

CELTIC-NEXT

Project Proposal Pitch

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Real Trusted Systems

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Teaser

- An end-to-end, top-to-bottom trusted and confidential cloud and edge computing platform to provide the trustworthy part to your trustworthiness requirements.
- Now you can truly say "Trustworthy AI"

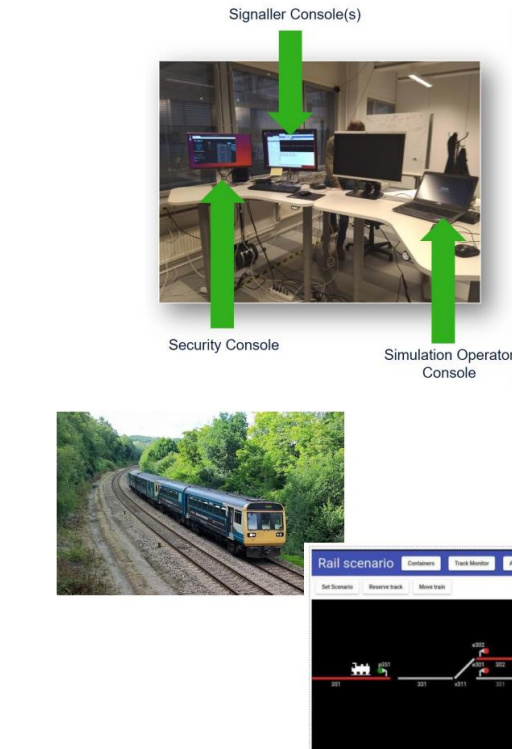
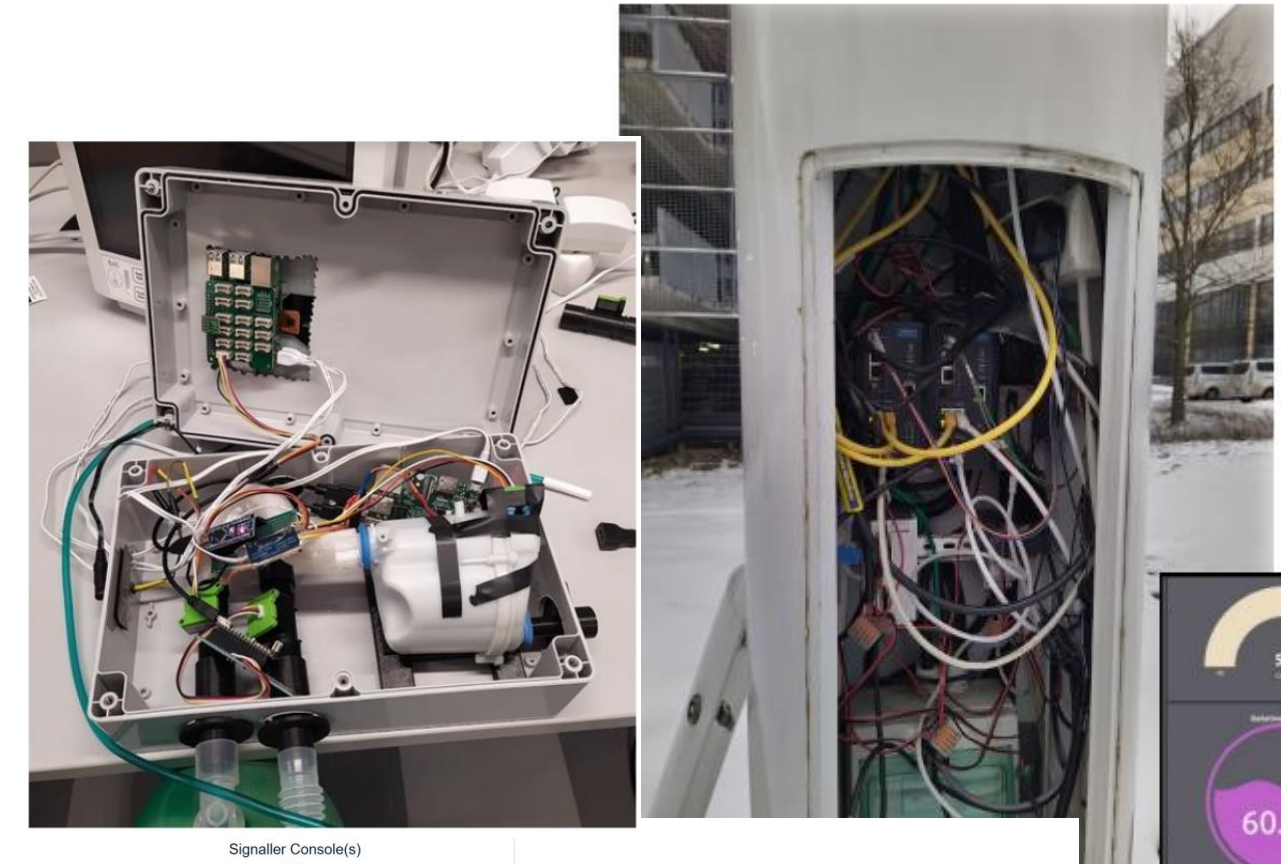
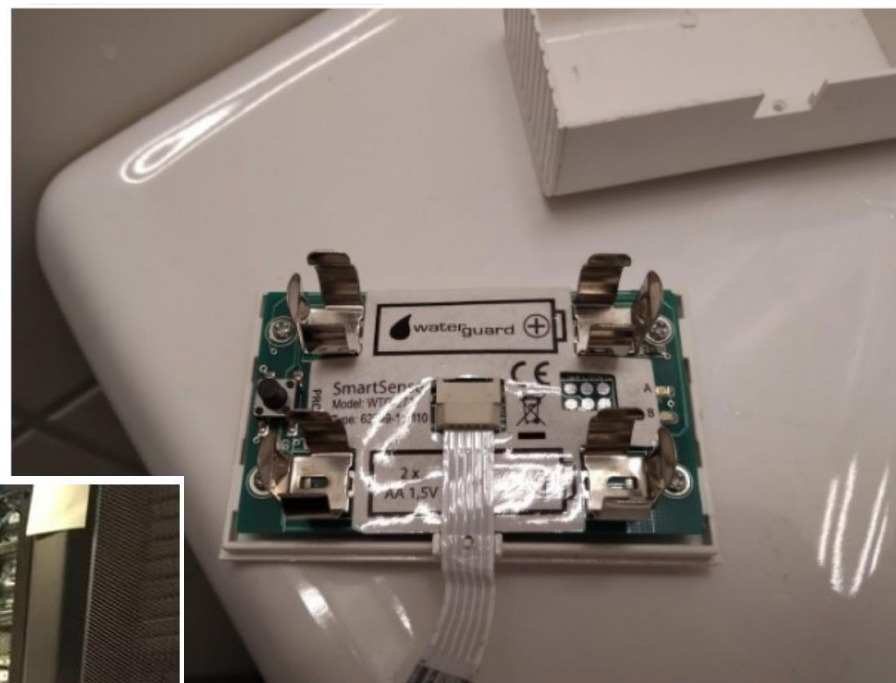
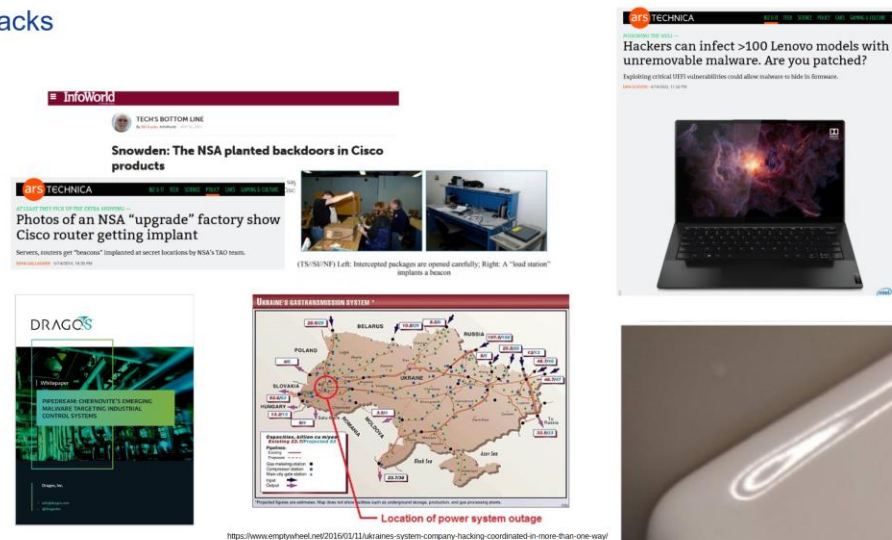
Organisation Profile



- The **University of Jyväskylä** is a research university in Jyväskylä, Finland.
- 14,000 students,
- 2,800 staff
- 222 Meur funding (2023)
- The faculty of IT is a multidisciplinary information technology specialist and one of the two largest university-level providers of IT education in Finland.
- The IT Faculty is engaged in active international cooperation both in the field of research and in teaching.

Proposal Introduction

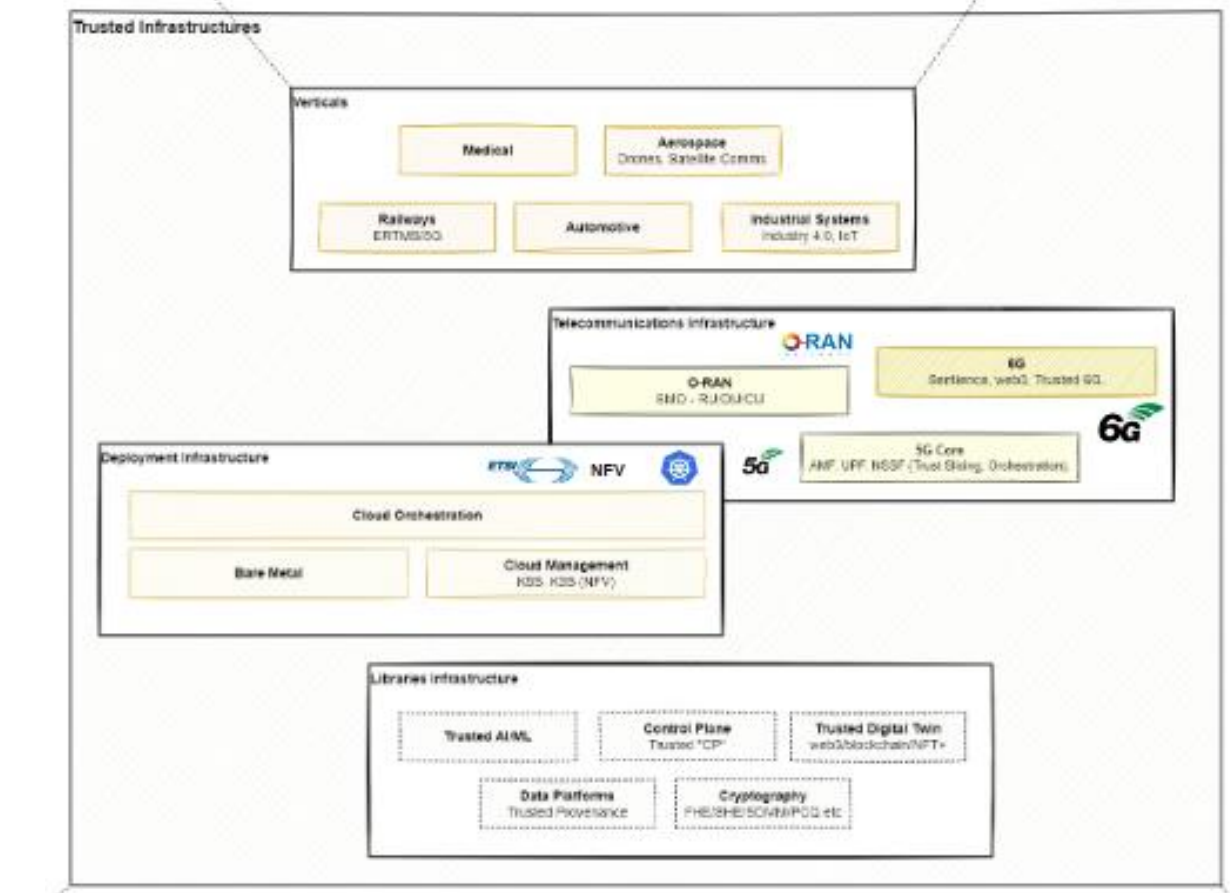
tacks



- Highlight #5: Trusted Railway Signalling POC**
- Trust in Low Latency Environments
 - Trusted Hardware
 - Trusted Control Plane
 - Dynamic Environment
 - Secure App Design Learnings
 - FMEA and RCA for Trust
 - Security & Trust Processes



Trustworthy X
X = AI/ML/Edge/...



Attestable? Trustable?

Devices, Infrastructure, Applications

Threats:
Supply-Chain, Run-Time,
Processing

Verticals and Domains:
Secure, Trusted and Confidential
hardware and data processing

Attest all the things:
Hardware, Containers, Supply-Chain
Digital Forensics and Trusted Infrastructure

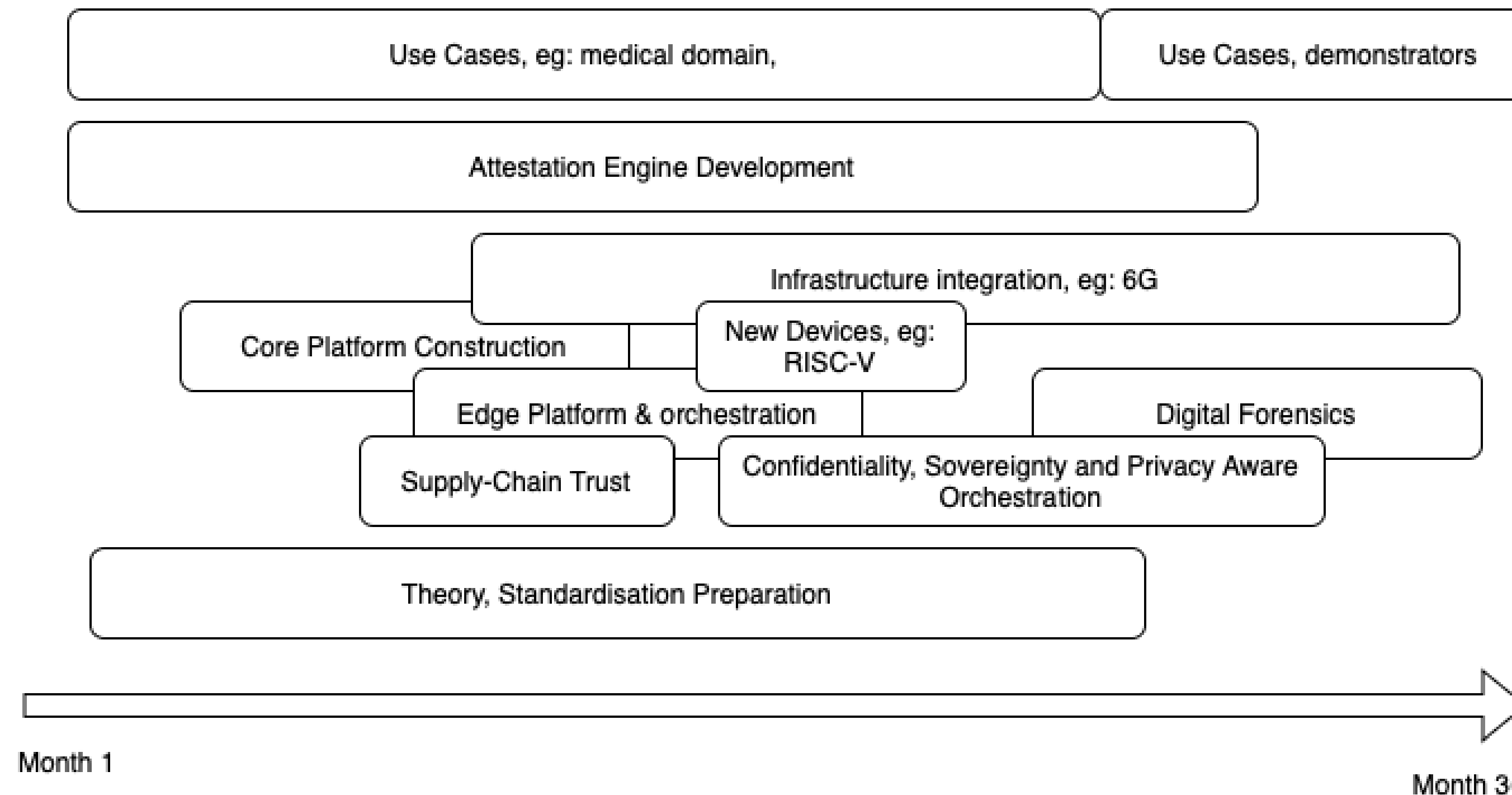
Proposal Introduction

Outcome

- Core, Edge, FarEdge to Device Confidential Computing
- Generic Attestation from Supply-Chain to Run-Time
- Orchestration for trusted workload mobility
- Digital Forensics for failure analysis and prevention

Impact

- Platform for truly trustworthy systems
- Privacy, Confidentiality, Sovereignty
- Input to standardisation, eg: 6G via IETF, ETSI, GSMA etc



We are looking for:

- IoT Hardware Providers, Service Providers (AI/ML in the cloud), anyone requiring data processing of sensitive or critical data, Cloud management/providers
- Medical, automotive data processing (good case study), Satellite/Critical Communications/Edge Technologies, or, anyone with strict confidentiality, privacy and sovereignty requirements for their data processing and collection, even safety-critical systems

Contact Info

For more information and for interest to participate please contact:



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Presentation available via:



Join Consortium Building Session

15th of March 13-13.30 CET

[join here](#)



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