Presentation of the OPEN DEI initiative

AIOTI | Carmen Polcaro, Innovalia Association
Agenda

01 OPEN DEI overview and approach
02 OPEN DEI Ecosystem
03 OPEN DEI Working groups and Task forces
04 Task Force 2: Digital Transformation Business Ecosystem
05 DIH4Industry
OPEN DEI: DEI Focus Area Cooperation with multi-sector LSPs

“The DEI strategy has to continue to ensure reinforcing the EU’s competitiveness in digital technologies so that any industry in Europe, big or small, wherever situated and in any sector can fully benefit from digital innovations to upgrade its products, improve its processes and adapt its business models to the digital change”

Mariya Gabriel, former Commissioner for Digital Economy and Society

OPEN DEI is a H2020 Coordination and Support Action

Start Date: June 2019
Duration: 36 Months
Consortium: 9 Beneficiaries
Coordinator: IDC (Giorgio Micheletti)
OPEN DEI: A bit of History

- **The DEI Communication on April 2016**: The purpose of this Communication is to reinforce the EU's competitiveness in **digital technologies** and to ensure that **every industry in Europe, in whichever sector, wherever situated, and no matter of what size can fully benefit from digital innovations**.

- Materializing DEI in concrete actions **working groups**: Partnerships, DIHs & Skills, Platforms & Standards
OPEN DEI four-fold Approach

- Digital Platforms Federation
  - Platforms
    - Interoperability
    - Reference Architectures
  - Dissemination
    - Communication
    - Focus Area
    - National / Regional
  - Facilitating Standardization
  - Future worldwide Standards

- Large Scale Piloting
  - Labs and Testbeds
  - Large Scale Pilots Observatory

- Ecosystem Building
  - Development of Ecosystems

- Entrepreneurs
  - SMEs

OPENDEI Webinar sessions – Joining forces to build a common European data space
The OPEN DEI Ecosystem: 4 domains, 26+ Projects

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MANUFACTURING: Three LSPs in 2019, new 3 LSPs in 2020 and 1 CSA (Connected Factories 2 Dec 2019) form our ecosystem. Support to an existing DMP cluster since beg. 2019. Strong link with DIH projects (DT-ICT-01, 02, 03). 7+ projects (DT-ICT-07)

AGRIFOOD: Two LSPs ATLAS and DEMETER (DT-ICT-08) integrated in our ecosystem, joint cluster with pre-existing projects, in particular the IoF2020 IoT LSP, SmartAgriHubs and AgROBOFood (DT-ICT-02). 5+ projects (DT-ICT-08 and waiting for DT-ICT-09)

ENERGY: DT-ICT-10 INTERCONNECT integrated since September 2019. Three new Big Data LSPs joining (DT-ICT-11). Joint cluster BRIDGE with pre-existing projects such CoordiNet, INTERFACE and PlatOne. 7+ projects (DT-ICT-10 and DT-ICT-11)

HEALTH & CARE: DT-ICT-12 just opened the call (Hospital of the future). Leveraging on existing LSP (Activage) and other projects of the cluster, some of them from DG SANTE. 7+ projects (waiting for DT-ICT-12)
## Activities by Domain: Working Group

### Manufacturing domain
- i. Standardisation
- ii. Dissemination
- iii. Scientific and Socio-Economic Impact
- iv. Experiments (Open Calls)
- v. Platforms and Architecture

**Ambassador:** Carmen Polcaro (Innovalia)

### Agri-Food domain
- i. Interoperability and Standardisation
- ii. Use Cases
- iii. Communication and Dissemination
- iv. Tools and methods

**Ambassador:** Marianna Faraldi (Tecnoalimenti S.C.p.A)

### Health & Care domain
- i. Dissemination
- ii. Use cases
- iii. KPIs
- iv. Technical Topics
- v. GDPR implementation

**Ambassador:** Luc Nicolas (EHTEL)

### Energy domain
- i. Use Cases
- ii. Data / Shared infrastructures
- iii. Linking Eco-systems
- iv. Technical Topics

**Ambassador:** Alberto Dognini (RWTH)
Open a debate and collaborative work environment among cross-domain IAs where OPEN DEI could validate its original knowledge assets (Platform, Pilots, Ecosystem, Standards) in close co-operation with the representatives of the four domains.

Activities cross Domains: Task Forces

**Cross-domain Tasks Forces**

- **Digital Transformation Data Sharing Spaces**
  - Coordinator: IDSA

- **Digital Transformation Business Ecosystem**
  - Coordinator: Innovaia

- **Digital Transformation Digital Platforms & Pilots**
  - Coordinator: Atos

- **Digital Transformation Performance Indicators**
  - Coordinator: IDC
Toward DT Business Ecosystem

VISION

- Defining pathways for cross domain ecosystem building, identify barriers, scenarios and incentives
- Design a collaborative strategy for a seamless interaction of DIHs with Digital Platforms and Large Scale Pilots across the DT ecosystem

MISSION

- Issue a position paper: “Digital platforms, Large Scale pilots and DIHs: joining forces towards data driven digital transformation”
Toward DT Business Ecosystem

**DISCUSSION TOPICS**

- The stakeholders and their role inside the ecosystem
- What are the main barriers in ecosystem building
- How to avoid the “pilot purgatory” for LSP?
- How can we join forces to reach SMEs and ensure a data driven Digital Transformation?
Toward DT Business Ecosystem

1ST MEETING: FEBRUARY 5TH 2021

Agenda

• Presentation of the task force.
• Structure and TOC of the position paper.
• Assigning responsibilities
• Planning of the task force.
• Next steps
The EU Network of DIHs in the Manufacturing domain!

Many R&I initiatives (e.g. MIDIH, AI REGIO, DIH4CPS, DIH2, HUBCAP, I4MS CSA, SAE CSA) will join providing and sharing services and knowledge for DIHs acting in the Digital Industry area.
Skills Assets and Services

Technology Assets and Services

Business Assets and Services

Data Value Chain Assets and Services

Ecosystem Assets and Services
For More Information

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