

Brokerage event

Green technologies, energy and
digitalisation for a sustainable future



From idea to successful application by engaging in the right partnership

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The event is organized in the framework of the project KR PAN - Strengthening Research Support and Activities for Progress in European Research Projects, co-financed by the Republic of Slovenia, Ministry of Higher Education, Science and Innovation, and the European Union - NextGenerationEU.



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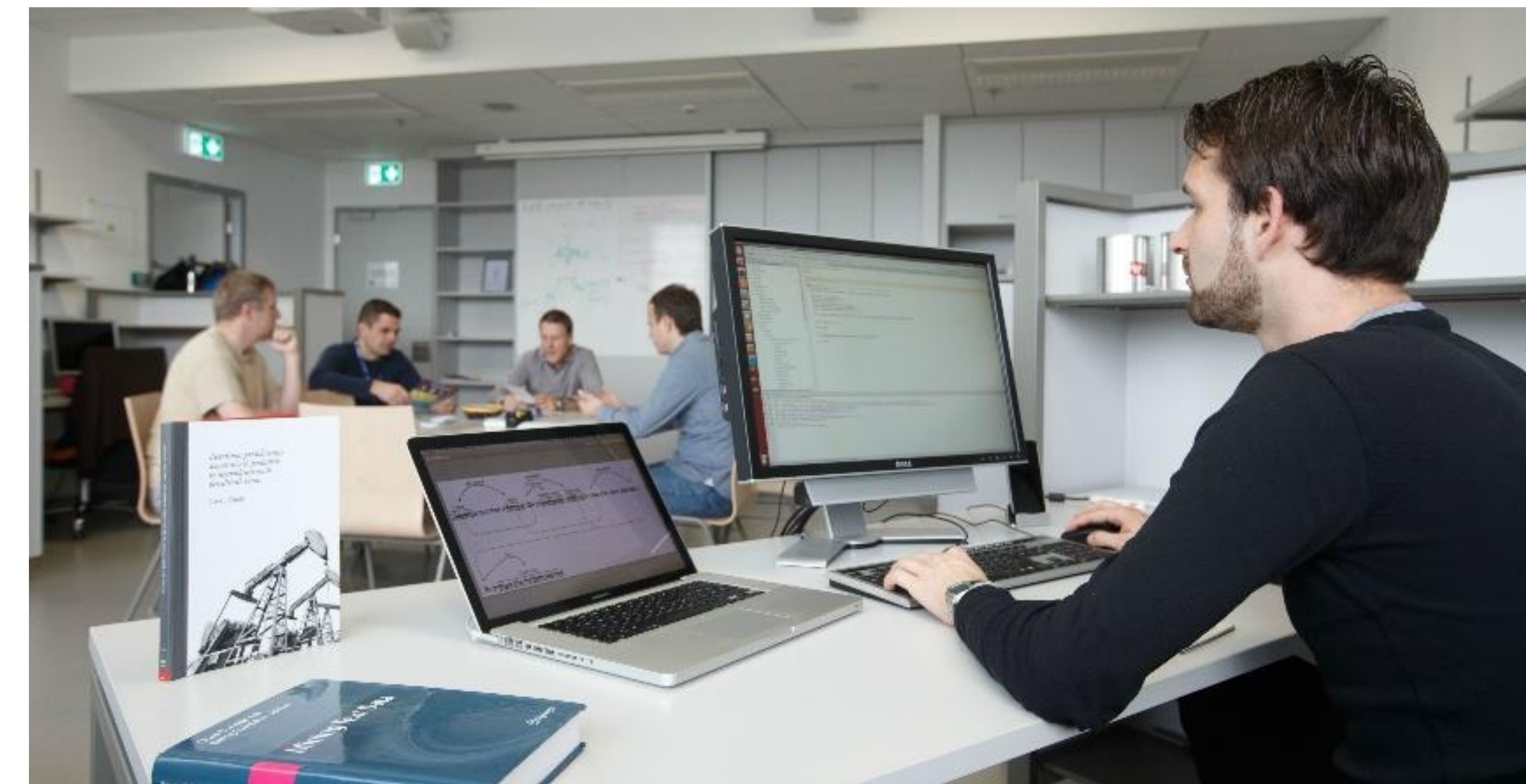
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Laboratory for data technologies

- 27 lab members
- 10 ongoing projects
- 30 completed projects

Collaboration with industry

- types of projects:
 - R&D
 - Proof of Concept
 - Proof of Technology
 - Consultancy



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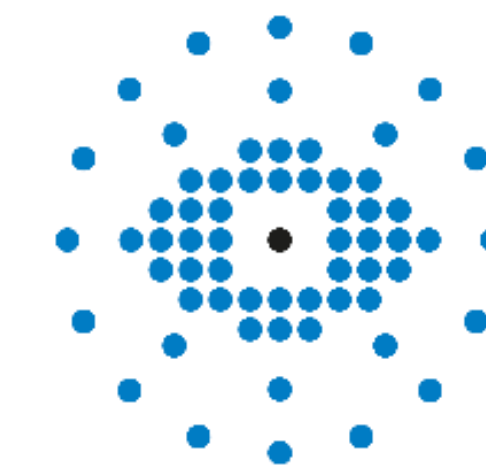
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European projects

- Decentralized computing
- Distributed computing
- Fog (Cloud-to-Edge) computing
- Artificial intelligence
- Machine learning
- Internet of Things
- Blockchain
- Digital Twins

- DataMiningGrid project (2004–2006)
- IntelliGrid (2004–2007)
- mOSAIC (2011–2013)
- ENTICE (2015–2018)
- SWITCH (2015–2018)
- DECENTER (2018–2021)
- ONTOCHAIN (2020–2023)
- ESSA (2020–2024)
- BUILDCHAIN (2023–2025)
- TRUSTCHAIN (2023–2025)
- ACES (2023–2025)
- ExtremeXP (2023–2025)
- EBSI-VECTOR (2023–2025)
- Swarmchestrade (2024–2026)



Laboratorij za
podatkovne tehnologije
Laboratory for
data technologies



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From idea to successful application

- **Idea! Solving contemporary problems**
- **Strategic planning**
- **Devoted partnerships**
- **What matters is walking the road, not the final achievement**
- **Precise execution of the process**
- **Engaging and influencing the future**

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Idea! Solving contemporary problems

- **The Big Problems of the Day: human-rights, sustainability, democracy, security, fake news, AI-threats, pollution, energy-efficiency, ..**
- **Various disruptive technologies and approaches**
- **Rather than on ideas, we focus on addressing/solving problems**
- **Our interest in addressing these problems is genuine, we invest our time, energy and even overhead finances. Examples include:**
 - **The 2014 IFIP Human-Centred Cloud initiative → Human-centred Internet is major aspect of Horizon 2020, Horizon Europe programmes**
 - **The Future of Software Engineering White Paper → New open calls in Horizon Europe**
 - **Now, our contributions to the Destination Earth (DestinE) Science Plan**

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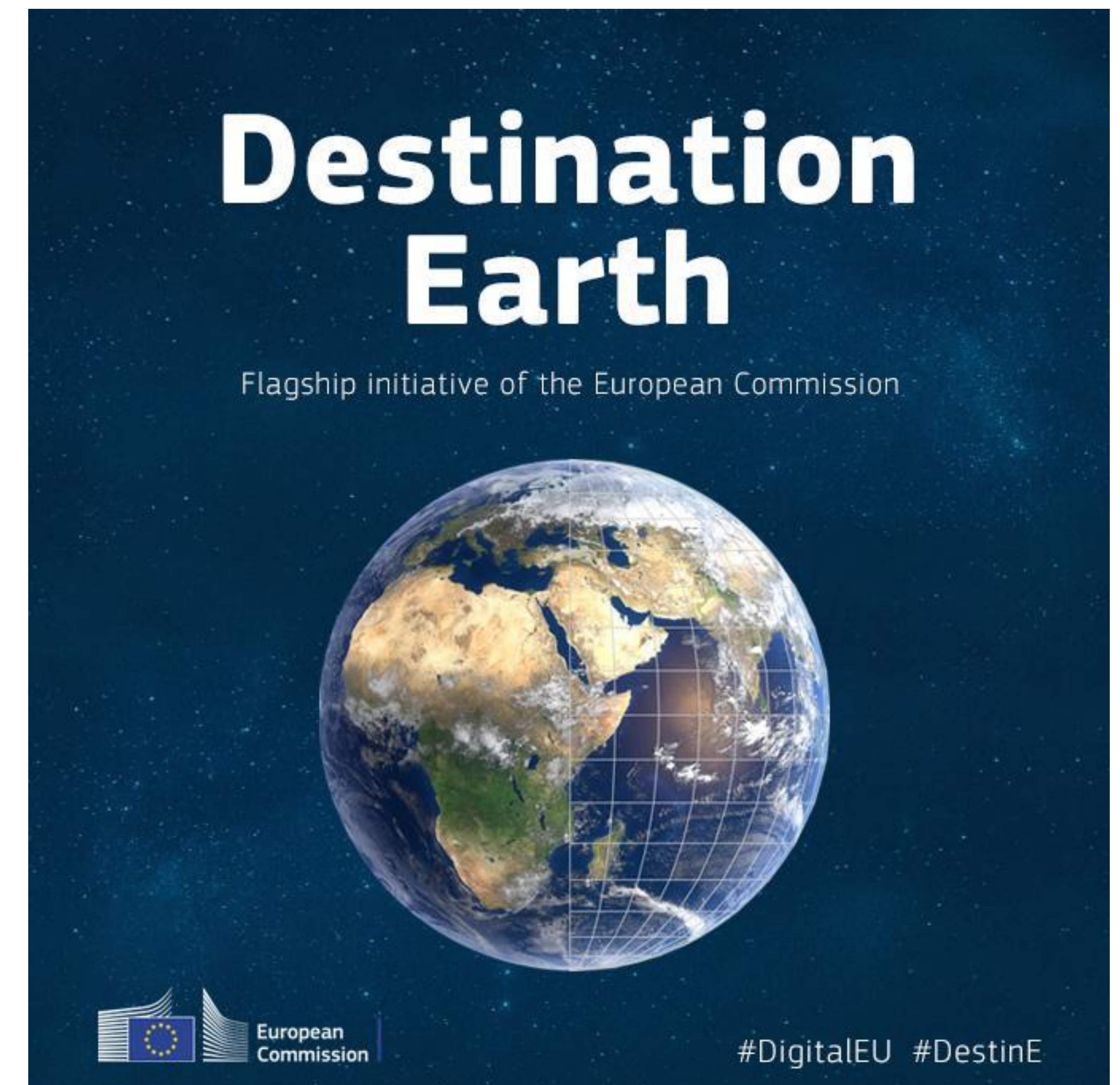
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Destination Earth Science Plan

- A European Commission flagship initiative for a sustainable future
- Taking part in Strategic Advisory Board
- Contribution to topics in which we believe
- E.g. the case for indigenous cultures, inspired by artists, the Biennale
- 200+ M EUR science programme



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Strategic planning

- **Never missed an EC organized ICT event in 20 years: get inspired by other peoples' works!**
- **We collaborate with people, but we need institutions**
- **The World is small to always meet the people we know, and yet large enough to meet new people**
- **Explore potential topics well in advance of any calls, practically anytime**
- **Understand the triangle: Knowledge, Opportunity, Goals**

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Devoted partnerships

- Devote time for longer physical encounters to feel the mood, exchange ideas, explore complementarities
 - Practically with every successful project:
 - e.g. ENTICE – meeting with professor Thomas Fahringer, DECENTER – meeting with professor Domenico Siracusa, Swarmchestrade – meeting with professor Tamas Kiss
 - In depth coverage of all potential collaboration topics



- Partnership since 2003

Lightning talks & discussions: The Future of Secure, Energy Efficient Computing & Data Management

- **Vlado Stankovski**, Ljubljana University, Slovenia
- **Ian Taylor**, University of Notre Dame & SIMBA Chain, USA
- **Ariel Oleksiak**, PSNC, Poland
- **Richard J. Knepper**, Cornell University, USA

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What matters is walking the road, not the final achievement

- **Proposal co-creation is a multi-directional learning process**
- **Enjoy it, submit it, and then do some other enjoyable business!**

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Precise execution of the process

- Germany gets most of the funding – I have learned at a point. The question is: why?
- Prepare 6 months in advance for a specific call
- Study the necessary partnership
- Study the topic in detail
- Be extremely precise by addressing all requirements of the process, all forms
- Only when the idea is formed, commit to partnership
- Devote time to the most intellectual aspects of your proposal
- Reviewers are humans like us, they look for enlightenment

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Engaging and influencing the future



- **Lead the way forward!**
- **Spread the word!**
- **Most successful are those who do not hide ideas for themselves**
- **The world of ideas is to be shared!**

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■ **Thank you!**

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