

Report

D2.3: Expert conferences and presentation of the project on thematic events

WP2 Communication and Dissemination

Responsible partner: CVTI

Partners: Gratex, IT4I@VSB, DFKI, Asseco CE, STU Bratislava, Comenius University Bratislava, Alexander Dubček University of Trenčín, Trenčín Self-Governing Region, Optima Ideas, CANEX

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Revision history			
Version	Date	Comment	Author
V0	03.12.2025	First draft	Inna Bohdan
V1	12.1.2026	Version for review	Peter Hrčka
FINAL (after 1 st conference)	13.1.2026	1 st Level Review	Branislav Tomaško

1 Executive summary

1.1. Context and main purpose

This report (Deliverable D2.3: *Expert conferences and presentation of the project on thematic events*) documents the **InnovAlte Slovakia kick-off conference held on 29 October 2025 at the Holiday Inn Trnava, Slovakia, as a hybrid event** (on-site + online stream).

The **main purpose** of the conference was to officially launch the InnovAlte Slovakia project, present its vision and work package structure, and actively engage key stakeholders from public administration, industry, academia, startups and the innovation ecosystem.

1.2. Subject matter and key findings

The essence of this deliverable was to organize and execute the launch event aimed at linking research and practice. The conference presented the full international consortium and also external participants. It combined a structured presentation of Work Packages with a rich professional programme, including keynote talks on AI ethics and parallel tracks focused on:

- energy-efficient and smart buildings,
- safer mobility through video analytics,
- automated software engineering,
- digital transformation in the insurance sector.

Key findings regarding participation:

- Total participants: 129
- Target groups reached included: public sector representatives, industry/business sector, academia, and the startup ecosystem.

Key findings and observations derived from participant feedback and discussions

- The InnovAlte Slovakia consortium is perceived as a strong partnership capable of translating advanced AI research into practical solutions for cities, companies and public services.
- Stakeholders expect concrete pilots and proofs of concept (e.g. video analytics, use of synthetic data, decision-support tools for cities) within approximately one year.
- The project is clearly seen as grounded in human-centric and trustworthy AI principles, with ethical considerations integrated from the outset.
- The conference was evaluated very positively in terms of expert level, diversity of sectors and networking opportunities.

1.3. Conclusions

Clearly describe the specific conclusions or decisions that result from the findings.

Based on the above findings, the following conclusions were drawn:

- **Visibility and positioning** – The kick-off conference successfully positioned InnovAlte Slovakia as a key national initiative in applied AI, aligned with European and national priorities and with strong international links.
- **Stakeholder engagement** – The event effectively brought together 129 participants from public sector, industry, academia, startups and other stakeholders, confirming broad interest in the project's thematic areas and creating a basis for long-term cooperation.
- **Relevance to real-world needs** – Discussions and feedback confirmed that the selected application domains (mobility, smart buildings, software engineering, insurance) correspond to concrete needs of cities, companies and public organisations, and that partners expect tangible, deployable AI solutions rather than purely exploratory research outputs.
- **Trustworthy and human-centric AI** – The project's emphasis on ethics, trust and societal impact was clearly communicated and positively received, strengthening confidence in future pilots and solutions.

1.4. Plan and next steps

The outcomes of the kick-off conference inform the following next steps for the project and for subsequent expert events under D2.3:

- **Refinement of pilots and use cases** – Use the collected feedback to fine-tune pilot scenarios in mobility, smart buildings, software engineering and insurance, with clear milestones and expectations for demonstrable prototypes within the first project years.
- **Strengthening stakeholder community** – Maintain and grow the community established at the kick-off through follow-up communication, thematic workshops and expert conferences focused on specific domains (e.g. synthetic data, trustworthy AI, AI for public services).
- **Systematic communication and dissemination** – Build on the visibility gained from the kick-off to implement a structured communication plan via the InnovAlte website, social media, partner channels and thematic events at national and international level.
- **Evidence and impact tracking** – Use the kick-off as a baseline reference point for monitoring dissemination reach, stakeholder engagement and the evolution of the InnovAlte ecosystem throughout the project.

1.5. Significance and continuity

The kick-off conference contributes to the project and to WP2 “Communication and Dissemination” in several ways:

- It marks the first major expert event under D2.3, providing a reference model for future conferences and thematic workshops organised within InnovAlte Slovakia.
- It operationalises the project’s vision “From research to solutions – AI that drives real-world impact” by presenting concrete domains, partners and initial activities to the wider community.
- It supports the broader goals of the InnovAlte Slovakia project, which aims to build a dynamic and sustainable AI innovation ecosystem in Slovakia, linking research, industry and the public sector, and contributing to higher added value and competitiveness of the national economy.
- In continuity terms, the lessons learned from this event will directly inform the design, focus and communication strategy of subsequent expert conferences and thematic presentations (also covered by D2.3) and will feed into the long-term dissemination, exploitation and stakeholder engagement strategy of the project.

2 Introduction

2.1. Context

InnovAlte Slovakia was launched in response to the national call “*Transformation and Innovation Consortia*” under the Recovery and Resilience Plan of the Slovak Republic. The project aims to build a dynamic AI innovation ecosystem, connecting excellent research with practice in domains such as energy-efficient buildings, smart mobility, automated software engineering and digital transformation in insurance.

This deliverable was created as part of the **InnovAlte Slovakia project**, which is funded by the **Recovery and Resilience Plan of the Slovak Republic** (Component 9 – Investment 2: Promoting collaboration between companies, the academic sector and R&D organizations). It documents the InnovAlte Slovakia **kick-off conference held on 29 October 2025** at the Holiday Inn Trnava hotel, which served as the formal public launch of the project and as one of the key dissemination events where the project and its research agenda were presented to stakeholders.

2.2. Identification of actors

Participating Project Partners		Role	Involved key experts	1st stage Reviewer	2nd stage reviewer / SB rapporteur
Gratex International, a.s.	GTI	Lead	Branislav Tomaško		
Asseco central Europe, a.s.	ACE	Partner	Patrik Břečka, TM		
CANEX, spol. s r.o.	CANEX	Partner			
Optima Ideas, s.r.o.	Optima	Partner			
Vysoká škola báňská - Technická univerzita Ostrava	IT4@VSB	Partner			
Deutsches Forschungszentrum für Künstliche Intelligenz GmbH (DFKI)	DFKI	Partner	André Antakli, TM		
Slovenská technická univerzita v Bratislave	SvF STU	Lead	Tomáš Funtík, TM		

Univerzita Komenského v Bratislave	UK BA	Partner	Zuzana Berger Haladová, TM		
Trenčianska univerzita Alexandra Dubčeka v Trenčíne	TnUAD	Partner			
Centrum vedeckotechnických informácií Slovenskej republiky	CVTI	Lead for dissemination	Peter Hrčka, Dávid Cymbalák		
Trenčianský samosprávny kraj	TSK	Partner			

Pozn. DL – Deliverable Leader, TL – Team Leader, TM – Team Member, E – External Expert.

2.3. Main objective of the deliverable

The primary objective of D2.3 is the **organization of expert conferences with different communication strategies** following the implementation logic of the project. This specific report documents the "informing about the project" phase, ensuring the project activities and results are presented to key stakeholders.

2.4. Specific objectives

In line with the description of Task T2.2 – Dissemination events (M1–M30), the specific objectives of this deliverable are to:

- **Describe the kick-off conference as an expert dissemination event** organised in accordance with the implementation logic of the project and the milestones in the research work packages (content-focused presentations, domain-oriented sessions, interactive discussions).
- **Show how the event supported the overall WP2 communication framework**, which includes:
 - the Internal Communication Plan and Dissemination Strategy (T2.1, D2.1),
 - the project website as a primary information hub (T2.1, D2.2),
 - the planned sequence of expert conferences and thematic events (T2.2, D2.3),
 - upcoming newsletters, media outputs and summary articles (T2.3–T2.4, D2.4–D2.6),
 - and long-term sustainability and technology transfer efforts (T2.5, D2.7).
- **Document the reach and audience structure** of the kick-off conference as part of the broader dissemination logic of WP2 – in particular, how the event addressed:

- **Capture feedback and lessons learned** from the kick-off conference that are relevant for the design of subsequent expert conferences (informing about progress, research results, final achievements) and for presentations at thematic events organised by third parties.

2.5. Significance and use

This deliverable has significance at both work package and project level:

- For WP2, it serves as **evidence for Deliverable D2.3** that expert conferences are organised in line with the Dissemination Strategy and that they effectively support the visibility, outreach and stakeholder engagement objectives O2.1–O2.4.
- For the project as a whole, it illustrates **how early dissemination events help build a community around the project**, create channels for future transfer of technology and support the long-term sustainability of project outputs (as foreseen in Task T2.5 and D2.7).
- For future activities, it provides a **reference model for subsequent expert conferences** and thematic presentations (structure, target groups, communication channels and evidence of reach), allowing partners to replicate and improve the approach over the project lifetime.

3 Project Context, Objectives of WPx

3.1. Context of the entire project

The InnovAlte Slovakia project aims to drive systemic transformation and increase the added value of key sectors of the Slovak economy through intensive collaboration among research institutions, innovative enterprises, and the public sector. WP2 supports this by ensuring smooth internal communication and maximizing the impact of the project through effective dissemination to wide target groups.

Within this framework, Deliverable D2.3 (Expert conferences and presentation of the project on thematic events) serves as a critical operational pillar. This kick-off conference represents the primary implementation of D2.3, establishing a direct channel for presenting project milestones to expert audiences and fostering the dialogue necessary for systemic change.

3.2. Relevant Specific Objectives

	Specific Objective	SO Description and Verification
1	Research Excellence and Innovation	Objective: To conduct cutting-edge research in AI across various WPs, resulting in a minimum of 34 peer-reviewed publications in reputable journals and conferences within the project duration. Verification: Research outputs will undergo rigorous peer review. The number of publications and their impact factors will serve as indicators of research excellence.
8	Education and Skills Development	Objective: To provide AI education and training to a minimum of 500 participants from diverse backgrounds within 30 months, enhancing AI skills and competencies. Verification: Participation records and skills assessments will measure the impact of training.
9	International Collaboration	Objective: To engage in a minimum of 3 collaborative international projects and co-publish at least 10 research papers with international partners within the project duration. Verification: Documentation of collaborative projects and publications will demonstrate international engagement.

Contribution to SO 1: Research Excellence and Innovation. The organization of expert conferences and participation in thematic events serve as the primary platform for disseminating the "cutting-edge research" generated within the project. These events provide a venue for presenting scientific findings to the academic community and stakeholders. The deliverable directly supports the objective of achieving peer-reviewed publications by creating opportunities for presenting papers in reputable conferences.

Verification: The achievement is verified through the event agenda, list of speakers, and conference proceedings (or book of abstracts) containing the presented research outputs.

Contribution to SO 8: Education and Skills Development. This deliverable includes interactive event formats, such as hackathons, where participants (students, researchers, and professionals) work with open data generated by the project. These practical activities directly contribute to the objective of enhancing AI skills and competencies for a minimum of 500 participants.

Verification: The contribution is verified through participation records (attendance sheets) from conferences and hackathons, as well as event reports detailing the interactive sessions.

Contribution to SO 9: International Collaboration. The conferences are designed to bring together key stakeholders including international partners from the consortium (DFKI, IT4I@VSB). These events foster knowledge exchange and cross-border networking, which are essential for developing collaborative international projects and co-publishing research papers.

Verification: This is verified by the participation of international partners in the organized events and the documentation of joint presentations or workshops held during these events.

Relevant Work Package /s

	Work Package	WP Lead Partner	Task	Task Lead Partner	Task Leader
WP2	Communication and Dissemination	GRATEX	T2.2: Dissemination events	CVTI SR	Peter Hřčka

3.3. Specific focus of WP2

The specific focus of WP2 is to implement a set of measures for the most effective communication to achieve the best results in disseminating the project's outputs to selected target groups. It also aims to ensure smooth internal communication between partners. Deliverable D2.3 focuses specifically on the organization of expert conferences and presentation of the project on thematic events to interact directly with the professional public

Below is the list of all specific objectives for WP2. The objectives directly addressed and fulfilled by the D2.3 are explained:

Objectives	Fulfilment via D2.3
O2.1: The general objective of the InnovAlte Slovakia communication and dissemination activities is to reach a wide range of target groups that are interested in AI-driven breakthrough research in diverse fields.	This objective was a primary driver for the Kick-off conference. The event successfully reached 129 participants from diverse sectors, including public sector representatives (national/regional authorities), industry (tech, mobility, insurance), and academia. The "diverse fields" requirement was met by the

	parallel tracks covering mobility, smart buildings, software engineering, and insurance
O2.2: Promote the visibility of results and deliverables of the project through the projects' engaging promotional activities, e-newsletters, and by communicating and disseminating project results to a wide range of target groups;	The conference itself served as a major high-profile promotional activity. It utilized pre-event communication (web, social media) and offered a hybrid format with online streams to maximize visibility. It formally presented the project's vision and the structure of Work Packages to the public
O2.3: Contribute to the sustainability of the project results by informing relevant stakeholders and target groups through the participation in relevant events and the publishing of results freely accessible to the public.	This deliverable is the direct realization of "participation in relevant events." By organizing this conference, the consortium established early relationships with stakeholders who are crucial for the long-term sustainability and adoption of the AI solutions being developed. The event positioned InnovAlte Slovakia as a long-term innovation initiative
O2.4: Communicate towards R&D organizations in the EU with the aim to continue in research tasks after the implementation of the project and develop and carry out further research projects.	The event showcased the international nature of the consortium (involving German DFKI and Czech IT4I). It provided a platform to present the project's alignment with European AI priorities, fostering connections for future R&D collaborations

3.4. Linking the deliverable to the project

The overall ambition of InnovAlte Slovakia is to build a strong, sustainable ecosystem for AI-driven innovation, linking excellent research with real-world applications in multiple domains. The Kick-off Conference links the project's research ambitions with the real-world needs of the ecosystem. Within the overall project logic:

- D2.3 foresees a sequence of expert conferences at different stages of implementation (initial launch, mid-term progress, presentation of research results, final achievements), as well as presentations at thematic events organised by third parties.
- The kick-off conference is the first major expert event under D2.3 and serves to formally introduce the project, its partners, work packages and research agenda to key stakeholders.
- The conference directly supports the core aims of WP2 by raising awareness of InnovAlte Slovakia, engaging potential users and partners, and building a community around the project's thematic domains.

3.5. Expected contribution of WP2 in the context of the deliverable

In the context of the D2.3, WP2 – Communication and Dissemination contributes to the fulfillment of the project's specific objectives as follows:

- **Support for Research Excellence (SO 1):** WP2 ensures the maximization of outreach and stakeholder engagement through the project website and media channels. By doing so, it creates a platform for presenting cutting-edge research and its outputs (presentations, recordings, summaries) to a wider audience, which is a necessary prerequisite for achieving the target regarding peer-reviewed publications and recognition within the scientific community.
- **Education and Skills Development (SO 8):** By promoting interactive formats such as hackathons conferences, WP2 actively reaches out to target groups. This directly contributes to the objective of training a minimum of 500 participants and enhancing their competencies in the field of AI.
- **Strengthening International Collaboration (SO 9):** Conferences serve as a key tool for connecting research teams with international partners. WP2 ensures communication coherence and the promotion of events in the international space, thereby creating opportunities for the emergence of joint projects and publications required under SO 9.

3.6. Links to other deliverables

Deliverable	Title	Link with D2.3
D2.1	Internal Communication Plan and Dissemination Strategy	The kick-off conference was executed in alignment with the target groups, goals, channels, timing defined in D2.1
D2.2	Project website established with news published	Project website serves as the main channel for event information, registration and post-event materials (agenda, presentations, news about the conference).
D2.4	E-newsletters	Use the kick-off conference as core content for informing subscribers about the launch of the project and inviting them to future activities.
D2.5	Press releases	The start-of-project press release refers to the kick-off as a key visibility moment; the final press release will reflect back on its role.
D2.6	Summary Articles	The topics and discussions from the kick-off conference can be used to develop more in-depth articles for relevant media outlets.

D2.7	Project Sustainability and Technology Transfer Plans	Contacts, partnerships and interest identified during the conference can be used as input for planning post-project collaboration and uptake of results.
D2.8	Promotional materials	The event utilized the visual identity and materials (roll-ups, posters, banners, presentations) developed under D2.8 to ensure coherent project branding and visibility.

4 Updated scope definition and methodology

4.1. Definition of the baseline

Within WP2 – Communication and Dissemination, D2.3 represents a series of high-profile dissemination activities, in particular:

- **organisation of expert conferences** at key milestones of the project (informing about the project, its progress, research results and final achievements), and
- **presentations at thematic events** organised by third parties, where InnovAlte Slovakia and its work packages are introduced to relevant professional communities.

The baseline for D2.3 is therefore event-oriented: the deliverable consists of the conferences and presentations themselves, which serve as vehicles to communicate project objectives and results, engage stakeholders, support technology transfer and contribute to the sustainability of project outputs.

4.2. Identification of the solution

The solution defined for this deliverable was the organization of the InnovAlte Slovakia Kick-off Conference as a high-profile, hybrid event.

Scope: A full-day conference combining strategic plenary sessions with technical parallel tracks.

Format: Hybrid (Face-to-face at Holiday Inn Trnava + Online stream via YouTube) to maximize reach

Date: 29.10.2025

4.3. Defining the solution methodology and overall approach

The methodology for achieving this output followed a structured event management approach, ensuring the engagement of all target groups defined in WP2.

4.3.1. Division into logical phases

Phase 1: Preparation and Communication

- **Concept & Agenda:** Designing a programme that balances high-level vision (for public administrators) and deep-dive technical content (for experts).

- **Stakeholder Engagement:** Active invitation of key actors from public agencies, universities, and private companies.
- **Promotion:** Publishing "save-the-date" notices, launching the event page on the InnovAlte website, and executing a mailing campaign. Social media promotion on LinkedIn, X, and Facebook.

Phase 2: Execution

- **On-site Management:** Coordinating physical participants, speaker logistics, and networking sessions
- **Hybrid Delivery:** Ensuring professional streaming of individual tracks to allow remote participation.
- **Content Delivery:** Presentation of Work Packages (Lightning talks) and domain-specific sessions (Mobility, Energy, Software, Insurance).

Phase 3: Follow-up and Dissemination

- **Content Publishing:** Uploading presentations and recordings to the project website/repository.
- **Feedback Collection:** Gathering evaluations from participants to assess satisfaction and future expectations.

5 Deliverable content

The core output of this deliverable is the successfully executed conference programme, which provided a comprehensive overview of the InnovAlte Slovakia project. The content was divided into strategic sessions and thematic tracks.

6.1 Opening & Project Vision

- Focus: Presentation of the project's strategic objectives, expected impacts, and alignment with national/European AI priorities.
- Key Speakers: Representatives of the consortium leadership.

6.2 Lightning Talks – Work Packages

- Focus: A structured introduction of all Work Packages (WP1...WPx).
- Content: WP leaders presented key bullet points per WP, outlining goals, typical use cases, and planned results. This session served to orient the audience within the project structure.

6.3 Keynote Sessions

- Topics: Expert lectures focused on broader AI contexts, such as AI Ethics and Trust and Future Directions.
- Relevance: These sessions grounded the project's technical goals in human-centric and trustworthy AI principles.

6.4 Parallel Tracks: to address specific domain interests, the conference split into two main tracks

- Track A: AI for Smart Mobility & Built Environments
Focused on AI algorithms for energy efficiency in buildings and video analytics for traffic safety.
- Track B: AI-Driven Software Engineering & Insurance Innovation
Focused on automating software development and digital transformation in the financial sector.

6.5 Panel Discussions Interactive panels fostered dialogue on critical industry challenges:

- Panel A: Discussed synthetic video data, autonomous vehicles, and safety.
- Panel B: Discussed the AI maturity of insurance companies in the CEE region.

References/identification of output sections in the appendix chapter: A complete list of presentations, recordings, and their locations is provided in the Annex.

6 Final conclusions and recommendations

6.1. Summary of key conclusions

The execution of the Kick-off conference confirmed that the InnovAlte Slovakia consortium is perceived as a strong partnership capable of turning cutting-edge AI research into practical solutions for cities, businesses, and the public sector. Key findings from the event include:

- **Strong Alignment:** The project is clearly seen as grounded in human-centric and trustworthy AI principles, including ethical considerations from the start.
- **Positive Reception:** The conference was evaluated very positively by participants, especially regarding the expert level of speakers, diversity of represented sectors, and networking opportunities.
- **Stakeholder Expectations:** There is a clear expectation from the ecosystem for concrete pilots and proof-of-concept solutions (e.g., video analytics, decision-support tools) to be delivered within roughly one year.

6.2. Final recommendations

Based on the internal debrief after the kick-off conference, several areas for improvement were identified.

Programme and content

- **Fewer presentations, more depth** – reduce the total number of talks to allow more time per contribution and create space for Q&A and discussion.
- **Time management and buffers** – include explicit time buffers in the agenda to absorb delays and avoid cascading shifts in the programme.
- **Stricter timekeeping** – in addition to a timer and active moderation, consider a discrete sound signal to indicate the end of the allocated speaking time.
- **Provide speakers with clear instructions**, encourage less content per slide to keep presentations visually clear and easily readable from the audience.
- **Request earlier submission of slides** and avoid collecting or changing presentations during the event.
- Consider **the risk of last-minute changes**, especially when involving political representatives, and prepare backup scenarios.

Visuals and graphics

- **Presentation templates** – increase font size and choose a font that is reliably compatible across Windows and Mac.

- **Screen backgrounds** – use static backgrounds on screens (no animations) to avoid distraction and technical issues.
- Design a clearer, **large-font programme layout for monitors**.
- Prepare printed programmes in large format, placed in multiple visible locations at the venue.

Organisation and technical setup

- Ensure **simultaneous interpretation** is available in all main rooms.
- Provide **name badges for all participants** to support networking and partner identification.
- Plan sufficient **technical rehearsals** (microphones, Zoom connections, presentations) before the event starts.
- Improve **stage lighting** to ensure speakers are clearly visible both in the room and on the live stream/recording.
- Clarify **arrangements with the photographer in advance** (scope, timings, and expected outputs)

PR and communication

- **Strengthen overall awareness of the event**, not only through PR articles, but also via active promotion by project partners and external networks.
- **Provide stronger promotional support for the live stream**, including clear calls-to-action and reminders before and during the event.
- **Develop a social media strategy specifically for the conference** and its live streaming (planned content and timing of posts; systematic tagging of consortium partners; encouraging partners to repost and share content to expand reach).

6.3. Proposal for dissemination and publication plan

Strategy for disseminating the results achieved:

- **Content Availability:** All public presentations and video recordings of the keynotes and parallel tracks will be made available on the project [Youtube](#). Additionally, summaries of all presentations are accessible through the conference proceedings published on the project website (<https://www.innovaite.sk/>).
- **Outreach:** A summary article and press release covering the event's success will be distributed through social media, newsletters, university websites, and media partners.
- **Social Media:** Post-event communication will continue on LinkedIn and Facebook to maintain the momentum generated by the launch.

7 Annexes

Table – overview of annexes

Name of Annex	Description of content of Annex	Confidentiality
Content & sessions – detailed report	A comprehensive detailed report of the conference sessions, summarizing key points from the opening project overview, Work Package lightning talks, keynote speeches, parallel thematic tracks, and panel discussions.	Public
Presentations, recordings and materials	A comprehensive inventory of the conference materials, detailing the availability and specific storage locations of PowerPoint presentations and video recordings for every session, keynote, and panel discussion.	Public

Annex 1 Content & sessions – detailed report

Opening & Project Overview

Speakers: Peter Dovhun (Gratex), Marek Grác (Asseco CE), Denis Knotka (Gratex)

Main points from the presentation:

- Introduction of InnovAlte Slovakia as a project building a dynamic AI innovation ecosystem that connects top research with real-world practice
- Brief presentation of the international consortium, the 2025–2027 timeline, and expected outputs in the form of functional prototypes and support for AI talent and startups

Lightning talks – Work Packages

WP3 Introduction: Cross-domain AI

Speaker: Pavel Tuček (IT4I)

Main points from the presentation:

- The core activities of WP03 include developing an Ethical AI Framework, conducting Bias and Fairness Analysis, and addressing Human-AI Interaction Ethics.
- A robust Data Management Plan (DMP) is prioritized, covering legal compliance (like GDPR and AI Act), data privacy, and a comprehensive blueprint for ethics assessment in practice

WP4 Introduction: AI-driven buildings

Speakers: Radek Fiala (IT4I), Tomáš Karásek (IT4I)

Main points from the presentation:

- WP4 focuses on a Sustainable Energy Strategy with Artificial Intelligence to improve energy efficiency in the building and industry sectors.
- The core strategy moves to ongoing, intelligent management using AI modules for observing, predicting, and autonomously controlling energy consumption and resources.
- This is implemented by creating a robust data pipeline and a "Digital Twin" consumption model to identify and optimize inefficiencies through continuous analysis

WP5 Introduction: AI-driven video

Speaker: Petr Strakoš (IT4I)

Main points from the presentation:

- WP5 focuses on enhancing safety and security in two main domains: traffic and smart buildings.

- A core objective is to generate and use high-quality synthetic data from 3D virtual environments to improve AI generalization for rare safety events, such as traffic accidents or road surface potholes.
- The work also involves developing optimized AI models for multi-source video streams and evaluating edge devices for secure, real-time processing in both domains, with the goal of reducing traffic accidents by at least 10%.

WP6 Introduction: AI in software

Speakers: Tomáš Uherčík (Gratex), Pavol Petrovič (Asseco CE)

Main points from the presentation:

- WP06 focuses on AI-Driven Software Development by automating various engineering tasks using AI agents and tools.
- The first key area involves using AI agents to generate test scenarios and perform information mining, such as classifying requests as bugs or change requests from documents.
- The second area centers on Architectural Recovery using CINDY and AI to analyze code repositories, map the system architecture, and generate comprehensive technical reports, where AI and CINDY cooperate to cover each other's blind spots.

WP7 Introduction: AI-driven insurance

Speakers: Peter Tholt (Asseco CE)

Main points from the presentation:

- WP07 focuses on AI-Driven Insurance Operations, primarily aiming to automate claims handling and administratively demanding activities to reduce costs and improve client satisfaction.
- Additional key areas include using AI for fraud detection/prevention and client risk assessment.
- The methodology prioritizes ethical data preparation (including anonymization and data minimization) and guarantees full compliance with regulations like GDPR and the EU AI Act, ensuring data security and transparency.

Keynote sessions

Trustworthy AI: Bridging Technology, Responsibility, and Society

Christian Müller (DFKI)

The Path to General Intelligence: Understanding Current AI and Its Limits

Juraj Gazda (Technical University of Košice)

Parallel tracks

- Track A: *AI for Smart Mobility & Built Environments*

BIM and AI: Digital Support for Energy-Efficient Buildings

Tomáš Funtík (Slovak University of Technology in Bratislava)

Edge Devices and Their Use in Buildings to Increase Security and Visibility of Usage Status

Ivan Golian (Optima Ideas)

Current Use of AI Together with Image Processing on Roads and Further Opportunities for Improvement

Marek Vančo (CANEX)

The Use of AI for Simulated Pedestrians as a Training Basis for Autonomous Vehicles

Andre Antakli (DFKI)

Sensing Technologies and Autonomous Experimental Vehicle for CCAM Applications

Petr Šimoník (VŠB Ostrava)

- Track B: *AI-Driven Software Engineering & Insurance Innovation*

Explainable Malware Analysis

Martin Homola (KAI FMFI UK)

The Use of AI in Modern Software Development

Peter Lacko (KAI FMFI UK)

Quantum Computing – The State of Play

Ivan Doboš (Aricoma)

Towards AI-Driven Insurance Ecosystems in CEE

Peter Tholt (ACE)

Panel discussions

Panel A: The Role and Potential of Synthetic Video Data in Safety and Security; Autonomous Vehicles; AI & Video Technology

Panel B: AI Maturity of the CEE Insurance Companies

Annex 2 – Presentations, recordings and materials

Session / Topic	Type	Link / Location
InnovAlte Project Overview	PPT	SharePoint
	Recording (YouTube)	InnovAlte Project Overview
WP3 Introduction: Cross-domain AI	Recording (YouTube)	WP3 Introduction: Cross-domain AI
WP4 Introduction: AI-driven buildings	PPT	SharePoint
	Recording (YouTube)	WP4 Introduction: AI-driven buildings
WP5 Introduction: AI-driven video	PPT	SharePoint
	Recording (YouTube)	WP5 Introduction: AI-driven video
WP6 Introduction: AI in software	PPT	SharePoint
	Recording (YouTube)	WP6 Introduction: AI in software
WP7 Introduction: AI-driven insurance	PPT	SharePoint
	Recording (YouTube)	WP7 Introduction: AI-driven insurance
Keynote 1 – Trustworthy AI: Bridging Technology, Responsibility, and Society	Recording (YouTube)	Keynote 1
Keynote 2 – The Path to General Intelligence: Understanding Current AI and Its Limits	PPT	SharePoint
	Recording (YouTube)	Keynote 2
Track A – AI for Smart Mobility & Built Environments		
BIM and AI: Digital Support for Energy-Efficient Buildings	PPT	SharePoint
	Recording (YouTube)	BIM and AI: Digital Support for Energy-Efficient Buildings

Edge Devices and Their Use in Buildings	PPT	SharePoint SharePoint Videos
	Recording (YouTube)	Edge Devices and Their Use in Buildings
Current Use of AI Together with Image Processing on Roads	PPT	SharePoint
	Recording (YouTube)	Current Use of AI Together with Image Processing on Roads
The Use of AI for Simulated Pedestrians	PPT	SharePoint
	Recording (YouTube)	The Use of AI for Simulated Pedestrians
Sensing Technologies and Autonomous Experimental Vehicle for CCAM Applications	Recording	SharePoint
	Recording (YouTube)	Sensing Technologies and Autonomous Experimental Vehicle for CCAM Applications
Panel A: The Role and Potential of Synthetic Video Data	Recording (YouTube)	Panel A
Track B – AI-Driven Software Engineering & Insurance Innovation		
Explainable Malware Analysis	PPT	SharePoint
	Recording (YouTube)	Explainable Malware Analysis
The Use of AI in Modern Software Development	PPT	SharePoint
	Recording (YouTube)	The Use of AI in Modern Software Development
Quantum Computing – The State of Play	PPT	SharePoint
	Recording (YouTube)	Quantum Computing – The State of Play

Towards AI-Driven Insurance Ecosystems in CEE	PPT	SharePoint
	Recording (YouTube)	Towards AI-Driven Insurance Ecosystems in CEE
Panel B: AI Maturity of the CEE Insurance Companies	PPT	SharePoint
	Recording (YouTube)	Panel B

About the project

The InnovAlte Slovakia project was launched in response to the call “Transformation and Innovation Consortia” announced by the Government Office of the Slovak Republic under the Recovery and Resilience Plan of the Slovak Republic (Component 9 – Investment 2: Supporting cooperation between companies, academia, and research and development organizations). The call aims to drive systemic transformation and increase the added value of key sectors of the Slovak economy through intensive collaboration among research institutions, innovative enterprises, the public sector, and internationally renowned partners.

InnovAlte Slovakia seeks to build a dynamic and sustainable innovation ecosystem in the field of artificial intelligence (AI), effectively linking cutting-edge research with practical applications. The project emphasizes the development of AI solutions that are not only technologically advanced but also ethical, environmentally sustainable, and socially beneficial. The consortium brings together leading research centers, universities, and businesses from Slovakia, Germany, and the Czech Republic.

Key focus areas include the development of AI algorithms for improving building energy efficiency, enhancing traffic safety through video analytics, automating software development, driving digital transformation in the insurance sector, and validating functional prototypes. Special attention is also given to AI education, talent development, and the incubation of startups.

The project’s outcomes will significantly strengthen Slovakia’s position in research and innovation, reduce environmental burdens, increase the competitiveness of the national industry, and modernize public services. By bridging the public and private sectors with international research excellence, InnovAlte Slovakia stands as a key instrument in addressing the social and economic challenges of today.



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