



AALIANCE2

**European Next Generation
Ambient Assisted Living
Innovation Alliance**

Interactive Session Prioritization

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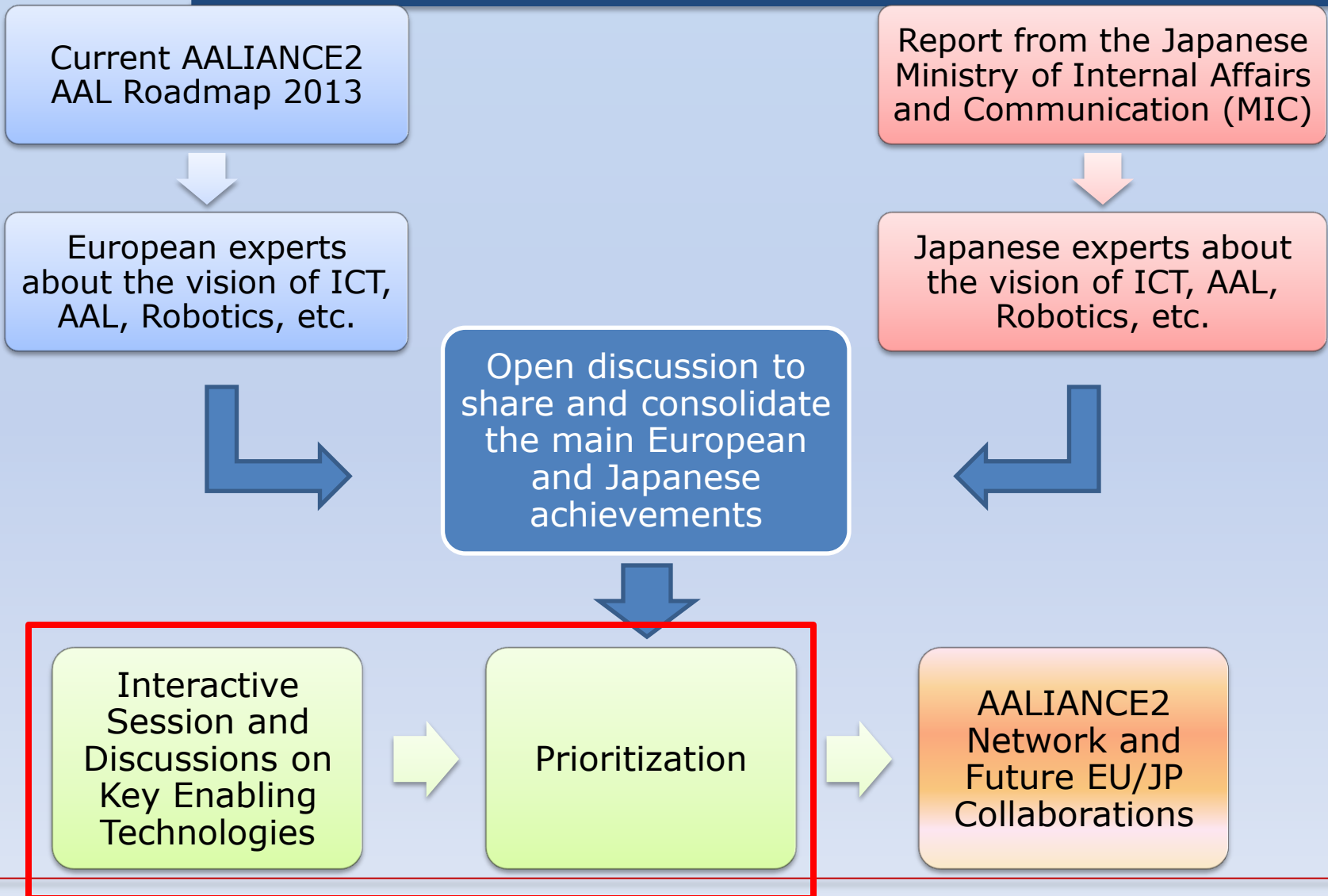
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Workshop Methodology



Work on KETs

Interactive Session
and Discussions on
Key Enabling
Technologies



Prioritization

Analysis of the KETs and identification of the main S/T challenges

- Sensing
- Reasoning
- Acting
- Interacting
- Communicating

Scheduling of the Research Priorities in:

- Short Term (<2020)
- Mid Term (<2025)
- Long Term (<2030)

Scientific And Technological Challenges

- Innovative wireless protocols able to manage a multitude of Agents (IoT), that usually move in several environments
 - Multi ecology systems able to leave and access to distributed networks
- Several agents distributed in the environment require high bandwidth because of the huge amount of shared data
 - From 3G to LTE, 4G (1Gb/s)
 - Compression of data (as for Audio MP3)

Prioritization (Example)

COMMUNICATING (2)

TECHNOLOGIES	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Cloud services																							
Broadband																							
Telecare products																							
Telemaintenance																							
Open gateways																							
Future Internet																							

Technological GAPS

	<ul style="list-style-type: none"> From 3G to LTE, 4G (1Gb/s) Compression of data (as for Audio MP3) 	
<ul style="list-style-type: none"> Wireless infrastructures available everywhere 	<ul style="list-style-type: none"> Innovative wireless protocols for a multitude of Agents 	

Questions

- Based in your experience, what are possible technological challenges in the field of Ambient Assisted Living that allow addressing societal changes and needs?
- HMI are crucial for a significant acceptability of technologies; what is the most challenging innovation in HMI?
- What are the barriers to develop robust AmI Infrastructures with high level capabilities of context awareness, prediction and learning?

Questions

- What are the most important S/T challenges to have a Personalized Robot Companion for all?
- What disruptive innovations could really allow domiciliary hospital services?
- What about “invisible technology” in a digital future?

AAL map between EU and Japan(MIC)

