6G Flagship ECOSYSTEM COLLABORATION

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6G Flagship Enabling next generation solutions

Fast wireless technologies disrupt businesses

- THz radios
  - Sensing system
  - Machine vision
  - Preference analytics

- Wireless AI
  - Machine vision
  - Preference analytics

- Cyber security
  - Machine vision
  - Preference analytics

- Augmented UX
  - Multi-radio
  - Sensor mesh
  - Swarm AI

- Smart sensors
  - Sensor mesh
  - Swarm AI

- IoT systems
  - Sensor mesh
  - Swarm AI

- Local processing
  - Sensor mesh
  - Swarm AI

Requires
- Real-time data
- Edge processing
- Process AI
- Edge analytics
- Wireless sensing
- Machine learning

Automated Factories
- Sensor
- Radio
- Cloud

Personal Experiences
- Sensor
- Radio
- Security

Automated Vehicles
- Sensor
- Radio
- Swarm

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6G Flagship ecosystem work is based on **mutual ROI**

**Key targets for the ecosystem**
- Accelerated "science-to-product" focus
- Project portfolio of 250M€ within 8 years time
- Productive projects - ROI target 20:1 - opportunity of 5Mrd€!
- **Addressing vertical businesses is a priority**

**Benefits for commercial partners**
- Investment levels tuned to offer faster ROI
- Funding services established to help
- Partnering and sharing taken to new levels
- Tailored and generic project opportunities
- **New businesses and channels are the priority**

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Ecosystem offers many benefits to partners

- **Insight to future**: Continuous view to what comes next
- **Access to resources**: Spice up your product creation
- **Discover partners**: Use funding & partner opportunities
- **RDI agenda**: Get your priorities heard & solved
- **Brand usage**: Get your company a high-tech label
Offering for companies

**Brand usage**
- **6G Affiliate**
- **6G Pioneer**
- **6G Co-creator**

**RDI agenda**
- Interested in 5G/6G technologies

**Finding partners**
- Preparing to develop/developing products/components/applications/etc... with 5G/6G technologies
- Strategic partners with seat in advisory board

**Access to resources**

**Insight to future**

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Industrial Collaborators
- Continuous interaction with different companies locally, nationally and globally

Public Private Partnership/Entrepreneurship
- Business Oulu, Business Finland...

Infrastructure and Trials
- 5GTN

Co-Operation Programmes
- Allied ICT Finland – AIF

Strategic Partner Country Co-operation
- Bilateral international research programmes with countries, such as USA, Brazil, China, Japan and South Korea.

Standardisation, Regulation and Governance
- Direct impact on international standardisation forums; IEEE Working Group 802.15 and the ETSI SmartBAN,
6G Flagship Ecosystem

Research
ICT companies
Non-ICT companies

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Flagship Ecosystem Contacts

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- **Ari** Pouttu, Portfolio, Collaboration projects
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