



European commission support to IoT standardisation

Standardisation: gaps, citiverse and digital twins, dataspace,
continuum

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EC Standardisation – instruments

- Standards and interoperability very important for European Commission
- Rolling plan for ICT standardisation
 - Multistakeholder platform
 - Chapters on IoT, Cloud and Edge computing, Smart grids, etc.
- Annual Union Work Programme
 - Action grants
 - SAREF extensions
 - SAREF European Norm and digital twins
 - Selection for a new action grant - Enabling standardized interoperability and access to data in IoT Edge and swarm computing environments – evaluation completed

European projects and standardisation

- Standardisation is integral part of EU projects in Horizon Europe, DIGITAL Europe, Connecting Europe Facility – scope and outcomes
- EU projects cover all relevant areas e.g. preparation and deployment for data spaces, digital twins, large scale IoT pilots, edge computing (MetaOS, swarms), continuum, AI-IoT edge, Operational Digital Platforms, etc.
- Projects engage with and contribute to major SDOs
- Initiatives for combined input from (clusters of) EU projects e.g. a workshop at the ISO/IEC JTC 1 SC41 in May (Workshop on data spaces, digital twins, and the cloud-edge continuum) and common representation by project ICOS
- Other instruments – studies, procurement, etc.
- Active support and collaboration with stakeholder groups such as AIOTI

More initiatives and support

- European Code of Conduct on Smart Appliances
- European Norm standards
- Digital Commissioner Mission letter – “You will work to promote EU digital norms and standards internationally...”
- Competitiveness report by Mario Draghi
 - Investments in state-of-the-art high-speed, low-latency IoT/M2M, edge and AI
 - Opening the network capabilities/services to third parties via standardised APIs
 - Edge computing as an alternative to connecting to the remote cloud (Data localization, Highly automated high-performance low-latency industrial IoT steered by AI, Double down on the Digital Decade goal of 10,000 edge nodes by 2030)
 - Underpin leadership in strategic areas (e.g. edge computing, network API standardisation, IoT and other M2M business services)
 - Support EU-based providers of equipment and software (e.g. in customer-facing edge cloud solutions)
 - Coordinate technical standards for edge computing, network APIs, and IoT at the EU level
- EC support e.g. participation in ETSI IoT week, JTC1 SC41 meetings, etc.

Upcoming events

- Enhancing IoT Semantic Interoperability by SAREF for Digital Twins – 26 September 2024
- Workshop on Cross-Domain Standardisation and Architecture for IoT and Edge Computing – 26 and 27 November 2014
- Venue: Conference centre Albert Borschette, Brussels

Thank you



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