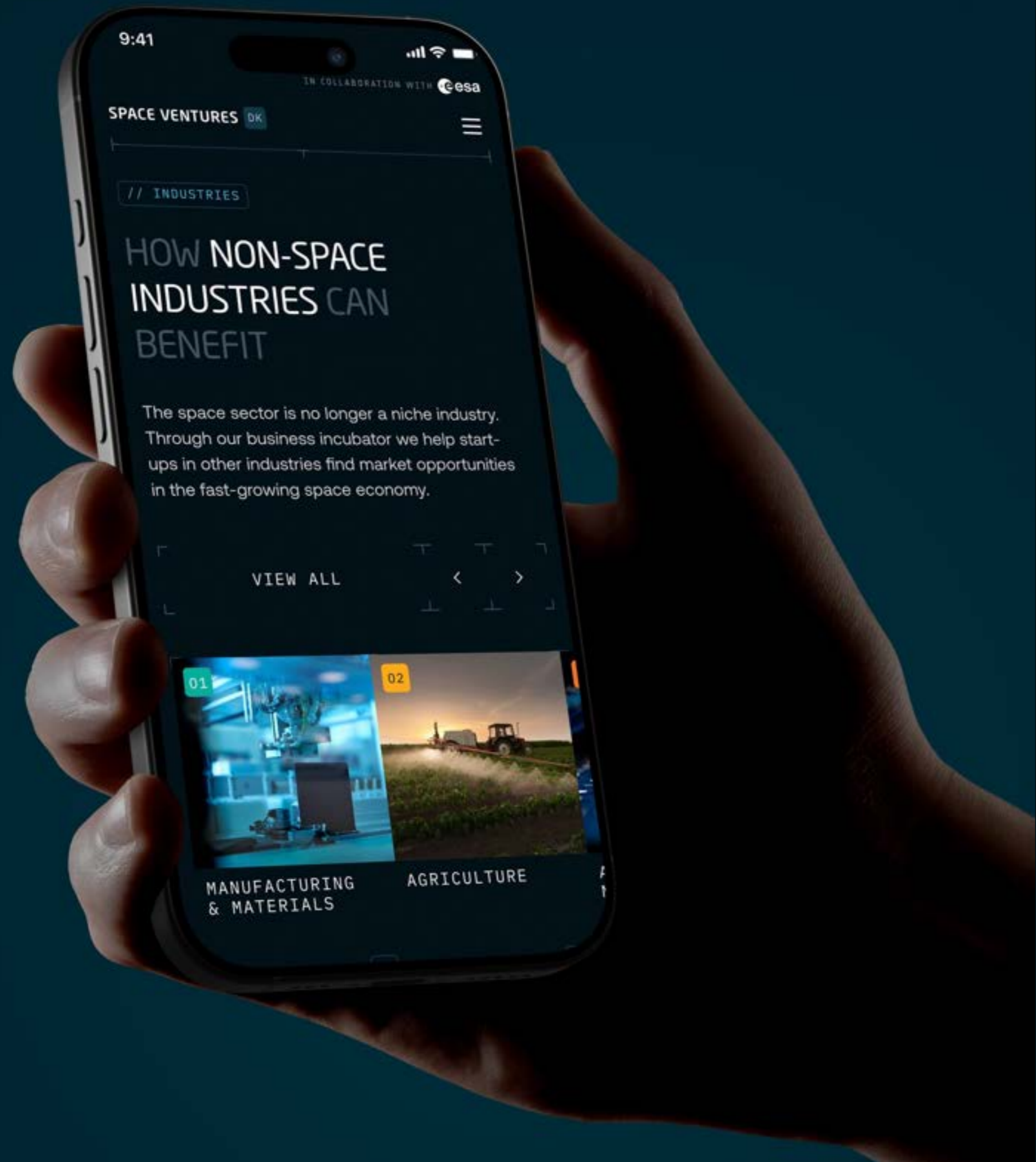
HOW NON-SPACE INDUSTRIES CAN BENEFIT






//EVENTS & CONFERENCES

In addition, we participate in Nordic and international conferences to raise awareness of business opportunities in the space economy and host events to strengthen the space ecosystem





● ANIMATION

		
<p>AGRICULTURE</p> <p>PerPlant Uses Space Technology to Make Precision Agriculture Accessible to All Farmers</p> <p>OCT 2, 2025</p> <p>CASE STUDY</p>	<p>INFRASTRUCTURE</p> <p>InnoPilot Leverages Space Technology to Keep Critical Infrastructure Safe and Connected</p> <p>SEP 27, 2025</p> <p>CASE STUDY</p>	<p>AI & BIG DATA</p> <p>Using Satellite Smarter Solutions in Agriculture</p> <p>SEP 13, 2025</p>



BUSINESS
INCUBATION
CENTRE

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//04

Introduction to the ESA Business Incubation Centre

Image Credit: NASA, ESA

//WHAT IS ESA BIC?

An incubation programme for space-related startups

- Helping start-ups explore the rising opportunities in the fast-growing space economy.
- We support startups that deliver technology for space...
- ...or use data from space to develop new solutions for Earth.

All startups get
€80K

In equity-free
funding



//WHAT YOU GET



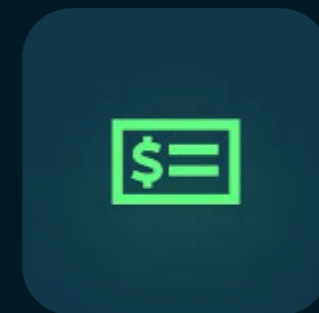
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Incubation

1-2 years in an ESA hub of your choice



€80.000

In equity-free funding



Business Development

A dedicated business developer for your startup



Training

Academy for Space founders, workshops & more



Technical Expertise

Support from leading experts at ESA



ESA Partnerships

Access to ESA's network and matchmaking.



International Events

Participate in international space conferences



Other support

Funding and IPR support



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The ESA BIC centres are part of a Europe-wide network to nurture and grow space businesses

// ESA BIC STATISTICS

22

MEMBER COUNTRIES

100+

CENTRES ACROSS EU

2000+

STARTUPS SUPPORTED

6

RANKED NR 6

FINANCIAL TIMES

ON THE FT 2026 TOP 10 LIST OF THE MOST INFLUENTIAL STARTUP NETWORKS IN THE EU



In Denmark, we have hubs at four universities connecting us to the important deep tech clusters across the country.

// PARTNER UNIVERSITIES



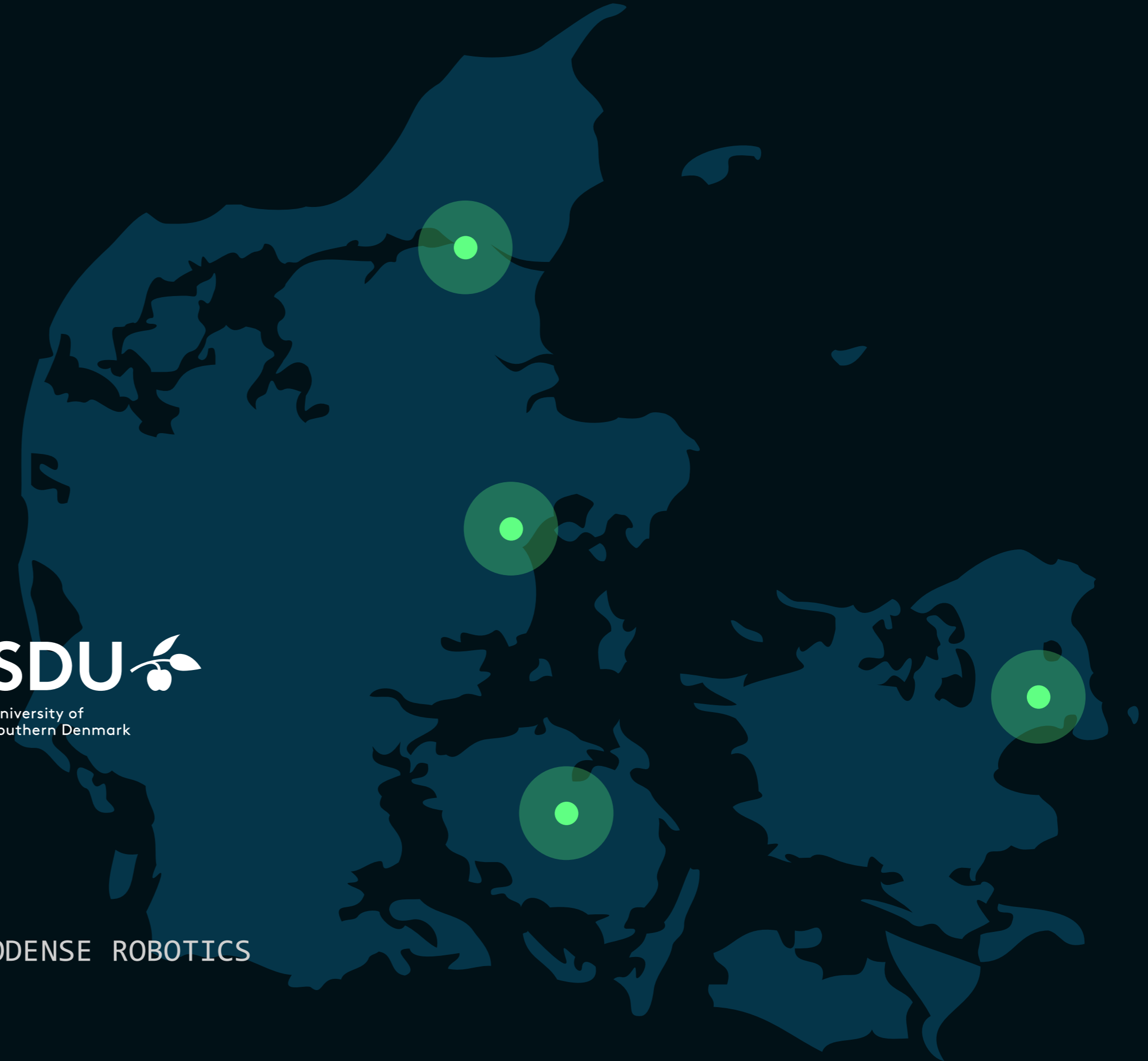
// CLUSTERS

DTU SKYLAB
THE SCIENCE PARK

THE KITCHEN

SPACE CONNECT NORTH

ODENSE ROBOTICS



Get to know us by the numbers:

Source: ESA BIC reporting 2025/2026

6

YEARS OF ESA
BIC IN DENMARK
(ESTABLISHED 2020)

60

STARTUPS ACCEPTED
INTO INCUBATION

93%

OF STARTUPS HAVE A
SUCCESSFUL EXIT

€95M

GENERATED IN
EXTERNAL FUNDING

//WHO CAN APPLY?

We accept startups with a space connection

- Start-ups < 5 years old with a valid space connection
- Headquartered in Denmark.
- Minimum 51% self-owned
- Registered with a Danish CVR or in the process of registering



//WHAT IS A SPACE CONNECTION?



Upstream

Startups developing new technologies, systems, or components specifically designed for space exploration, satellite systems, launch vehicles, or human space missions.



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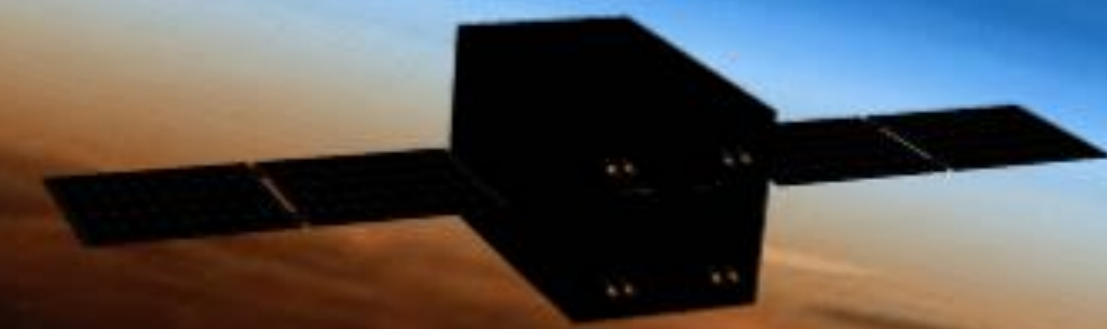
Downstream

Startups using space-derived technologies such as satellite data, satellite navigation, or satellite communications to create new commercial solutions here on Earth.

//UPSTREAM STARTUP

North Propulsion: Mobility solution for micro satellites

- Chemical propulsion with green propellants
- 20x faster deployment manoeuvring
- Solution aims to solve the bottleneck with long propulsion lead times for satellites
- Dual-use applications



//UPSTREAM STARTUP

SAGA Space Architects: Designing habitats for space and extreme environments

- SAGA Space Architects is a Danish space-architecture studio focused on making future space habitats.
- They design habitats, lighting, and other systems for space and extreme environments, and their work includes projects for ESA, NASA, and Starlab, as well as a live payload aboard the International Space Station.



SAGA



Image credit: SAGA Architects

//DOWNSTREAM STARTUP

Airplate: Using satellite data to detect unauthorised drones

- Realtime drone tracking
- Securing airspace over critical infrastructure
- Combining GNSS for drone positioning, EU Remote ID legislation for local GNSS broadcasts, and radio technology to capture non-Remote ID drones' GNSS positions.



//SPIN-IN

Danish Graphene: Adhesive material solving space industry challenges

- Electrically conductive adhesive
- Useful in satellites for thermal management
- Originally built for terrestrial industries
- By proving that the material could withstand the harsh conditions of space, it gained even more traction in non-space markets.



//SPIN-OFF

TESS Space: Navigation solution for uncrewed vehicles in extreme environments

- Advanced navigation algorithms and systems for unmanned vehicles
- Started as research for GPS-denied and extreme environments in space like lunar and Mars-like terrains
- Now used to power uncrewed vehicles on Earth - from border patrol in Greenland, surveillance at airports and critical infrastructure.





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IF YOU'RE INTERESTED:

Next application deadline:
Fall 2026





//THAT'S ALL FOLKS

Thank You for Listening



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Denmark

Let's Connect

//MY LINKEDIN CODE



Kathrine Elvira Boysen

Head of External Relations



Kathrineelvira



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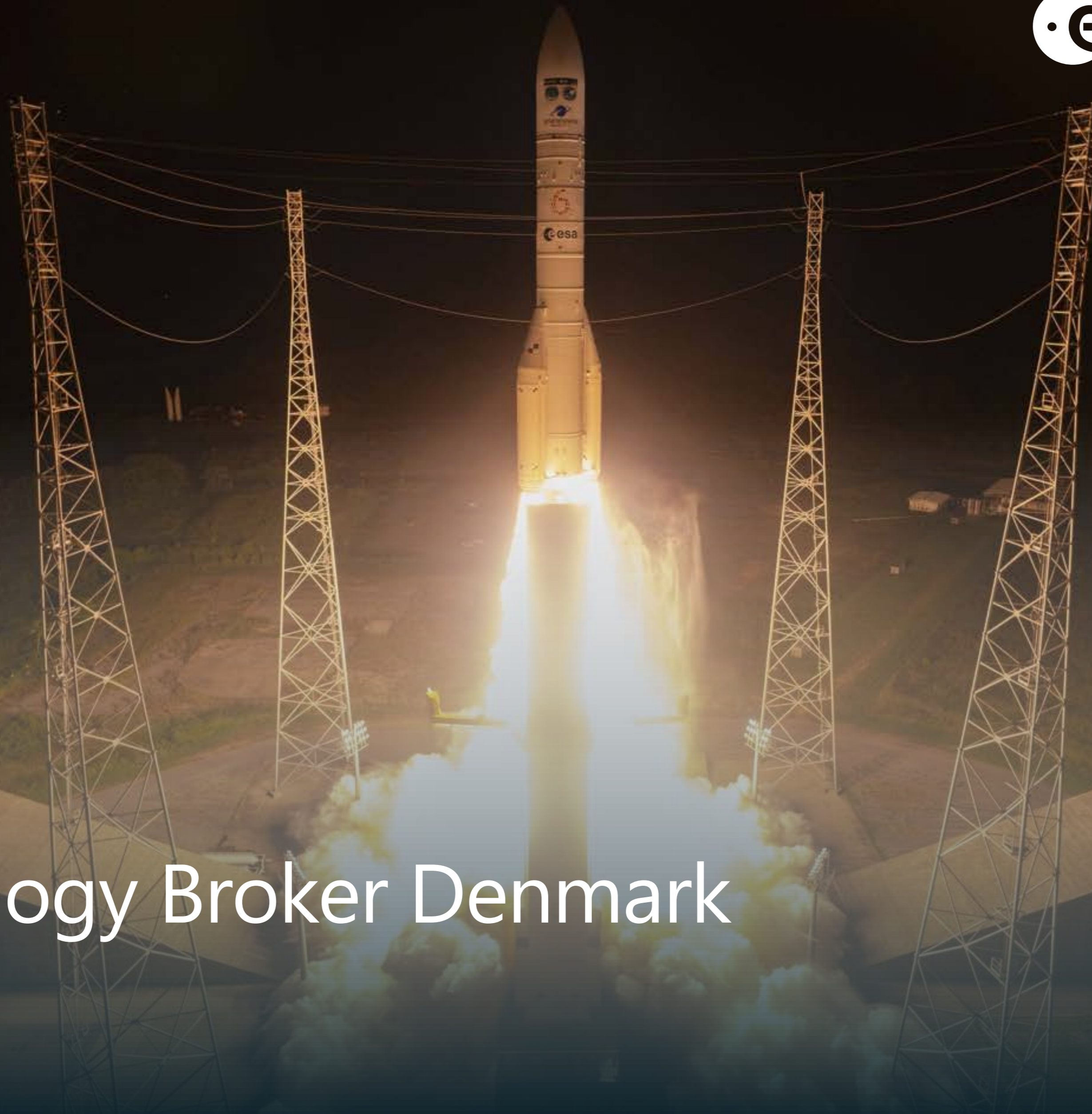


kelbo@esabic.dk



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//SPEAKER

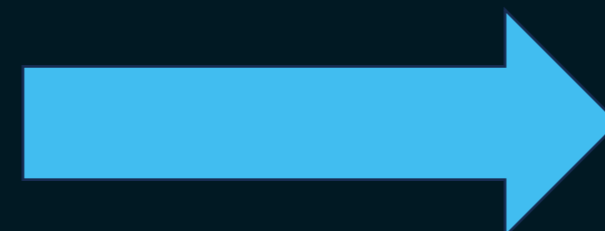


POUL ZIMMERMANN NIELSEN
Head of ESA Technology Broker
Denmark

ESA Technology Broker Denmark

//MISSION

ESA Technology Broker Denmark (ESA TB DK) helps Danish companies **succeed with space**



//MISSION

ESA Technology Broker Denmark (ESA TB DK) helps Danish companies **succeed with space**

- SME's and larger companies
- 1:1 Dialogue / matchmaking / co-funding

Our mission : forster results

- Strengthen Danish companies
- Impact oriented – objective is growth



SPACE AND SATELLITES CAN OPEN THIS OPPORTUNITY

//SPACE OPPORTUNITIES



TECHNOLOGY
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We work with **companies from all industries**
for leveraging space technology

UPSTREAM



FROM EARTH TO SPACE

DOWNSTREAM

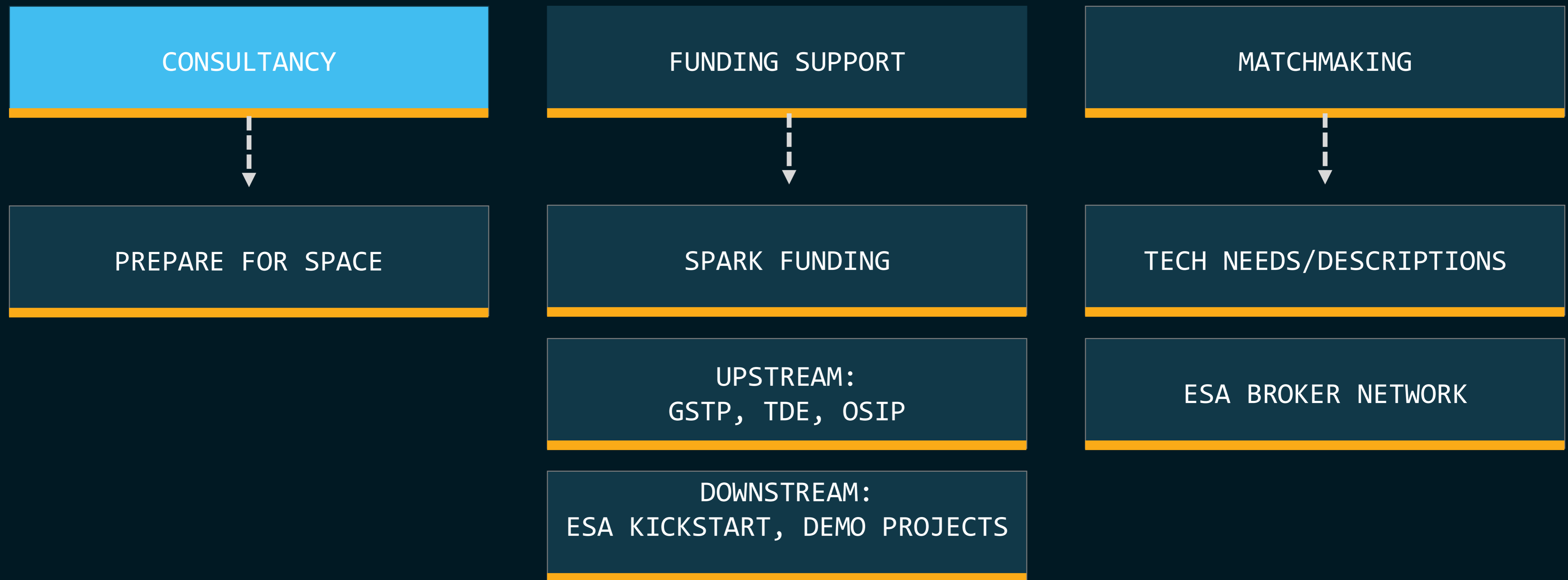


FROM SPACE TO EARTH

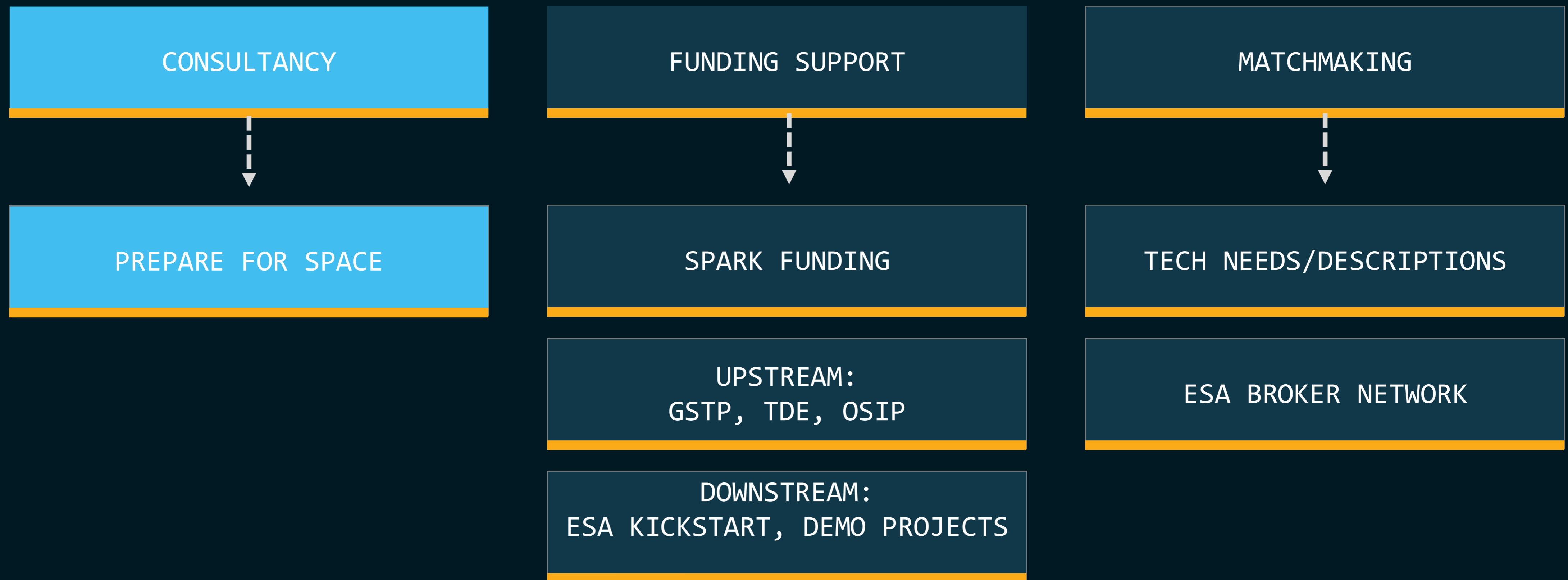
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ESA TB DK : Free services are sponsored by ESA



//PREPARE FOR SPACE

Prepare for Space : Free consultancy to explore business opportunities in the space economy

- Space opportunities specific for each company
- Workshops, meetings, how to work with ESA
- **Upstream** : best way to enter the space economy
- **Downstream** : space assets relevant for each company
- Bidding for ESA funded development contracts
- Match-making for business partners and customers

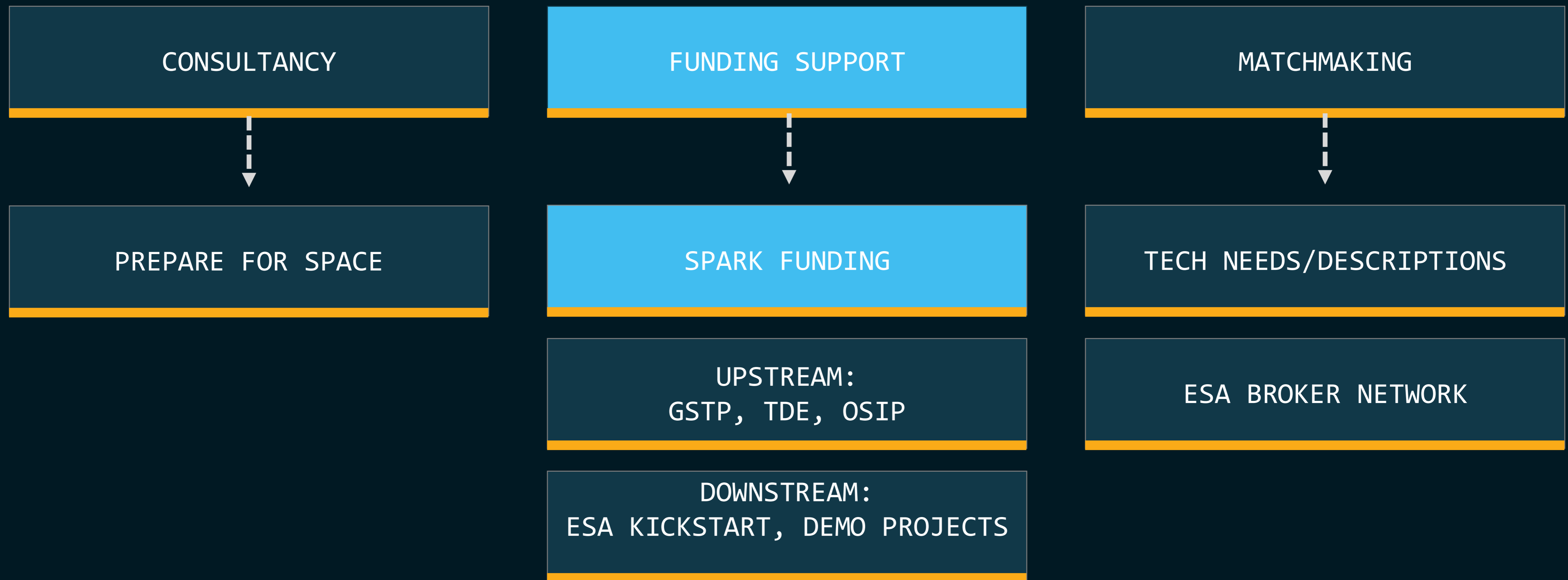


Get
40h
of free consultancy

ESA TB DK : Free services are sponsored by ESA



ESA TB DK : Free services are sponsored by ESA



Spark Funding : Transfer your terrestrial technology into the space sector

- SPARK funding is for Danish SMEs and larger companies with spin-in technology
- Co-funding : 80% for SMEs, 50% for large companies
- Projects duration 12-24 months
- Selection with ESA, operated by ESA TB DK
- Started 4 projects in January 2026, 2 more in 2026 Q3
- More in 2027



Apply for up to

€75K

in Spark funding

//ESA SPARK FUNDING

NORBLIS: Mid-infrared Optical Coherence Tomography (MIR-OCT) for better satellite components

- Non-destructive, Real-time, Non-contact, Ultra high-resolution industrial inspection
- For space, spot defects in ceramics electronics production (IC) during production
- ESA Spark project with Austrian Lithoz for German Aircode and Italian RFMicroTech
- Add Prepare for Space to move on

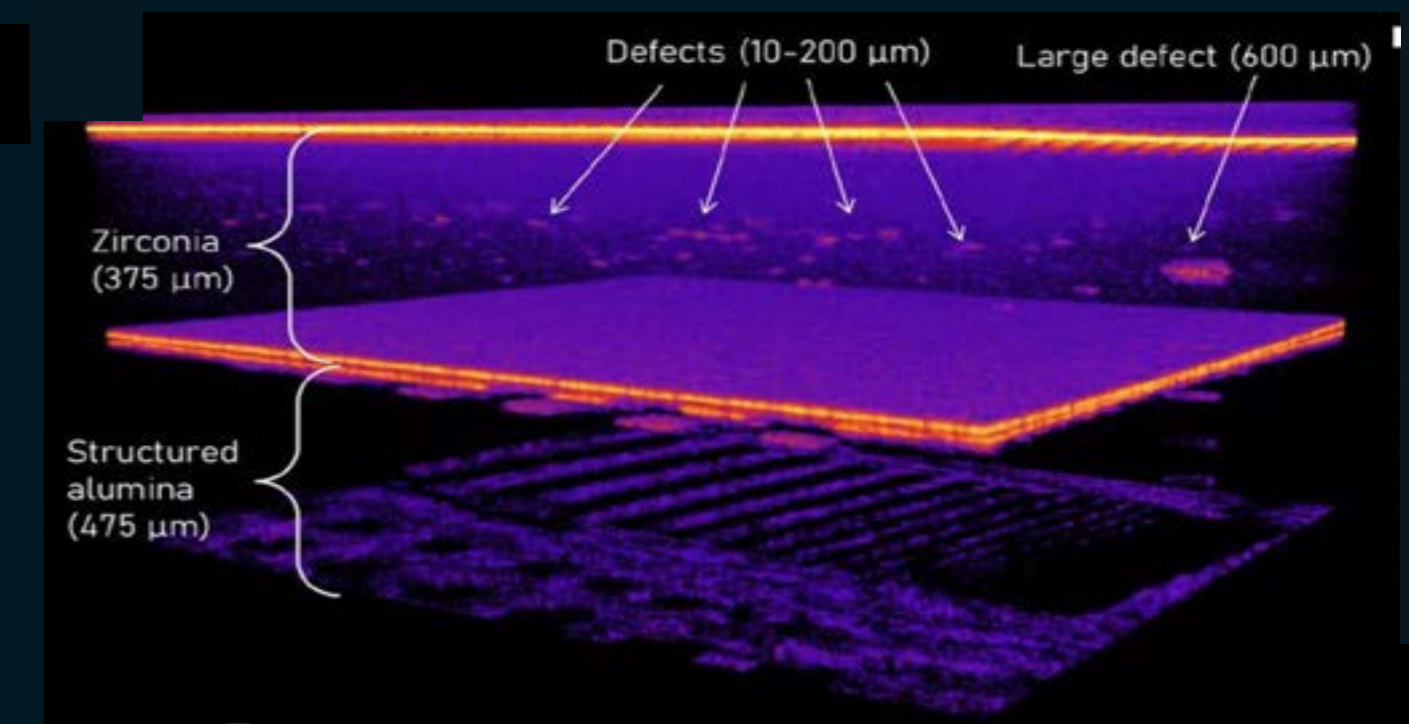
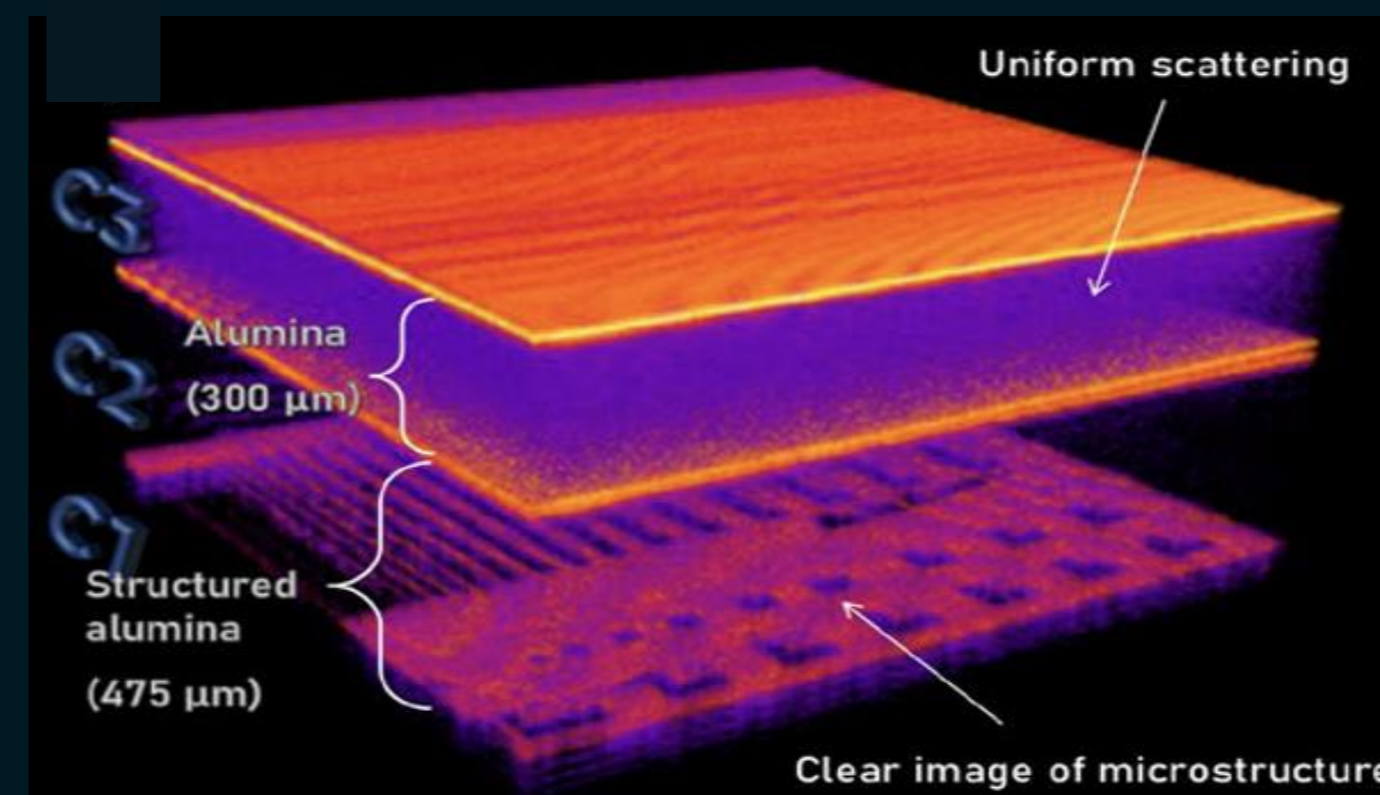
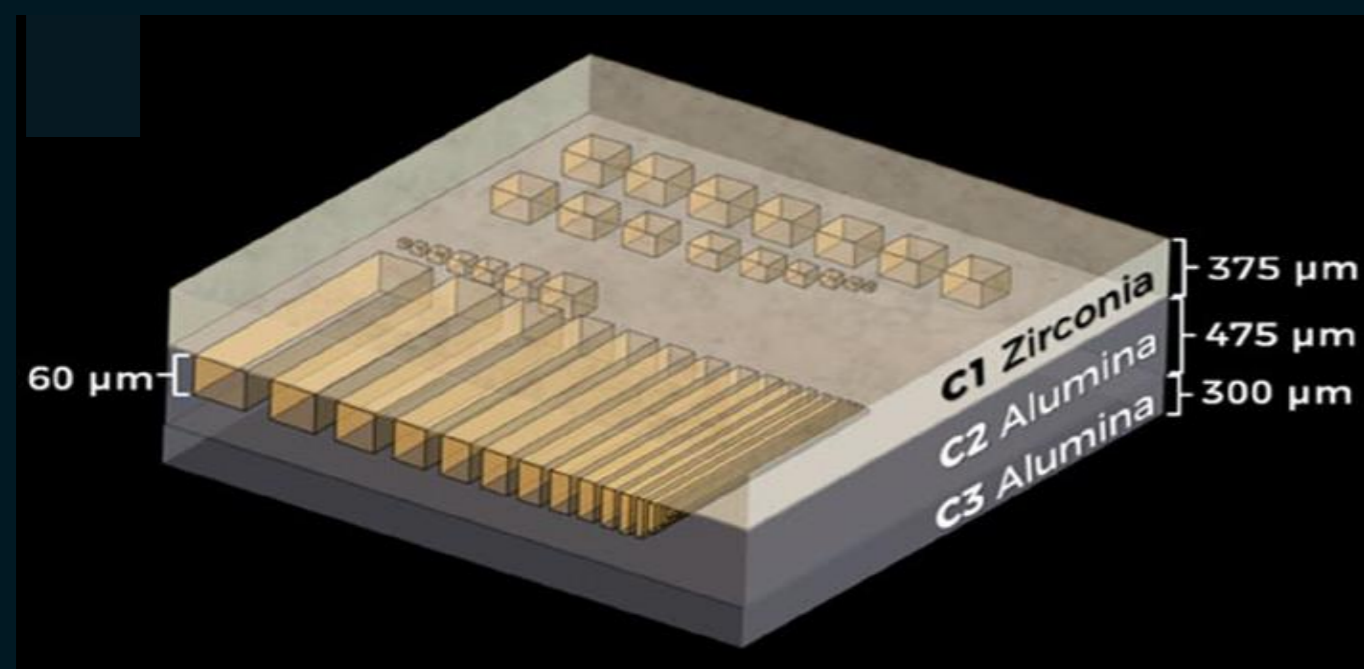
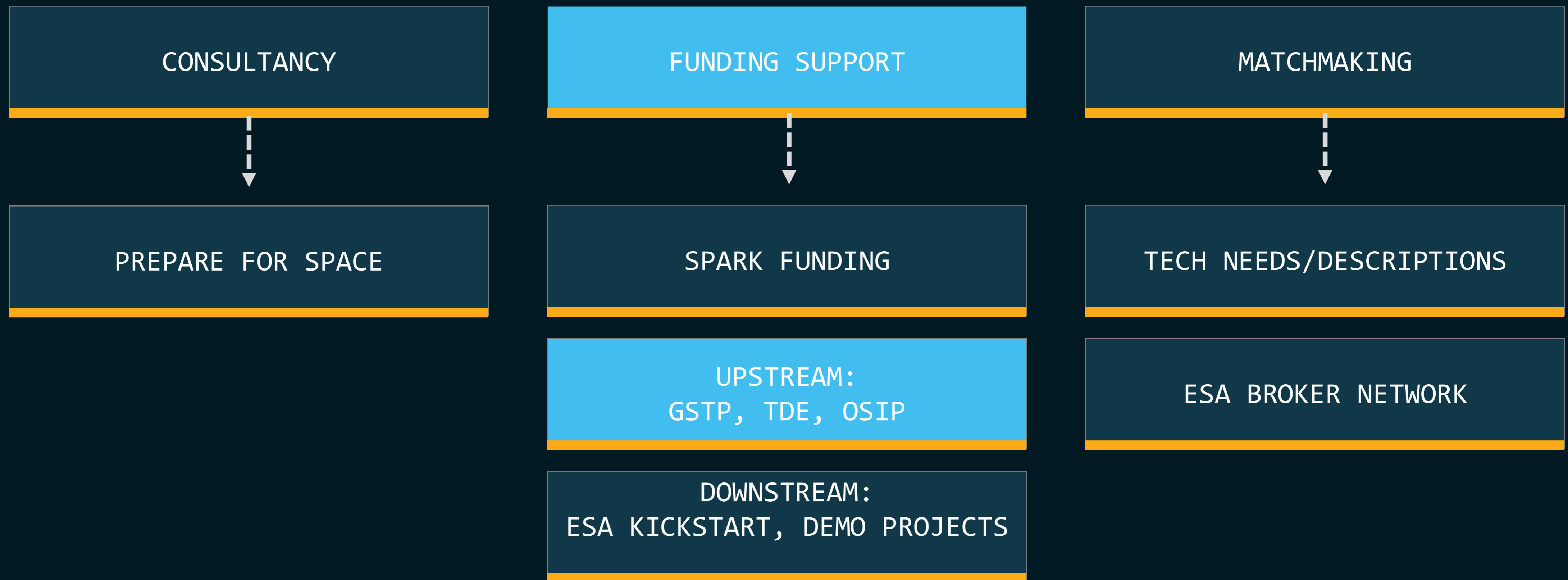


Image credit: NORBLIS

ESA TB DK : Free services are sponsored by ESA



// ESA GSTP AND OTHER UPSTREAM FUNDING

Become a technology supplier to ESA

- General Support Technology Programme (GSTP)
- +200 GSTP technology priorities (upstream) listed by ESA
- +100 Technology Development Element (TDE) requests
- Submit OSIP ideas to ESA



Apply for up to around
€500k
in TDE funding

Apply for up to around
€1M
in GSTP funding

//GSTP : TRANSFER FROM NON-SPACE TO SPACE

AIRY Automotive: Innovative 3D printing for satellite components

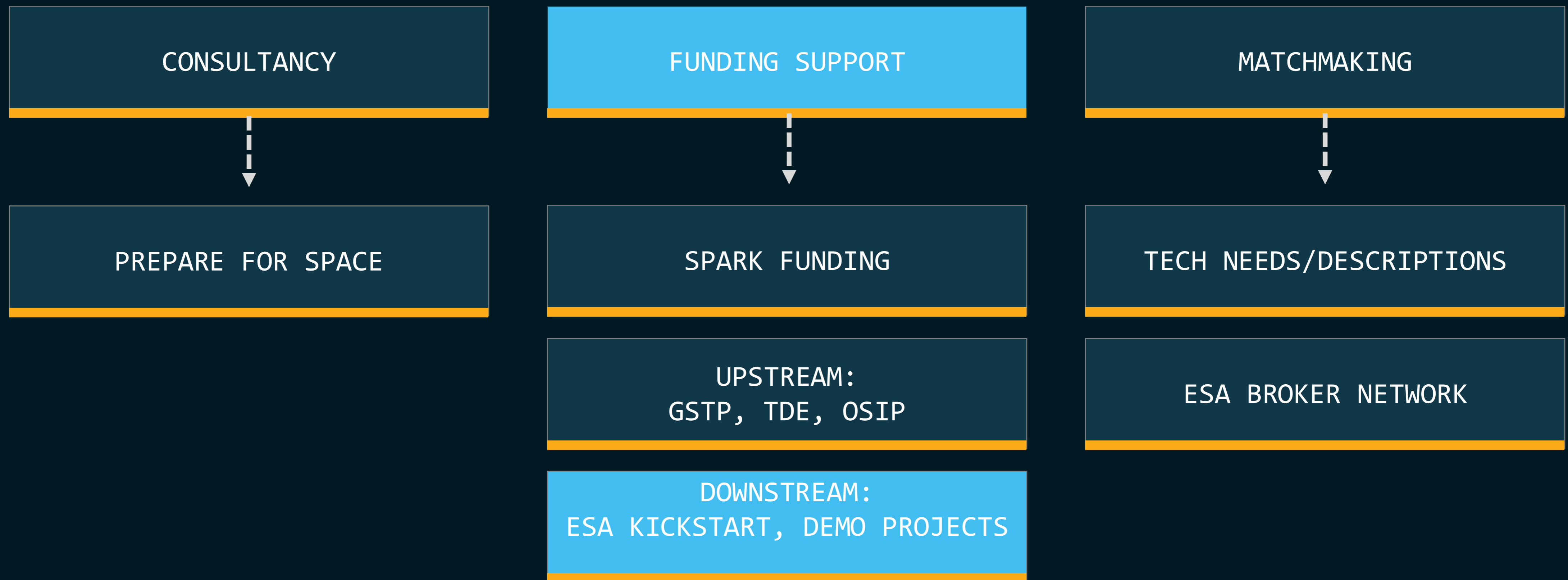
- Stronger, lightweight composite, at lower costs
- Auto customers:
Ferrari, Porsche, Stellantis and Hyundai
- Now under **ESA GSTP** development
- Add **Prepare for Space** to move on



AIRY FIBER DRIVE 3D PRINTER

Image credit: Airy

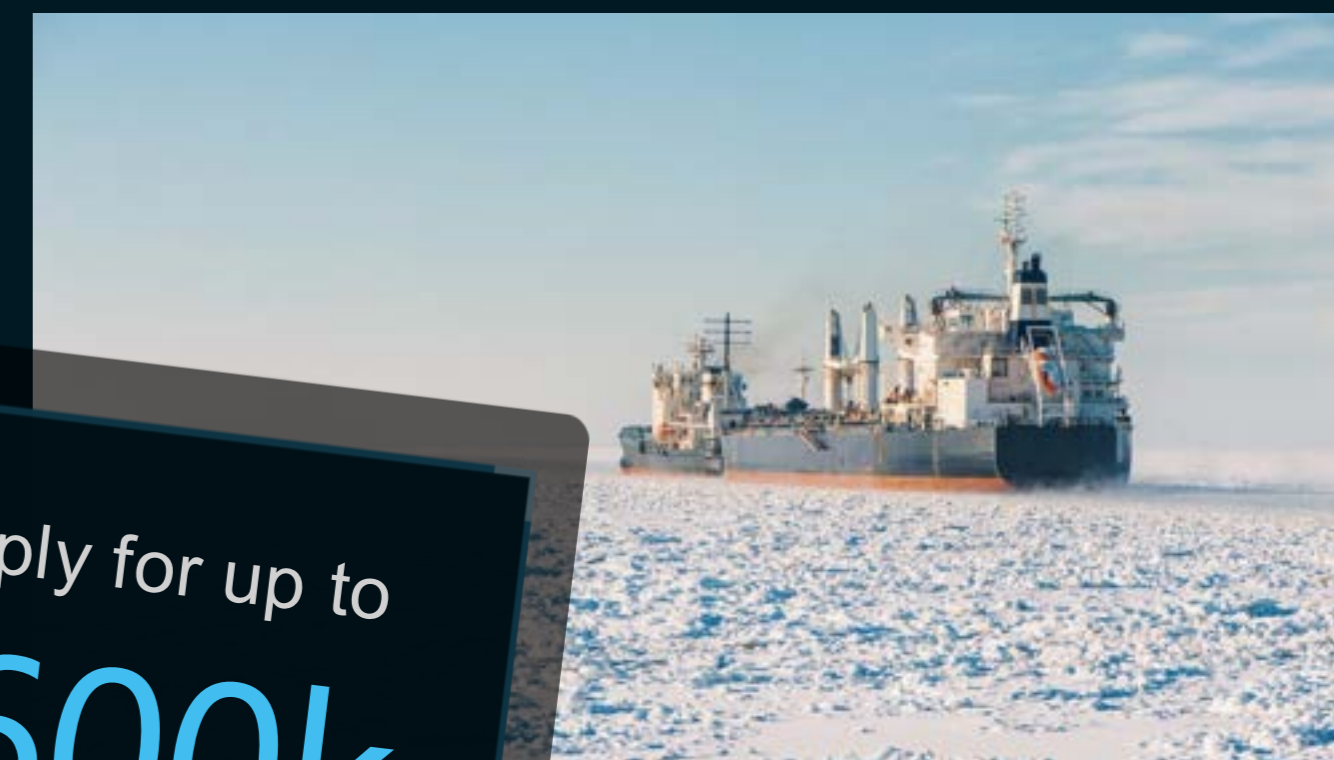
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// ESA DOWNSTREAM SUPPORT LIKE BASS FUNDING

Explore new **business ideas** using satellite data & space technology to develop for **non-space sectors**

- Downstream applications for non-space sectors
- **Kick-start Feasibility Studies** : €75k – 6 months
- **Demonstration (or Pilot) Projects** : €600k – 12-24 months
- For SME 75%, for larger companies 50%



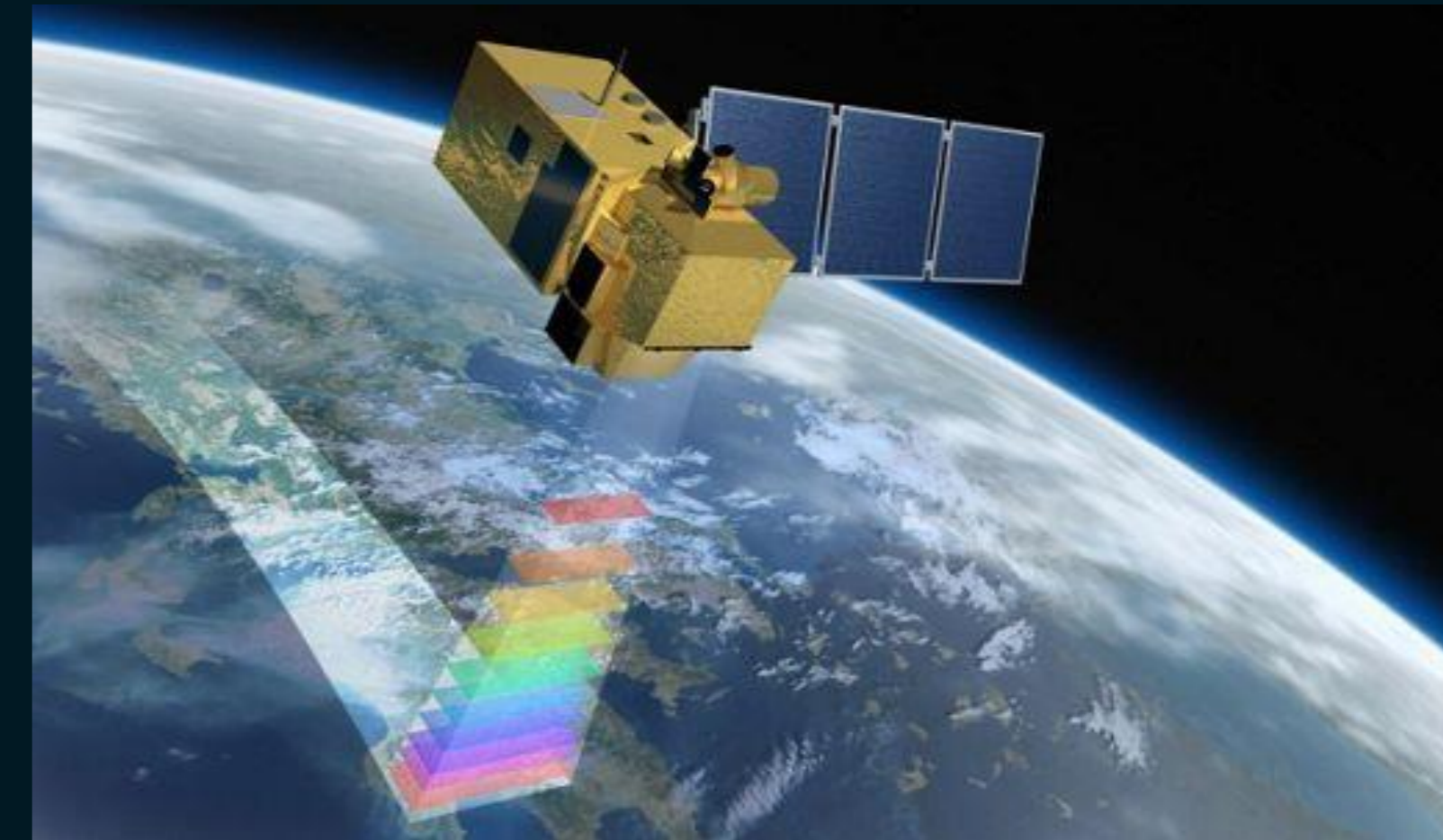
Apply for
€75k
in BASS Kick-start
Project funding

Apply for up to
€600k
in BASS
Demonstration
Project funding

//KICKSTART + DEMO : SMART FARMING WITH SATELLITE DATA

PerPlant: Satellite data for precision sustainable farming

- Satellite EO data + on-tractor Perplant sensors + AI => farmers understand exactly what's happening in their fields as they drive
- Each plant is read from tractor, treatment deciding in real-time
- **ESA BASS Kickstart** project added satellite data to solution
- Follow-on **ESA BASS Development** project in progress for the Danish Agency for Green Transition and Aquatic Environment (SGAV)



//DEMO PROJECT : SATELLITE EO DATA FOR EMERGENCY MANAGEMENT

Spaceline Labs:

Combine satellite data and stratospheric balloons for natural disasters

- 24/7 real-time tool for the Danish Emergency Management Agency (DEMA) to monitor and intervene on **forest fires** and maritime oil spills
- Demonstration Project under **ESA Civil Security Service**



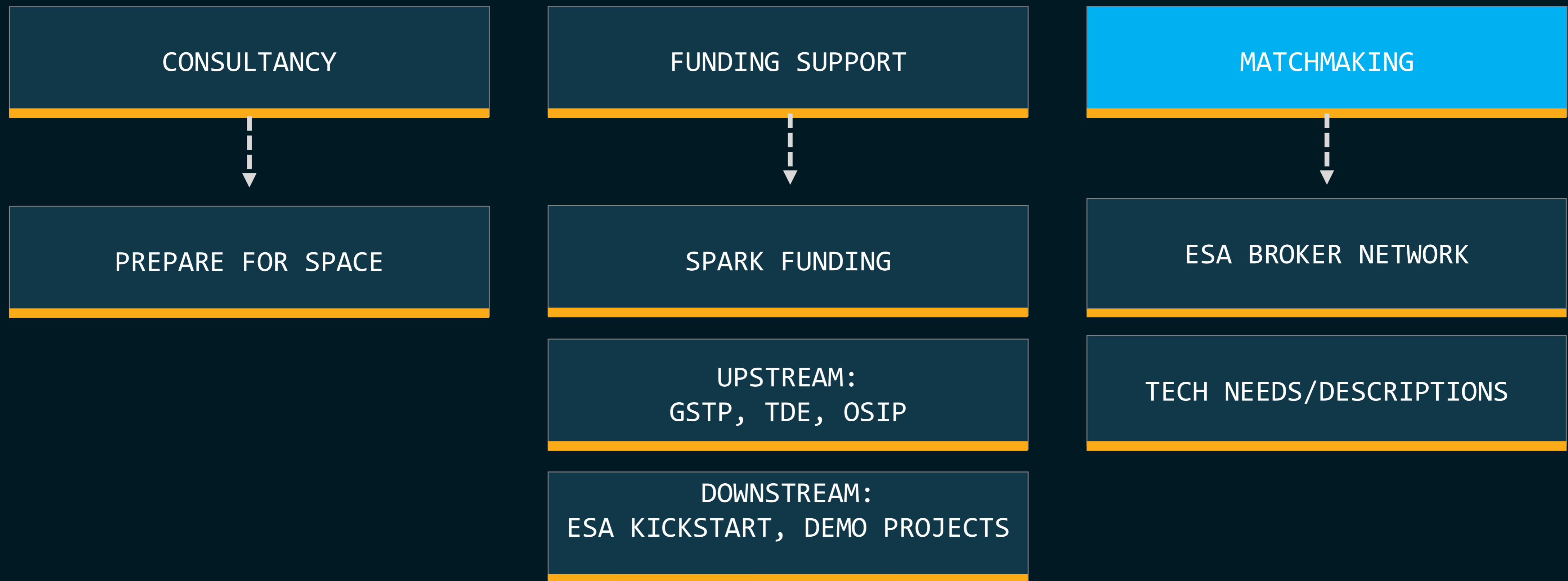
//DEMO PROJECT : SATELLITE EO DATA FOR EMERGENCY MANAGEMENT

Runiqo and ATLA.ai : Satellite and drone data for situation awareness and disaster handling

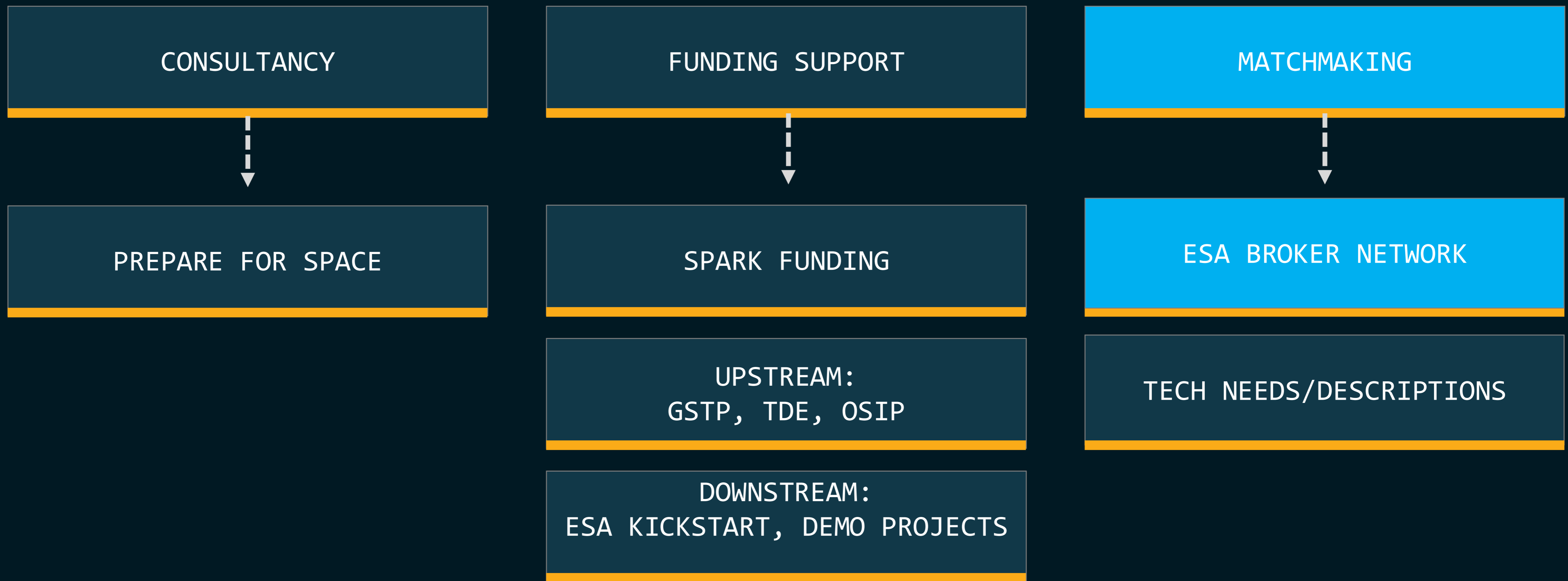
- 24/7 real-time tool for the Danish Emergency Management Agency (DEMA) to monitor and intervene on forest fires and **maritime oil spills**
- Demonstration Project under **ESA Civil Security Service**



ESA TB DK : Free services are sponsored by ESA



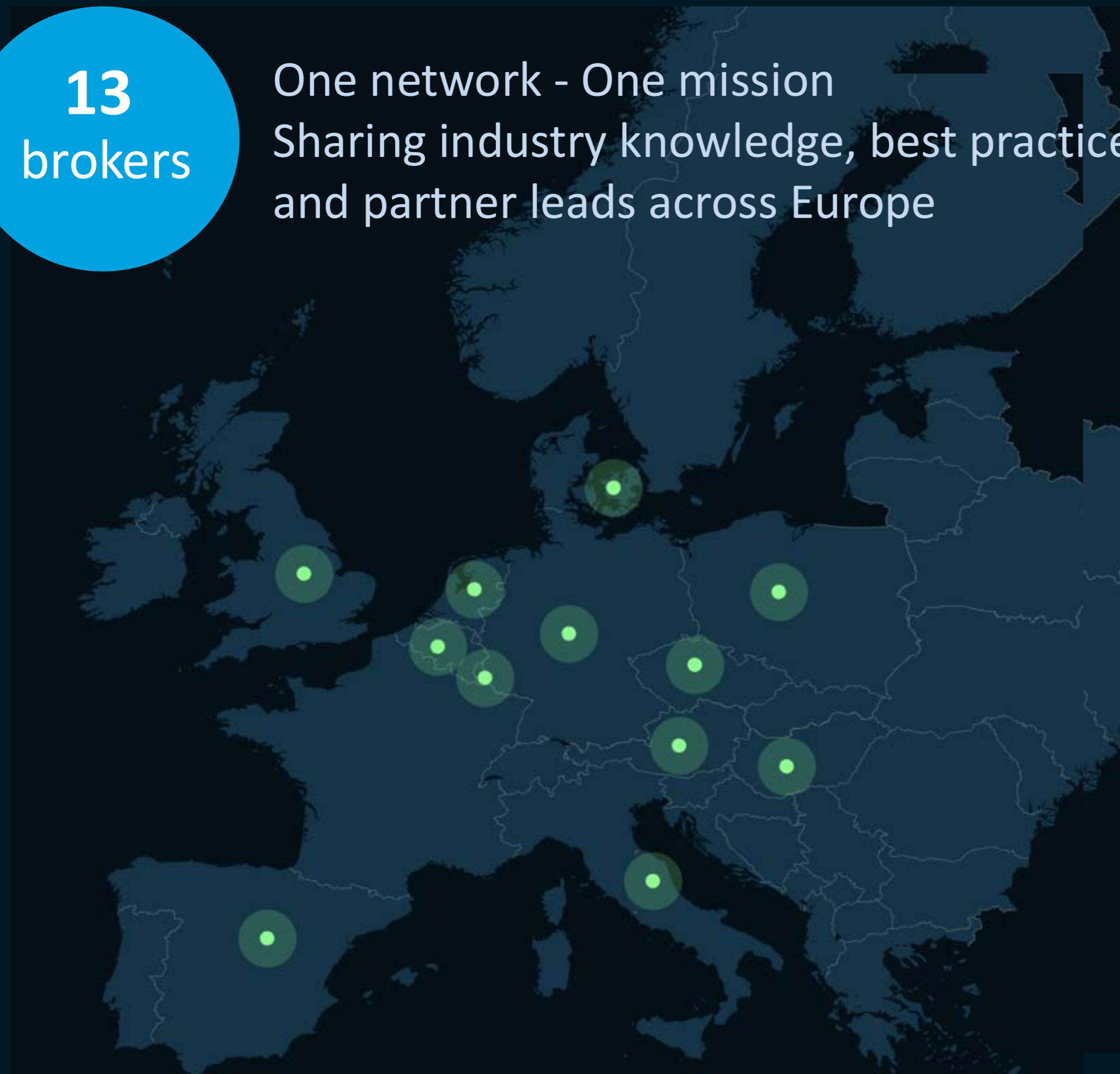
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Pan-European collaboration driving internationalisation and local impact

13
brokers

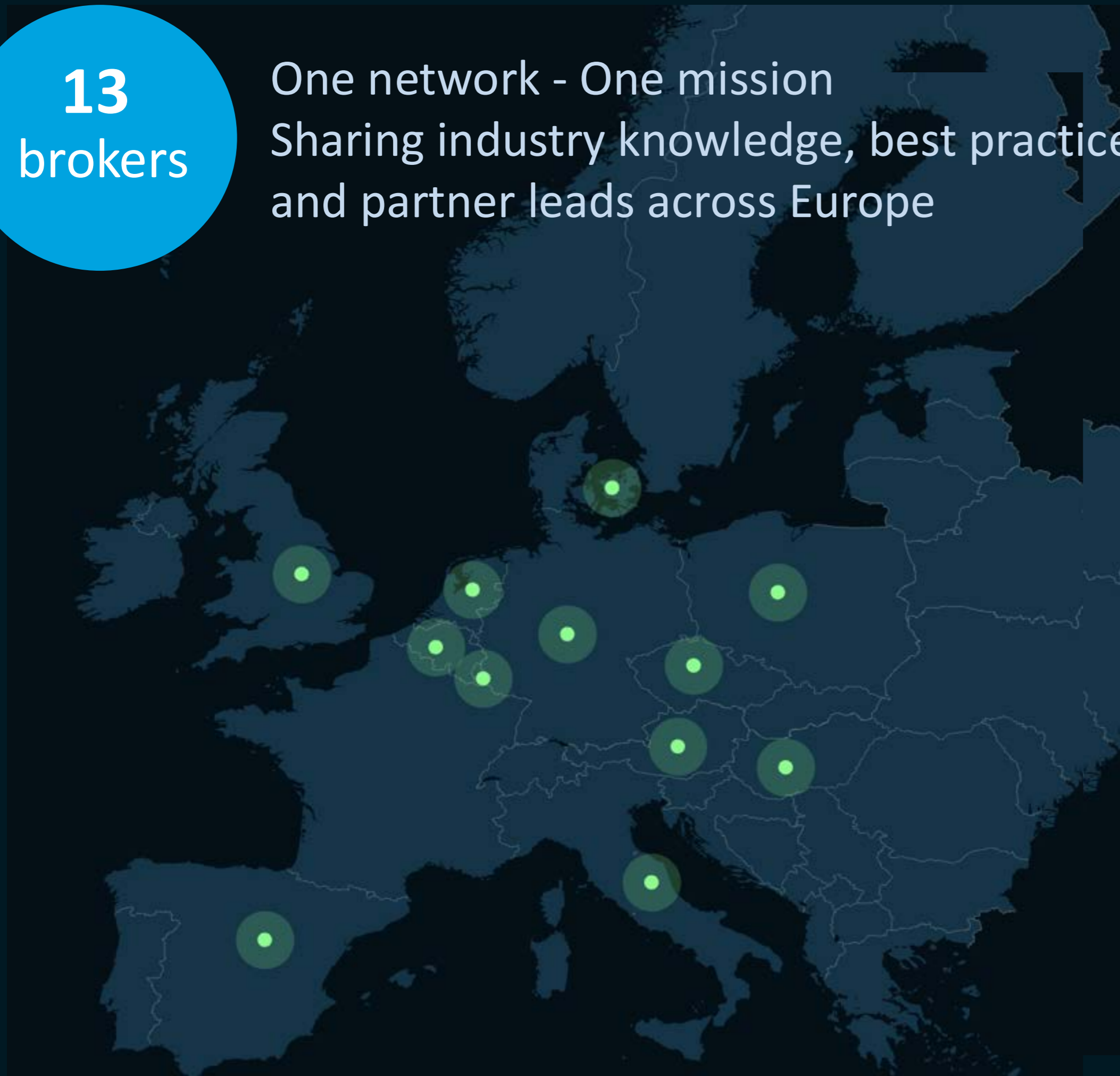
One network - One mission
Sharing industry knowledge, best practices
and partner leads across Europe



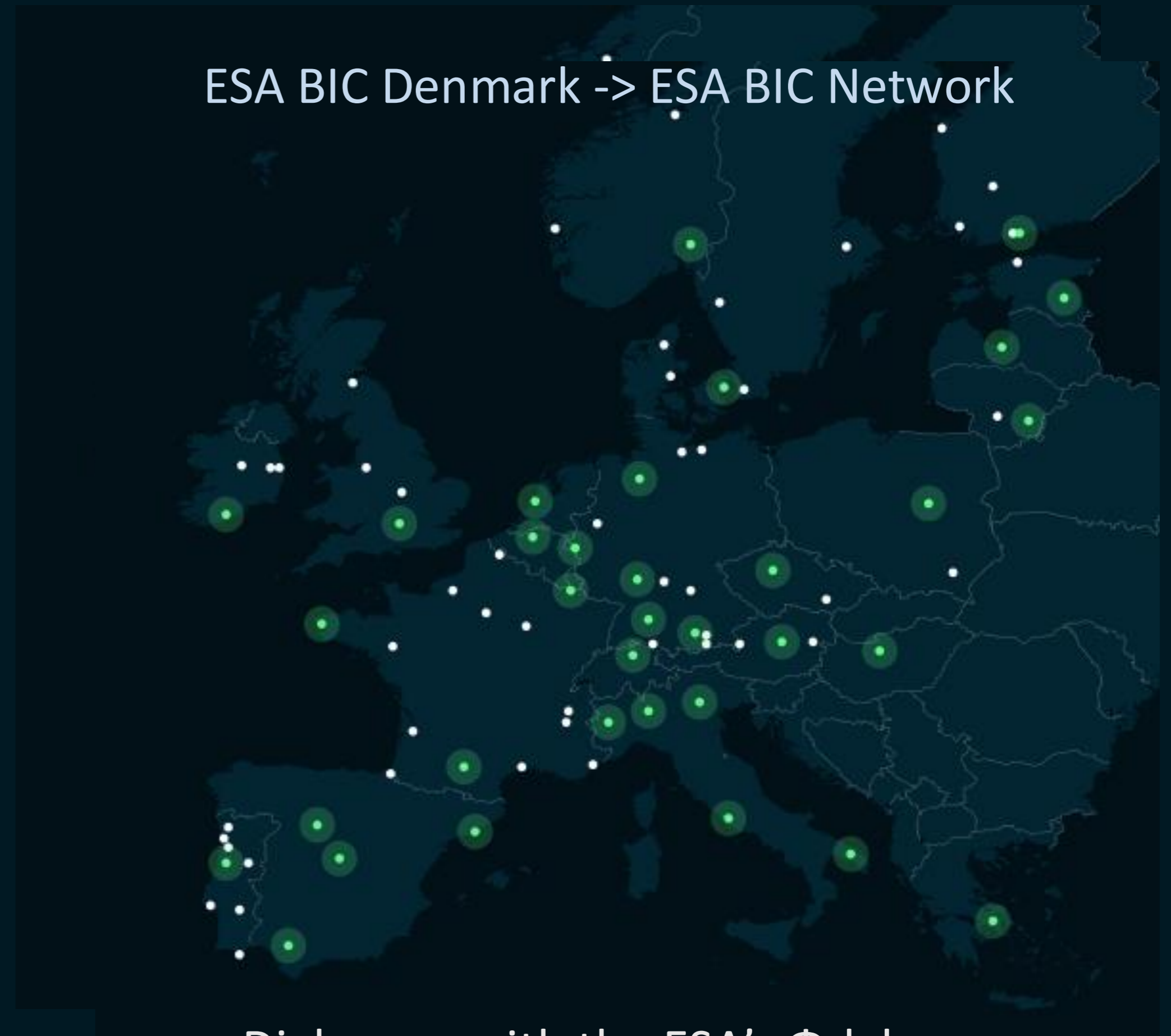
Pan-European collaboration driving internationalisation and local impact

13
brokers

One network - One mission
Sharing industry knowledge, best practices
and partner leads across Europe



ESA BIC Denmark -> ESA BIC Network



+ Dialogues with the ESA's Φ -lab

Pan-European collaboration driving internationalisation and local impact

13
brokers

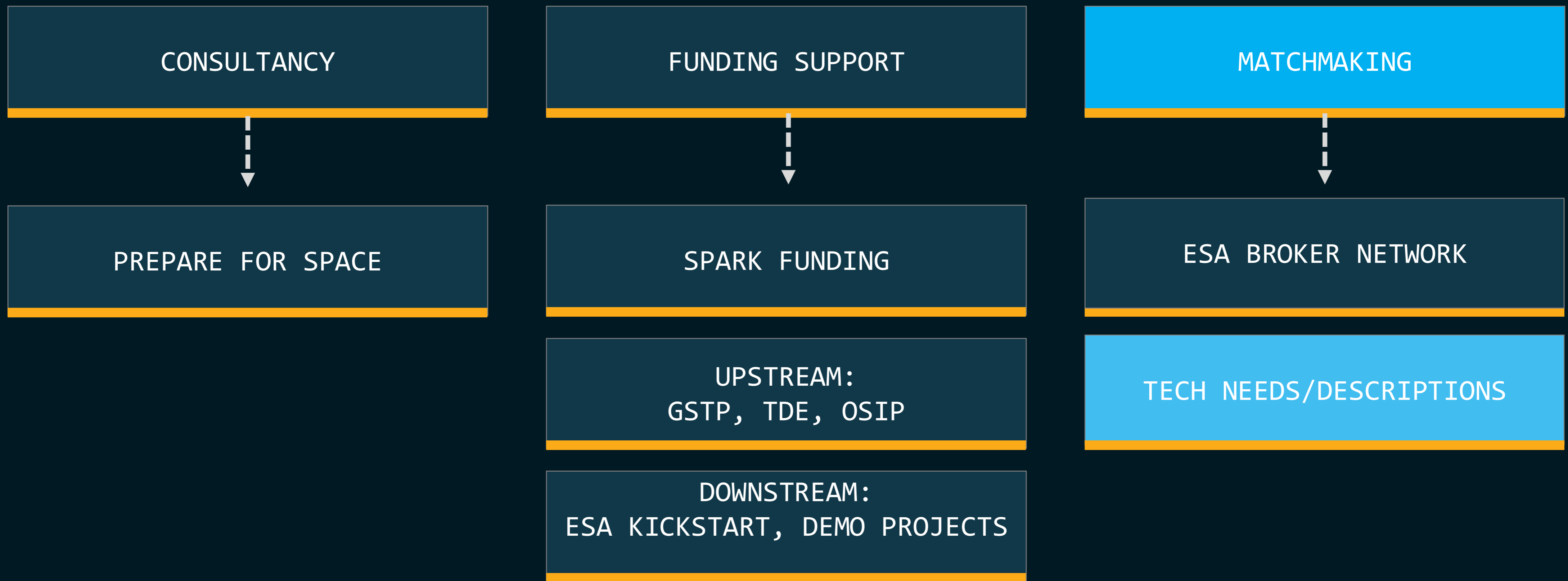
One network - One mission
Sharing industry knowledge, best practices
and partner leads across Europe



- Monthly meetings – yearly get-together(s)
- Broker-2-Broker collaboration
- Joint matchmaking events

- Foster cross-border consortia for bids (to ESA)

ESA TB DK : Free services are sponsored by ESA



Technology Exchange

- Technology Descriptions
- Technology Needs
- Exchange across ESA broker network
- Facilitates consortia building

ESA Template for Technology Descriptions
ESA Reference: AD-TT-5

Technology Description Template
Case Reference Number: [XXX]

Title
Mandatory
1-255 characters
The title of the offer should be clear and meaningful for persons who are not experts. Readers should easily be able to find out if the Technology Offer is interesting for them.

Keywords
Mandatory
1-255 characters
Please fill in keywords describing the technology, in terms of function performed (see list at the end of this form) and technology domain.

Functions performed:

Non-Space Application Domains:

Space Application Domains:

Entity Profile (Technology Provider)

Entity
City
Country
Street
Postal Code
Website
Type of entity
Mandatory
Select 1 option only

Small or Medium enterprise
 Large national enterprise
 University
 Other

Multinational enterprise
 Inventor
 R&D institution

Contact Name
Contact Email
Contact Phone

Technology Offer

Template Reference	AD-TT-5	Template for Technology Description
Date of Issue	12-10-2023	
Version	1.0	
Status	FINAL	

Page 1 of 7

ESA Template for Technology Needs
ESA Reference: AD-TT-4

Technology Needs Template
Case Reference Number: [XXX]

Title
<255 characters
A clear title that conveys the nature of the technology sought

Summary of the Technology Need
<500 characters
Provide a short summary of the request

Application domain
<70 characters
Write the application domain for the technology you are looking for – See lists of applications at the end of this form

Background and problem to be solved
<4000 characters
*In what type of product would the technology be used? For what application?
- What is current use case scenario, incl. product & technology currently used?
- What is problematic about it?
- What are the requirements that cannot be achieved by products currently available off-the-shelf?
- What is the time frame for making this new solution operationally available? (This will have an impact on the maturity/TRL of the technologies)*

Requirements
<4000 characters
*What does the technology need to do (Functional requirements)?
- How well does it need to do it (Performance requirements)?
- What are the cost requirements (e.g. maximum acceptable cost)?
- Are there specific dimensions requirements (size, shape, weight, etc.)?
- Does the required technology need to comply with standards or be certified?*

Entity Profile

Entity
City
Country
Street
Postal Code
Website
Type of entity
Mandatory
Select 1 option only

Small or Medium enterprise
 Large national enterprise
 University
 Other

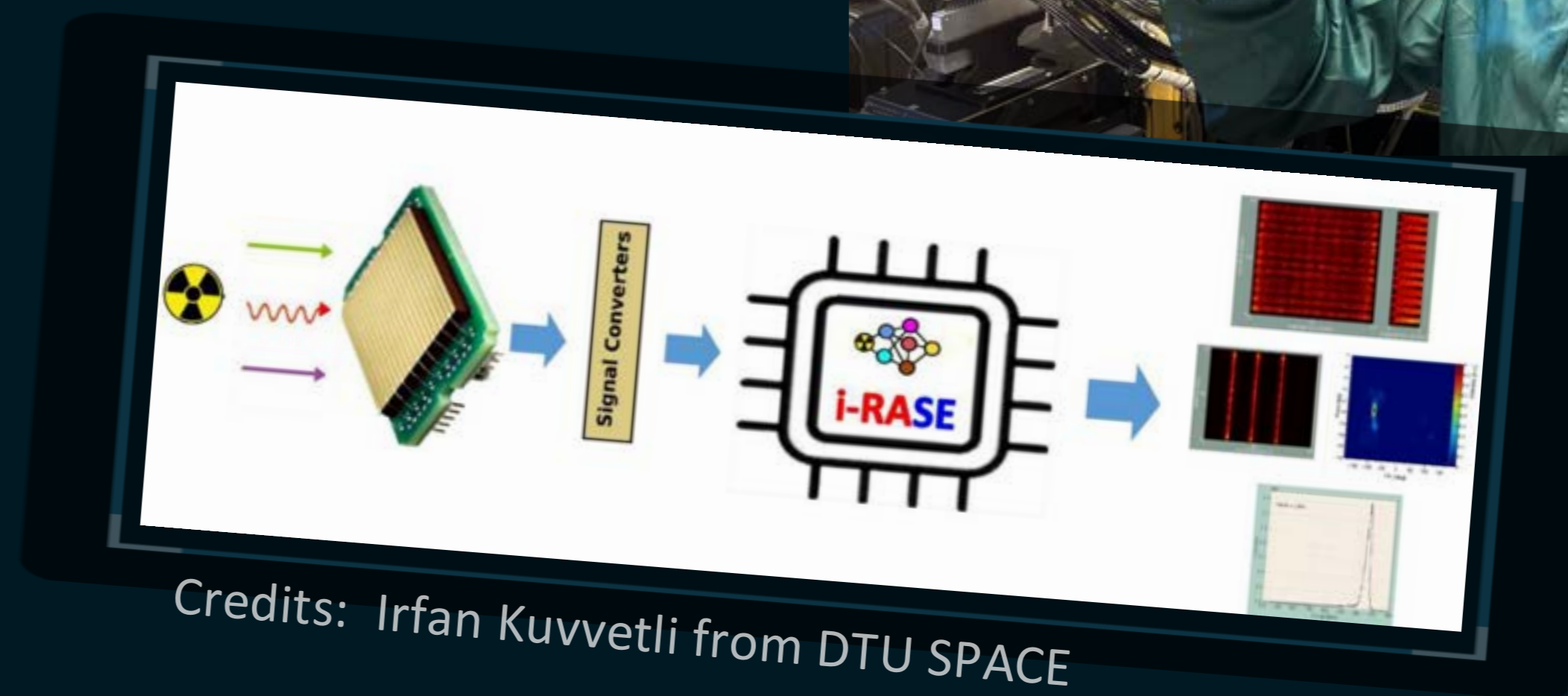
Multinational enterprise
 Inventor
 R&D institution

Contact Name
Contact Email
Contact Phone

Strong tool to “get positioned” to participate to ESA calls

Technology Exchange – Technology Descriptions

- Locate new partners and customers for innovative Academia R&D
- Now used in breast cancer research in the UK
- From DTU Space, the cutting edge development by Irfan Kuvvetli of the Intelligent Radiation Sensor Readout System (I-RASE) under development for space is now offered for other non-space usage



Credits: Irfan Kuvvetli from DTU SPACE

Support Danish companies to grow & internationalise

HOW WE WORK WITH COMPANIES



Understand

Deep dialogue with each company – needs, goals, and growth potential are unique



Identify

Map out what space & satellite assets can genuinely accelerate their business



Match

Find the right partner – nationally or internationally – via ESA broker network



Connect

Tech Descriptions (TD) & Tech Needs (TN) drive fast, effective introductions

WHAT COMPANIES TYPICALLY NEED

New customers

Ready product or service seeking market reach

Tech partner

Build a more complete turn-key solution

R&D collaboration

Joint development with company or university

Market feedback

Dialogue with potential customers to refine product

Key Tools

TD Technology Description *When you have a solution & need customers*

TN Technology Need *When you need a partner, tech, or capability*



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Denmark

THANK YOU

ESA Technology Broker Denmark

www.spaceventures.dk/esabroker
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//SPEAKER



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