



CELTIC-NEXT Proposers Day

23rd of September 2021, Online via WebEx

Pitch of the Project Proposal

**Collective intelligence supported by
security-aware network nodes
(CISSANN)**



JYVÄSKYLÄN YLIOPISTO
UNIVERSITY OF JYVÄSKYLÄ

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Teaser



What is the main benefit of the idea/proposal?

- Complicated security algorithms also for resource constrained devices and systems

What makes the added value?

- Autonomous collective intelligence

Why should I participate in the project?

- Networking with consortium partners
- Proof of platform concept.



Organisation Profile



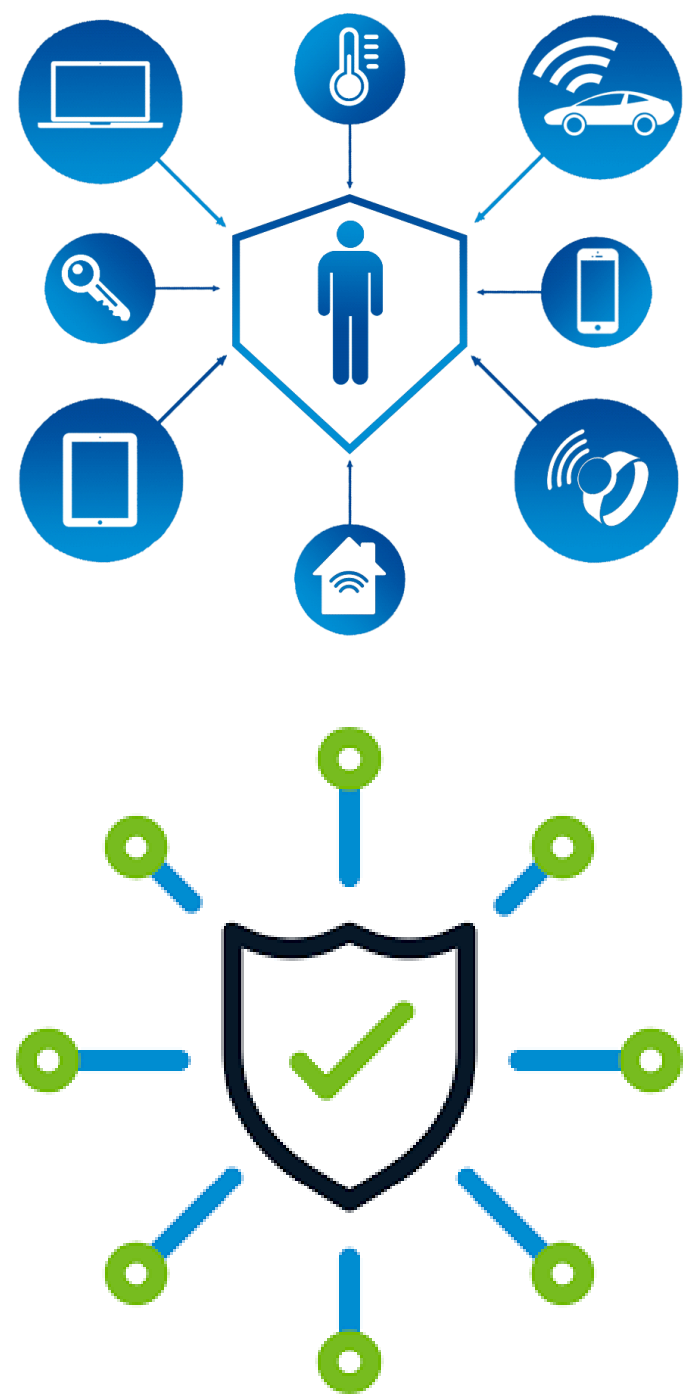
University of Jyväskylä is a research university in Jyväskylä, Finland. The university has 14,000 students and 2,600 employees. It consists of seven faculties, including *technology and information science*.



Proposal

Introduction

Background



- Proliferation of the Internet of Things (IoT) has changed how application environments, including homes, offices, smart buildings or smart grids, are being used and operated.
- There is a growing security need to support IoT systems, since IoT devices are prone to malicious threats due to the technical constraints of IoT, where conventional security practices cannot be used.

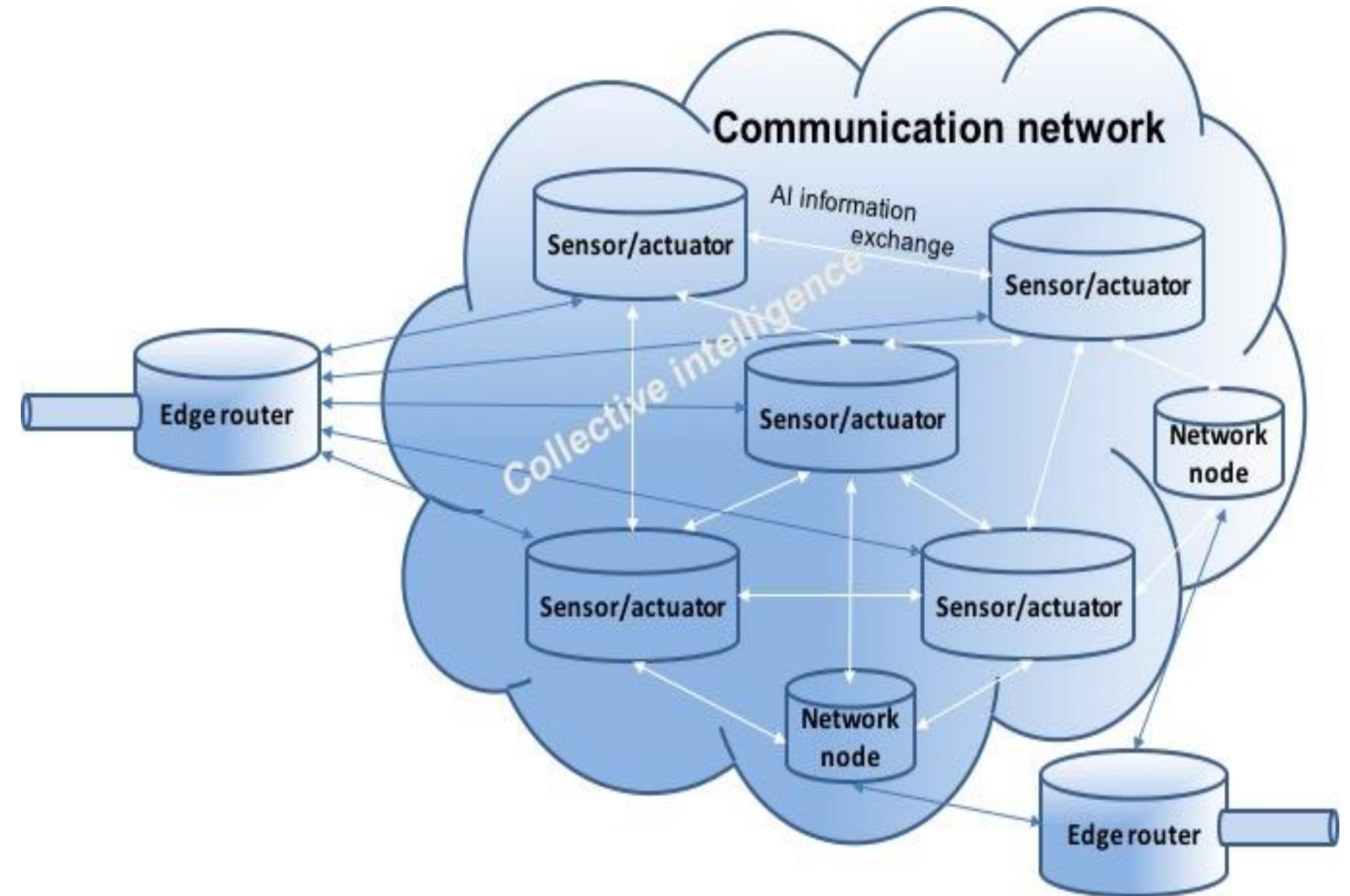
Proposal

Introduction

Vision: Build collective intelligence to the network by the smart network nodes at the same time when it enables a rich, diverse and wide ecosystem.

Motivation: Step up cyber security for resource constrained networks, including IoT.

Content: Harness the synergetic potential of the networks, to be drawn from resource constrained nodes.

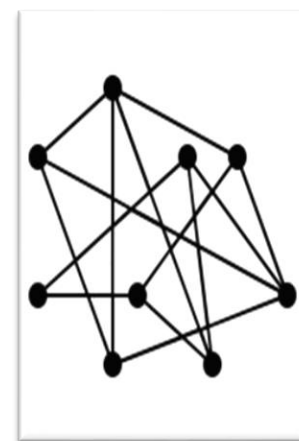


Proposal

Introduction

Expected outcome, impacts, schedule

- Project Duration: 36 months, starting 6/2022



Novel validated distributed security solutions



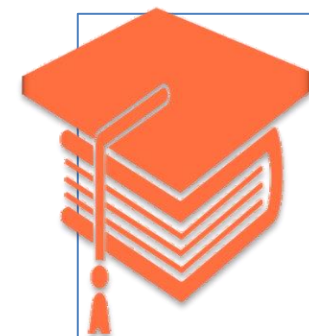
Reliable and resilient IoT platform



Enhanced security



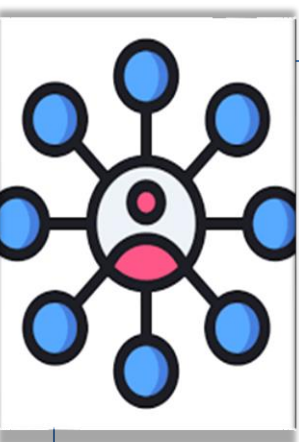
Business models



Publications



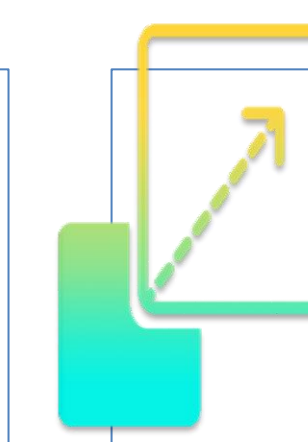
Visibility



Networking



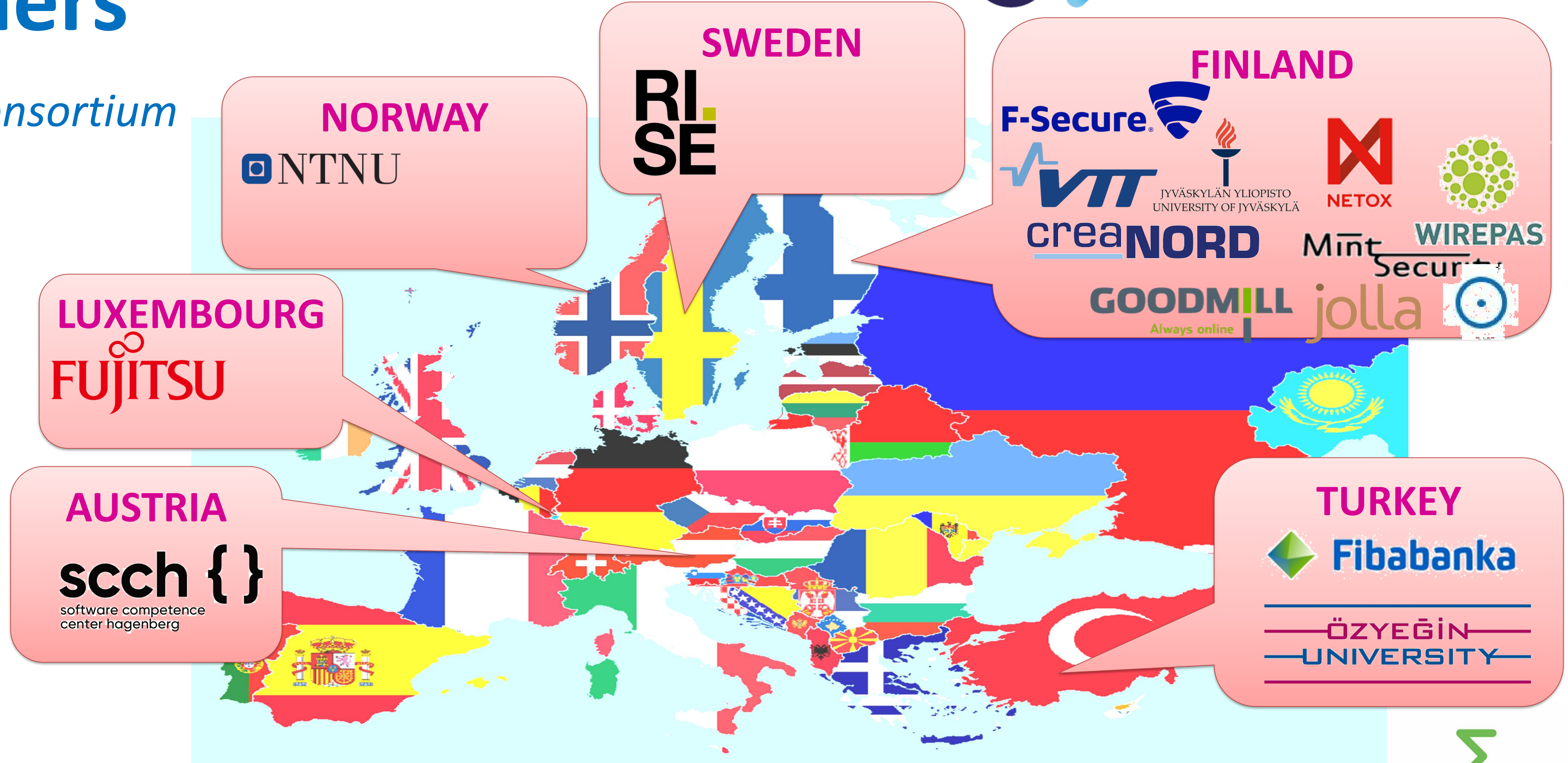
Standardization



Scalability

Partners

Existing consortium

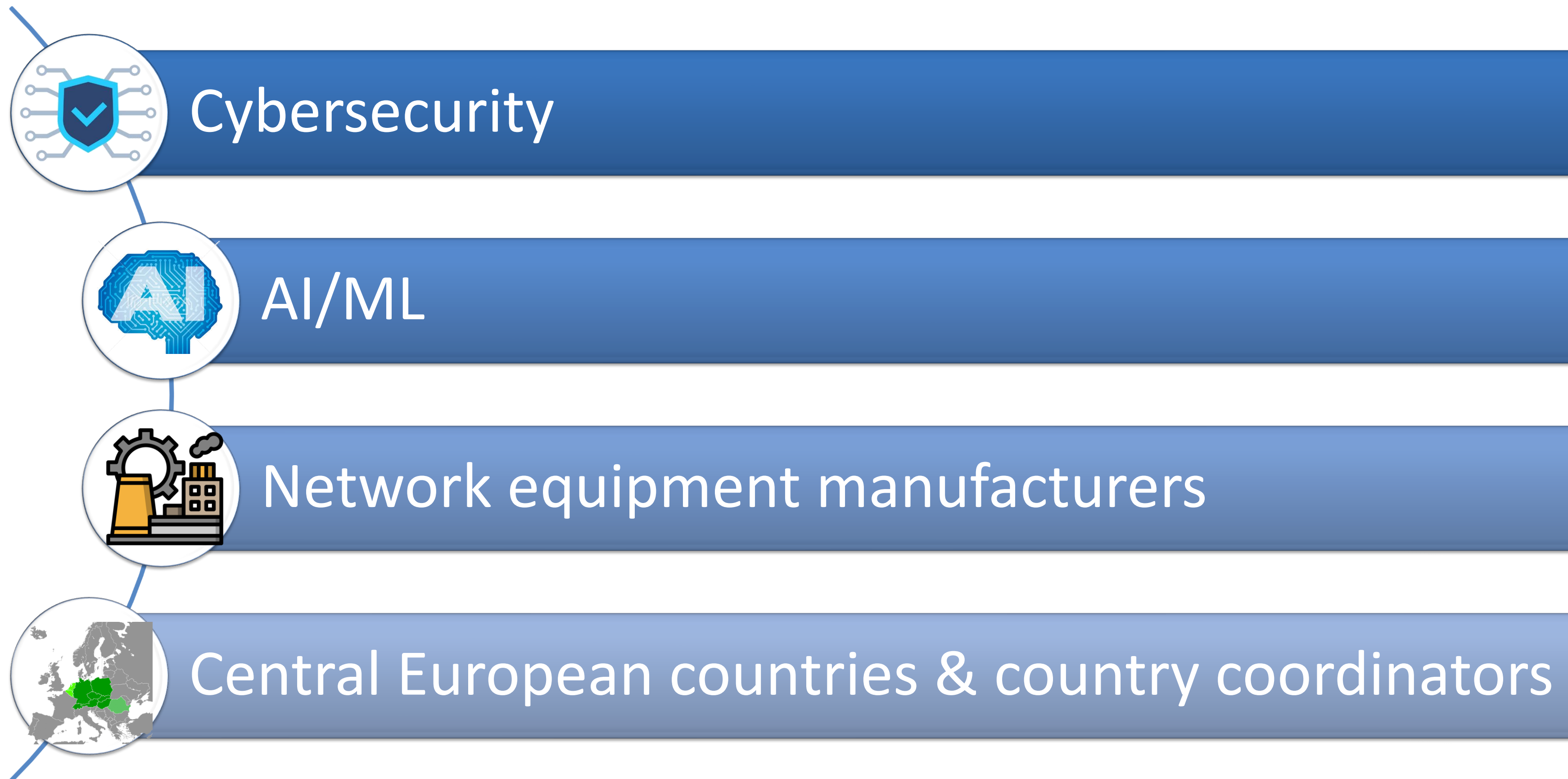


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Partners

Expertise, profiles and types of partners we are looking for



Consortium Building Session



In the last week of September we will schedule a follow-up telco for your new project idea. Please fill in your availability as soon as possible but at the latest by 18th of September.

This session will be announced at the Proposers Day to the audience for you.

<https://polls.eurescom.eu/IfR0E8QbFg/>

Contact Info



**For more information and for interest to participate,
please contact:**

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Presentation available via:



24th September 09.00 CET

Join the follow-up Telco

[Join meeting](#)

Join by meeting number

Meeting number (access code): 175 208 0705

Meeting password: MfVuQqJX389

Join by phone

+49-6196-7819736 Germany Toll

[Can't join the meeting?](#)

