

Leadership in Digital Platforms



1. Stocktaking

- report from 21st October meeting
- Inputs received

2. Next-generation platforms

- elaborate, develop further ideas/concepts

3. Supporting initiatives

- What kind of large scale federating initiatives are needed?
- What platforms to be tested and demonstrated in large-scale pilots?

4. Action plan

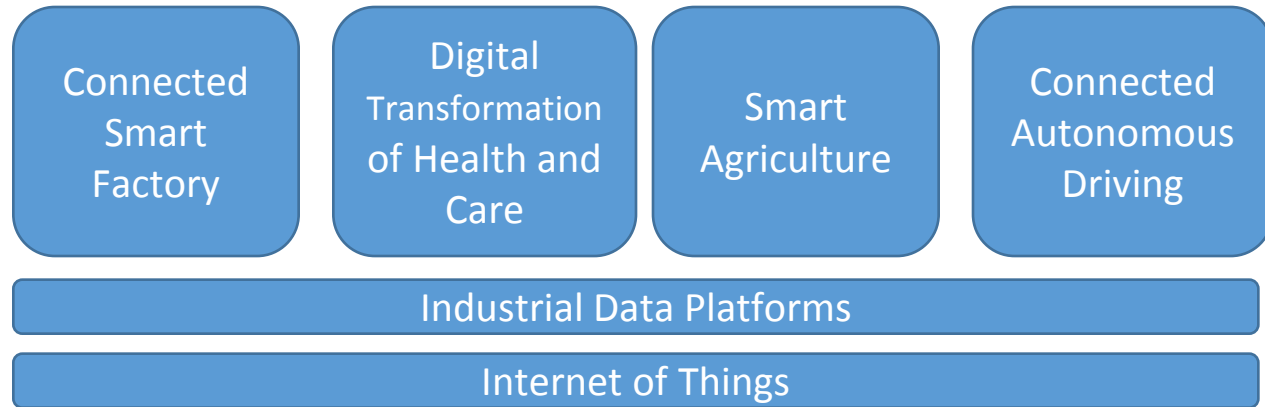
- Needed actions
- Contribution from the MSs
- Links with national initiatives



WG 2: "Strengthening leadership in digital technologies and in digital industrial platforms across value chains in all sectors of the economy"

- There are large, but **fragmented research efforts** in key digital technology fields and in their full integration in industry sectors.
- WG2 to define a plan for better coordination and increased efforts.

Six sub-groups:



Structure of the IoT Subgroup report:

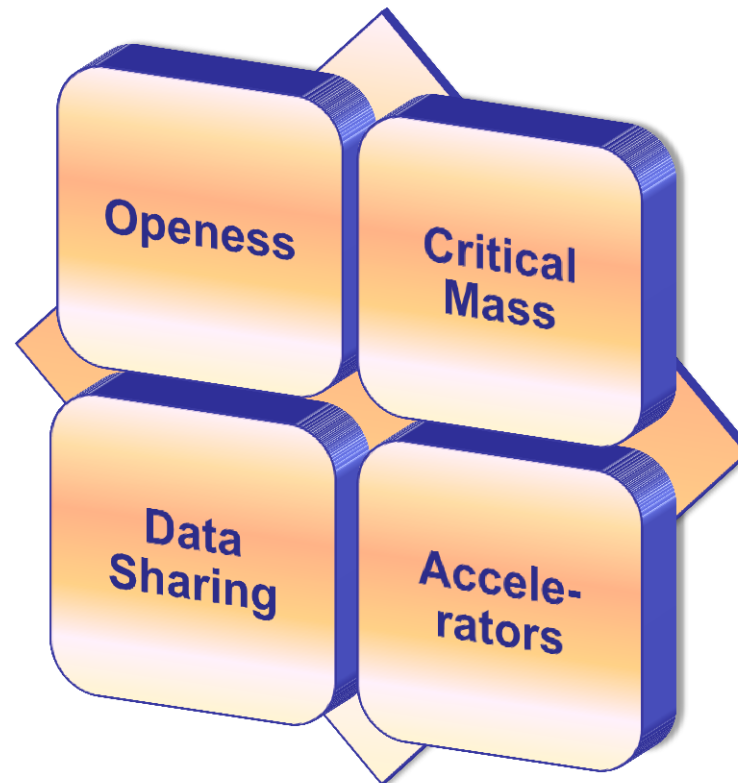
1. Current landscape
2. Vision: where to go
3. Bridging the gap
4. Main stakeholders to be involved

Next generation platforms – key areas

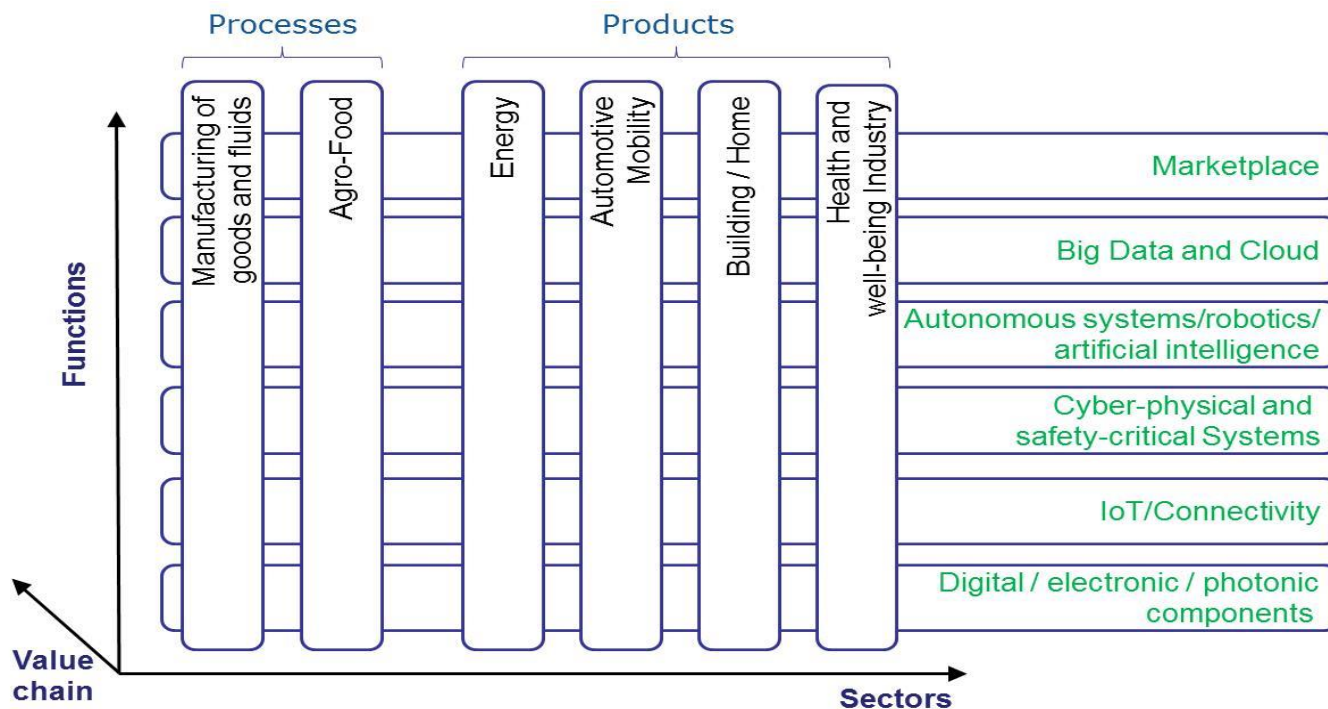
- **Pilot supporting platform building – connecting regional and national initiatives**
 - Actions needed between MSs and coordination across PPPs
 - Convergence needed
 - Driven by market pull
 - Challenge: platform development driven by different sectors
 - Horizontal approach needed for convergence of IoT platforms
- **Creating open platforms**
 - Avoid vendor lock-in
 - Open platforms addressing several setors
- **Promotion of Standards**
 - Address interoperability between platforms (semantics)
 - Focus on convergence of standards rather than new ones.
 - Large scale pilots to validate emerging standards
 - Influence at international level (oneM2M, W3C)
- **Promotion Industrial partnership**
 - To accelerate market up-take
 - Promote consensus on platform up-scaling (role of AIOTI)
- **Supporting Large scale experiemental facilities**
 - To promote acceptance and prove of platforms
 - Demonstrate std, architectures and platforms
 - Get SMEs and Start-up involved (new busines models)

Industrial IOT Platforms Strategy

- >> "Whoever controls the platforms will rule the future" >>
- What strategy for European actors / markets / regulators?



- Target
 - Integration Platforms adressing cross-sector challenges
- The challenge
 - Which sectors for IoT to cut across
 - Key elements of a platform



- R1: Better co-ordinate strategy at national, EU and industry levels to address interoperability issues
 - Definition of common interfaces and data format
 - Consensus in industry (involved AIOTI)
 - EU approach to standards / Partnership with Industry
- R2: Needed actions for an open, integration platform addressing cross-sector challenges
 - Discuss with MS to promote open platforms in their respective programmes
 - **Mobilise SMEs and developer communities**
- R3: IoT fragmentation of platforms requires a coherent support for convergence at EU level
 - Call for large scale demonstrators/pilots showing the benefits of and cross cutting IoT platforms
 - **Tackle FRAGMENTATION** and put puzzles together
 - Proposed topics in WP2018-20

- R4: Call for NATIONAL IoT Strategies
 - address the lack of awareness of existing initiatives
 - Discuss best practice / experience from e.g. UK, FR, DE
 - Identify and **connect testbeds in a complex policy context**
 - Identify large pilot projects in areas like farming, energy, health, ageing well – Industrie 4.0, Health 4.0, Farming 4.0, Energy 4.0 ...
 - Coordinate with regional and national policy actors
e.g. IoT standardisation & I40 standardisation council
- R5: address measures to achieve horizontal coordination for Federated platforms
 - Clarify/improve the role of JTI ~ECSEL/EURECA in building platforms
 - Link existing alliances like AIOTI to lighthouse projects in MS or the JTI
 - Support validation and access to emerging IoT platforms in national /European pilots – e.g. FIWARE, CRYSTAL in nat'l calls