6G Platform Germany

Platform for Future Communication Technologies and 6G

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6G Platform Germany

German 6G Program

- 6G program announced in April 2021
- Four Research Hubs
  - *250 Meuro, August 2021 – July 2025*
- 6G Platform
  - *Umbrella organisation for German 6G program*
  - *Responsible for EU and international collaborations, liaisons with vertical industry associations*
- AI-NET, 2021 - 2024
- 6G Industry Projects, 2022 - 2025
- Projects on Resilience, 2022 - 2025

6G Platform Germany

Our Mission

- Networking platform for 6G program
- Harmonisation of concepts and results for joint dissemination
- Creating an innovation network with SMEs and start-ups
- Ensuring acceptance of concepts in society by a bidirectional science communication process
- Creating a skilled worker force
- Creating harmonized German contributions to UN SDGs
- Managing liaisons with other 6G programs
- Increasing the visibility of the German 6G program
- Supporting competitiveness of German industry

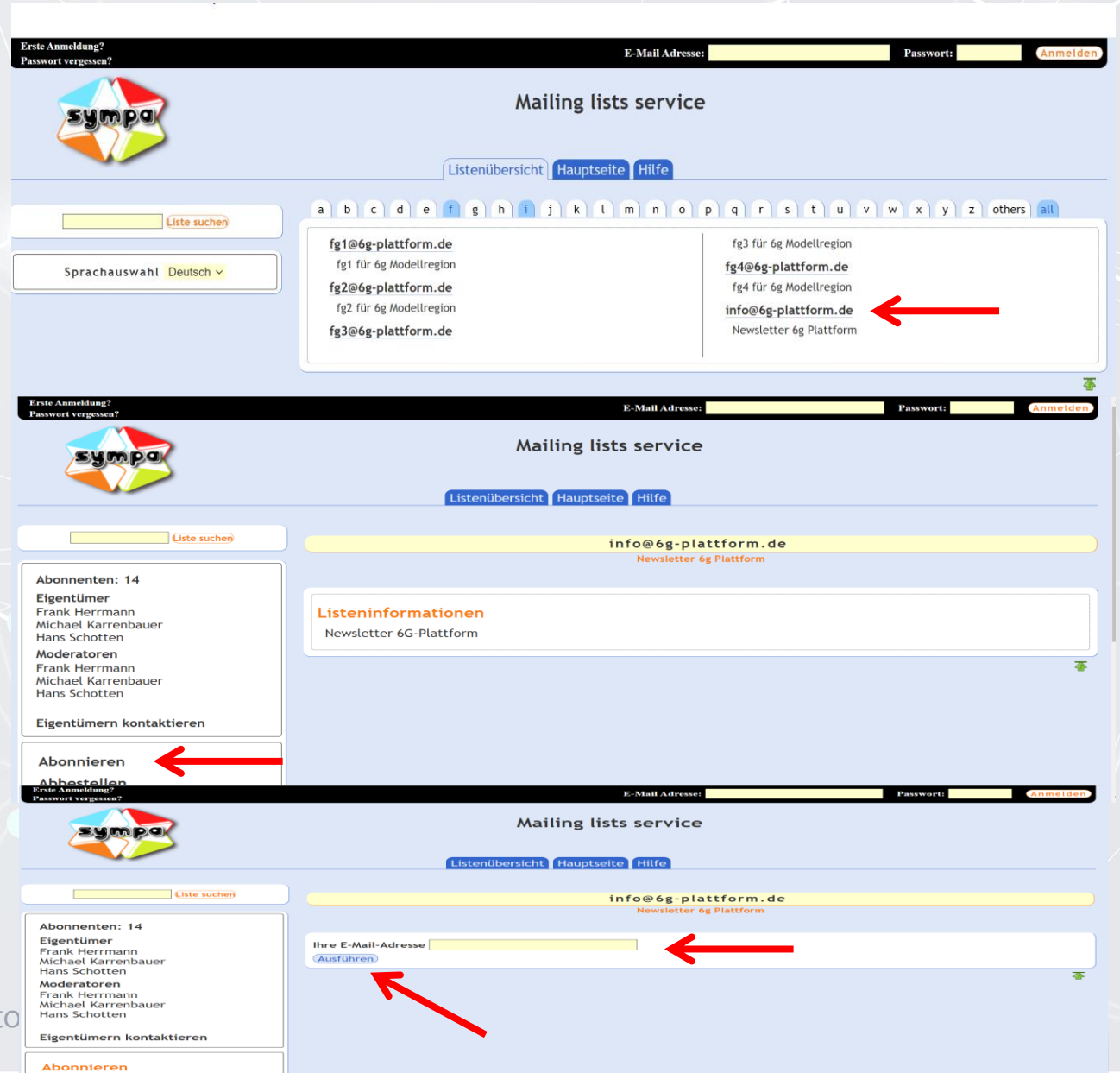
6G Platform Germany
Working Groups

Working Group	Name	Scope and Deliverables (always based on contributions of participating projects)
1	Science Communications (BI, TUK)	Management of program communication, liaisons, events, and bidirectional science communication; dissemination. Deliverables: video clips, newsletter, webinars, lecture series, background discussions, panels, … .
2	Sustainability and Contributions to UN SDGs (FhG IIS, UB)	Harmonisation of evaluation methodology and concepts for energy-efficiency, coverage of rural areas, electromagnetic exposition, … and other issues of societal relevance, harmonisation of contributions to UN SDGs; Deliverables: White Papers, scientific papers, content for science communications, joint contributions to regulatory processes, …
3	Innovation Management (TUD, DFKI)	Promoting start-ups, networking of start-ups with industry, creating visibility for start-ups, support of start-ups, identification of key concepts, SME support, Education program, supporting teaching, …
4	Vision, Use Cases, Smart City, Mobility, Campus (FAU, TUB, ifak)	Liaison with OT industry, analysis and harmonisation of use case requirements, vision building, … Deliverable: content for Science Communication (video clips), White Papers, contributions to fora, …
5	Security and Resilience by Design, Trustworthiness (TUK, BI, TUD)	Liaisons with relevant partners (BSI, ZITIS), harmonisation of concepts contributed by projects, evaluation methodology, definition of metrics and tools for evaluation (network digital twin, …); Deliverables: White papers, joint contributions to fora, Science Communications, …
6	…	…

News on 6G Platform and German 6G Program

Subscription to
- Newsletter,
- announcements of public events,
- information about White Papers and
- other program deliverables.

Subscription via: https://lists.uni-kl.de/6g/lists
Subscribe to info@6g-platform.de



Open6GHub
6G für Mensch, Umwelt und Gesellschaft

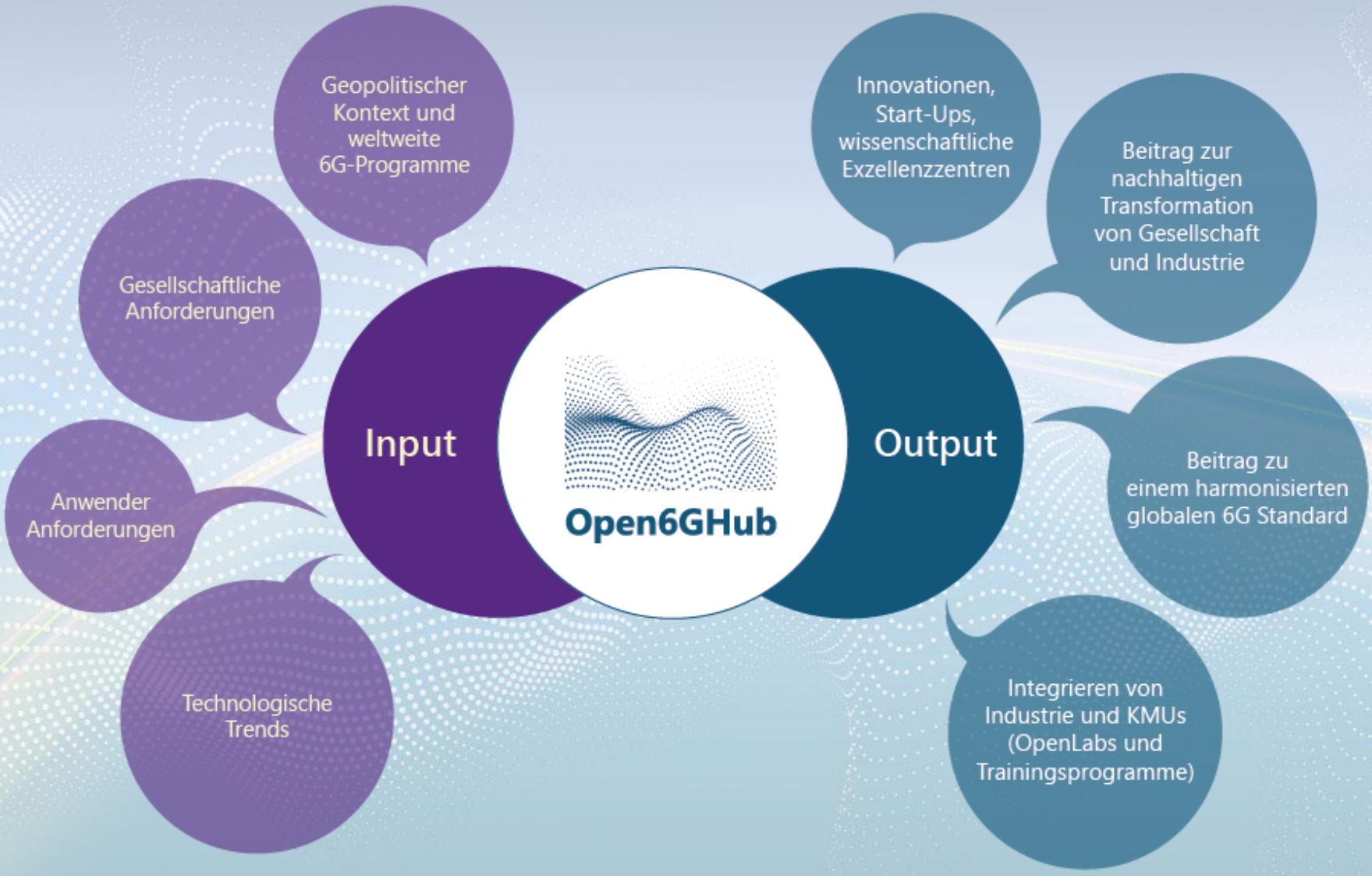
6G als Grundlage einer hochvernetzten Wirtschaft und Gesellschaft

Christoph Lipps und Hans Dieter Schotten

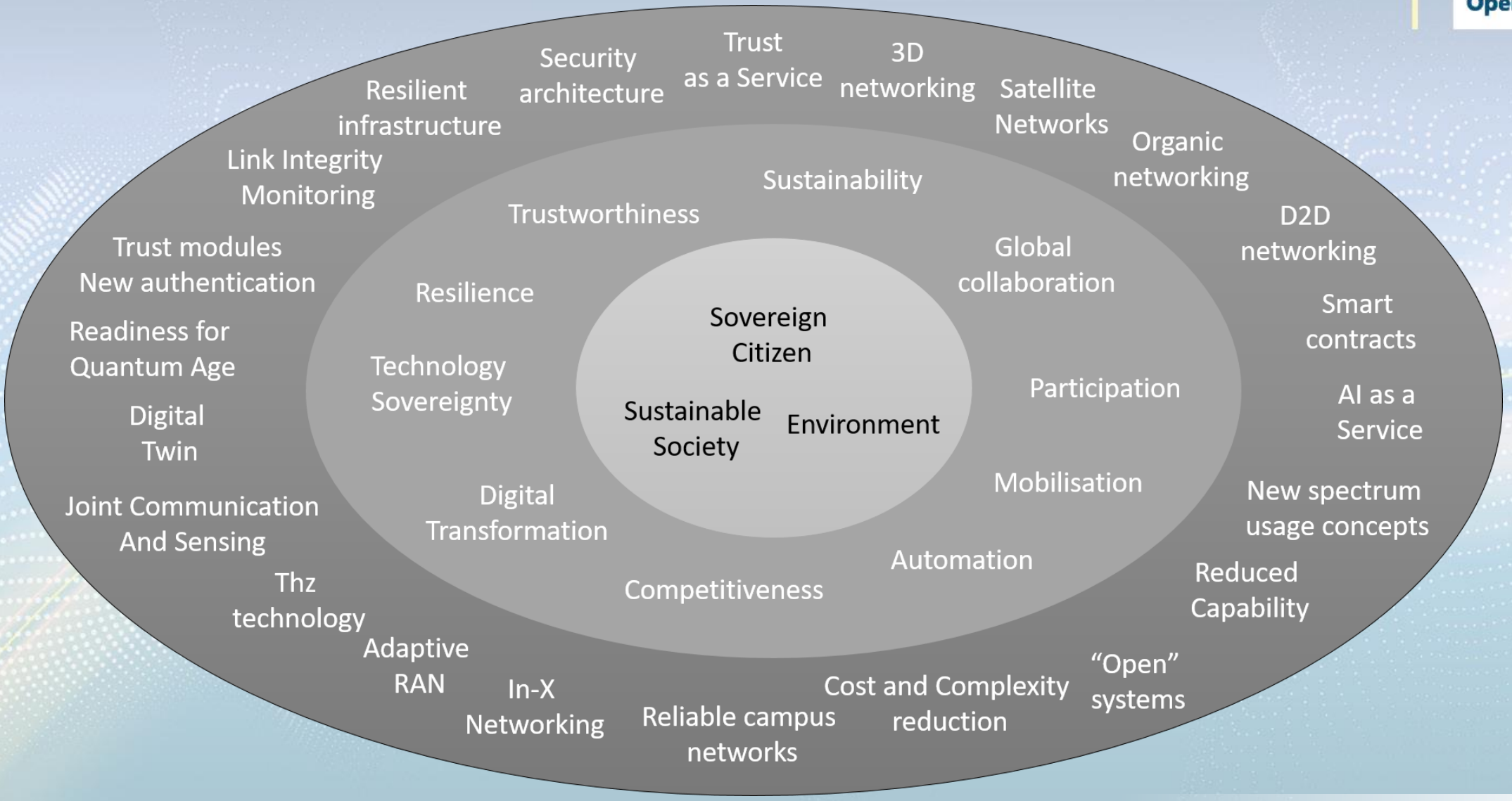
Gefördert vom Bundesministerium für Bildung und Forschung

- 6G Research Hub „Open6GHub“ - 6G for Citizen, Environment and Society
- Funded by the German Ministry of Education and Research (BMBF)
- Project duration: 2021 – 2025
- Coordinator: DFKI (Prof. Hans Schotten)
- Consoritum of 47 research groups from eleven universities and six research institutes

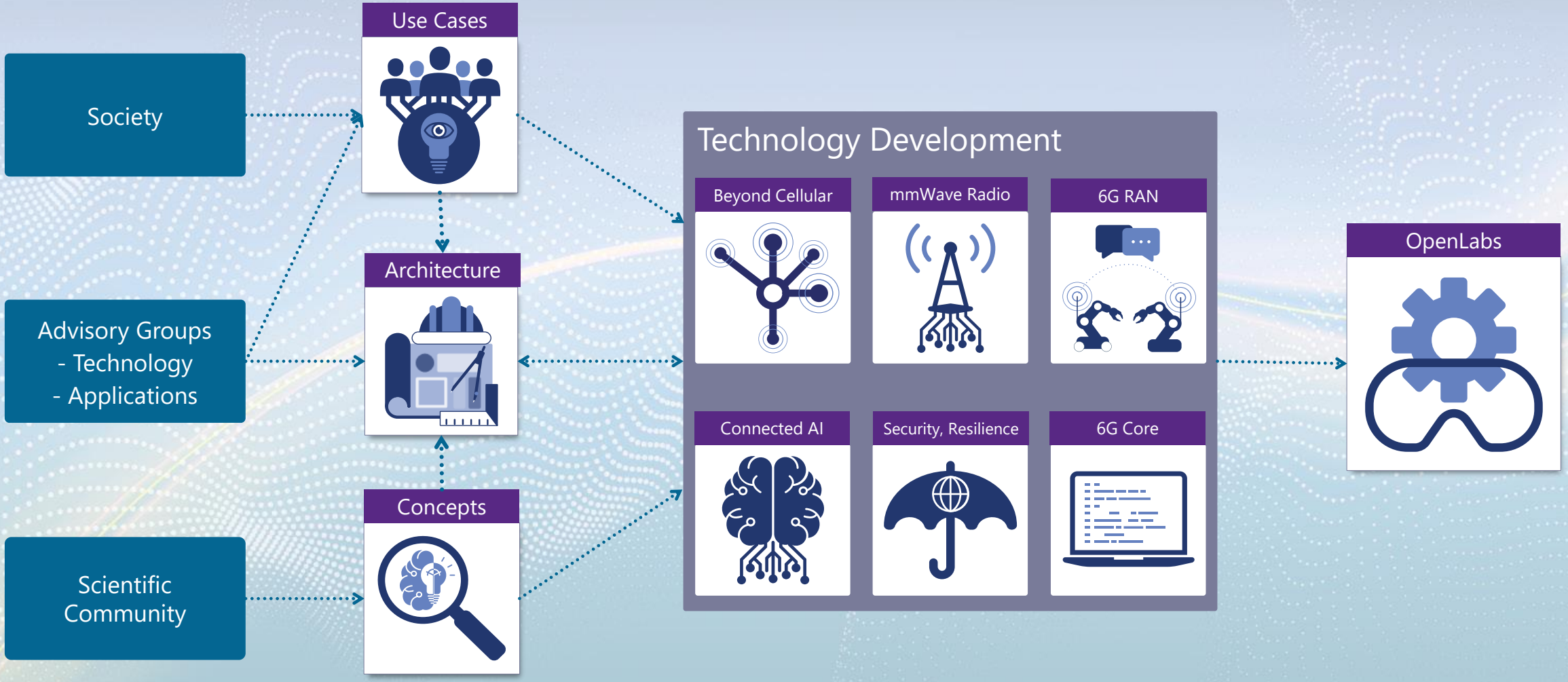
Project Logic
Input and Output



Positionining
Vision, Goals, and Enablers



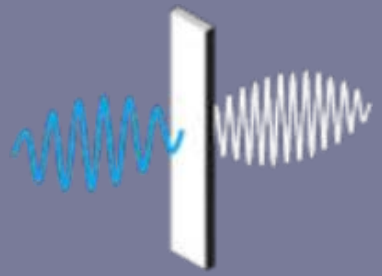
Project Structure
Work Flow



6G as Catalyst for Physical Layer Security

Reconfigurable Intelligent Surfaces

(sub)THz communication



Wireless Optical Communication

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