

15 - 16 NOV. 2022

EUROPEAN PARTNERSHIPS STAKEHOLDER Forum

BLUE POINT | BRUSSELS

15 NOVEMBER 2022

16:30 – 18.00

SESSION A2 DIGITAL TRANSITION



Session A2/1 – Digital transition Microelectronics

MODERATOR: PEKKA SIVONEN
BETTER OUTLOOK ADVISERS

SPEAKERS:

ISABEL OBIETA
EUROPEAN COMMISSION, EIC/EISMEA

YVES GIGASE
KDT/CHIPS JU

MIKKO MERIMAA
EURAMET

• 16:30 – 17.15

Session A2/2 – Digital transition AI-Robotics-Data

MODERATOR: PEKKA SIVONEN

BETTER OUTLOOK ADVISERS

SPEAKERS:

EVANGELIA MARKIDOU

EUROPEAN COMMISSION, DG CNCT

RIIKKA VIRKKUNEN

MADE IN EUROPE

TROND BAKKEN

SINTEF - SESAR

• 17.20 – 18.00



**EUROPEAN PARTNERSHIPS
STAKEHOLDERS FORUM**

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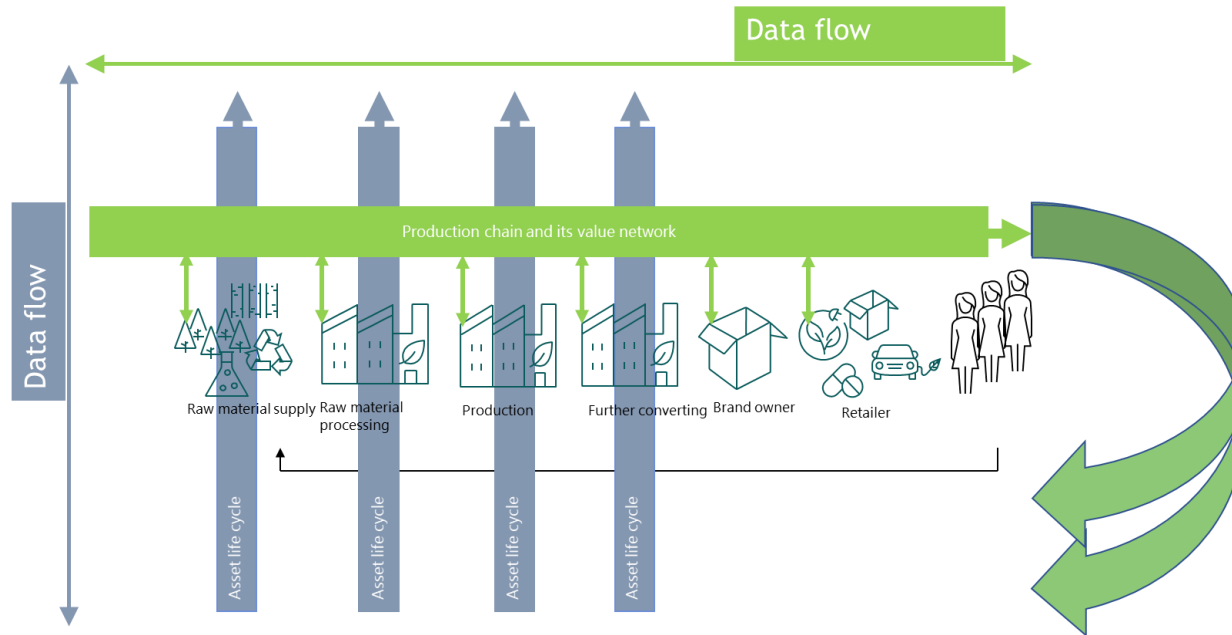
DIGITAL TRANSITION AI & ROBOTICS & DATA: MADE IN EUROPE PERSPECTIVES

NOVEMBER 15TH 17:20 – 18:00

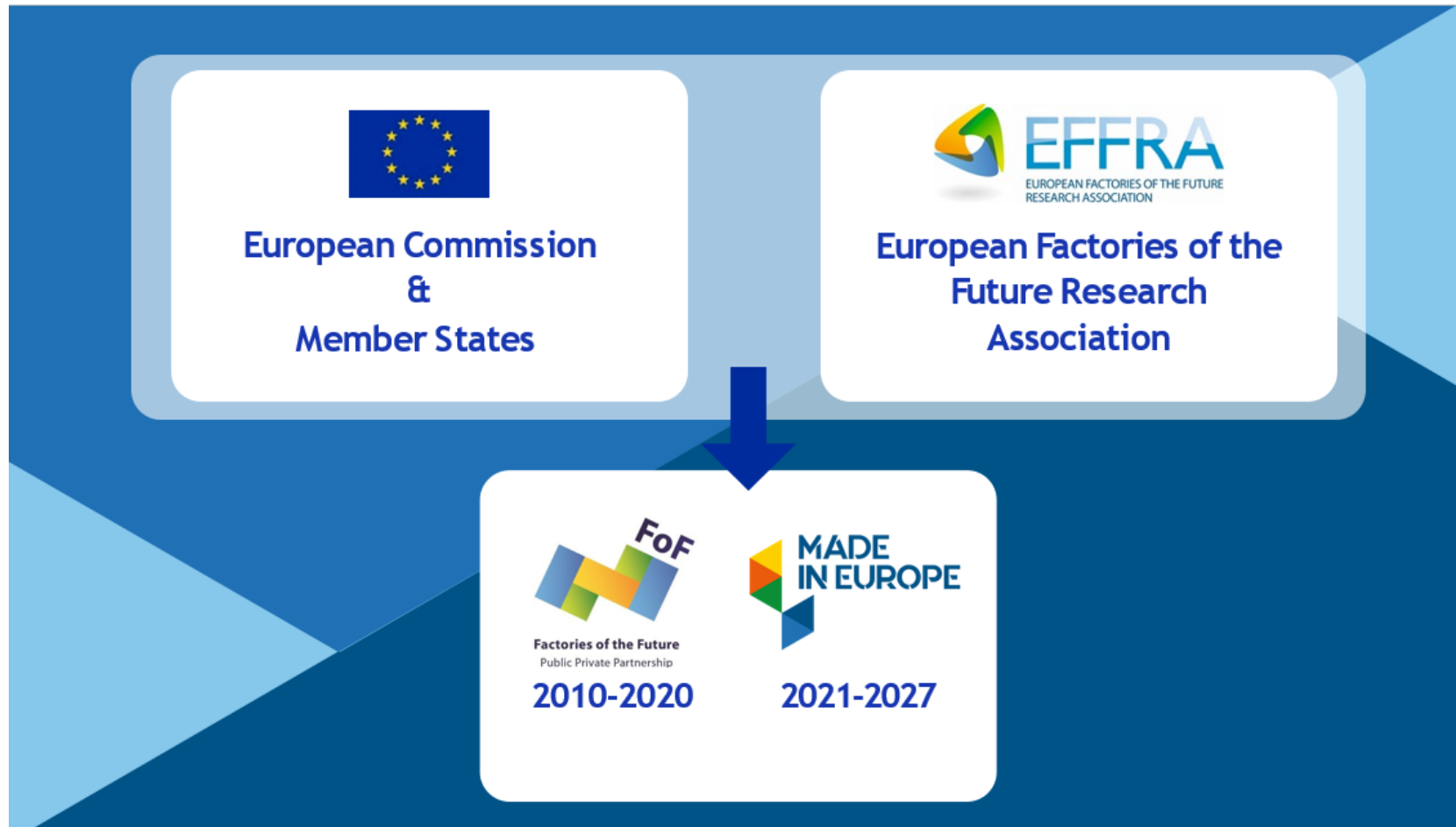
Riikka Virkkunen
Co-chair of Made In Europe PPP
Professor of Practice, VTT



Manufacturing - AI, Data and robotics

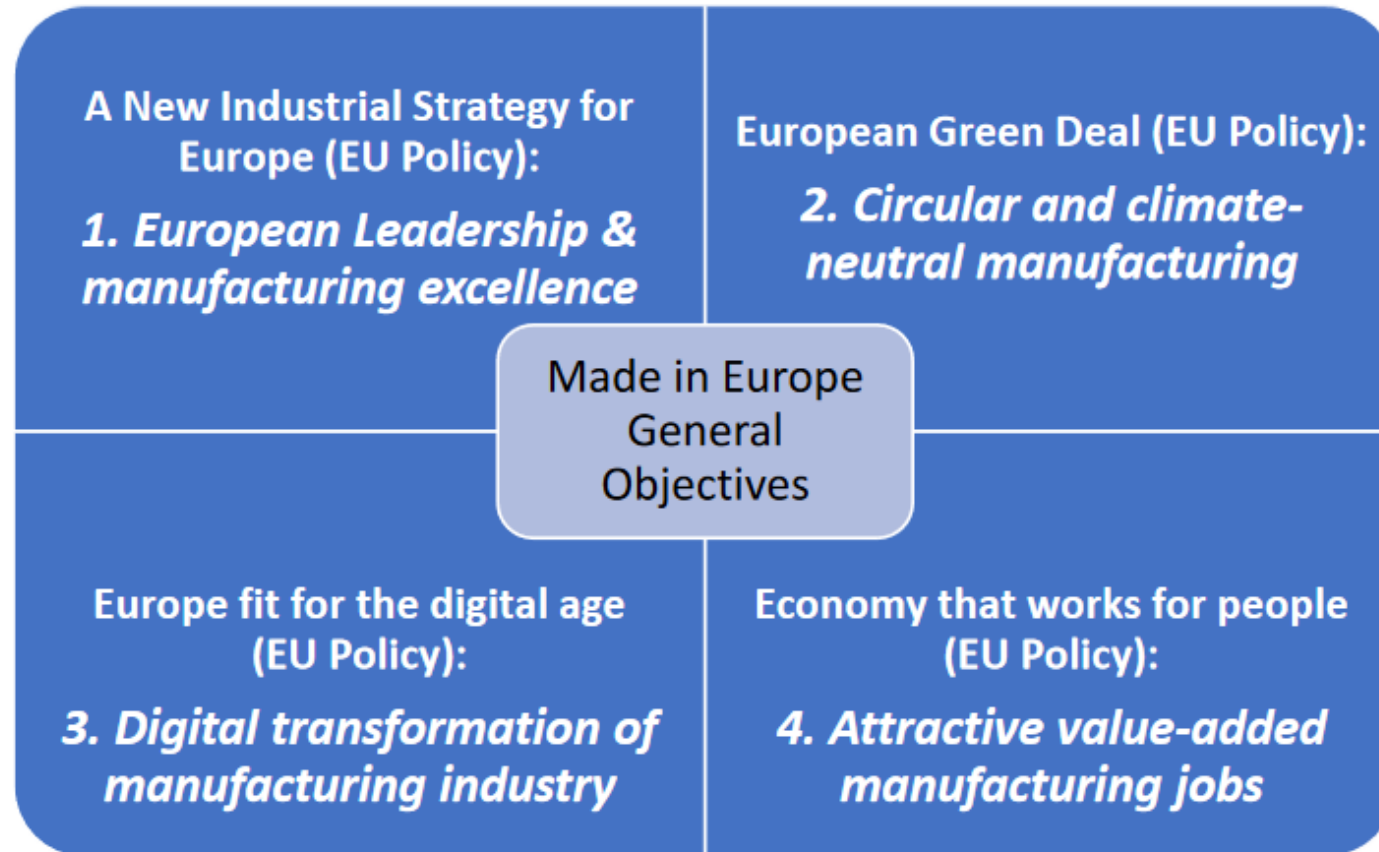


Made In Europe PPP



<https://www.effra.eu/made-in-europe-state-play>

Synergies with the EU policies



EUROPEAN PARTNERSHIPS
STAKEHOLDERS FORUM

AI, Robotics & Data in Made in Europe

MIE General objectives


- Ensuring European Leadership & manufacturing excellence; generating new products and markets
- Achieving Circular and climate-neutral manufacturing
- Mastering the digital transformation of manufacturing industry
- Creating attractive added-value manufacturing jobs

MIE Specific Objectives

- Excellent, responsive and smart factories & supply chains
- Circular products & Climate-neutral manufacturing
- New integrated business, product-service and production approaches; new use models
- Human-centred and human-driven manufacturing innovation

1. Zero-defect and zero-downtime high precision manufacturing, including predictive quality & non-destructive inspection methods
 2. Manufacturing for miniaturisation and functional integration
 3. Scalable, reconfigurable & flexible first-time right manufacturing
 4. Artificial intelligence for productive, excellent, robust and agile manufacturing chains - Predictive manufacturing capabilities & logistics of the future
 5. Advanced manufacturing processes for smart and complex products
 6. Data highways and data spaces in support of smart factories in dynamic value networks
1. Ultra-efficient, low energy and carbon-neutral manufacturing
 2. De-manufacturing, re-manufacturing and recycling technologies for circular economy
 3. Manufacturing with new and substitute materials
 4. Virtual end-to-end life-cycle engineering and manufacturing from product to production lines, factories, and networks
 5. Digital platforms and data management for circular product and production-systems life-cycles
1. Digital platforms and engineering tools supporting creativity and productivity of manufacturing development
 2. Improving human device interaction using augmented and virtual reality and digital twins.
 3. Human & technology complementarity and excellence in manufacturing
 4. Manufacturing Innovation and change management
 5. Technology validation and migration paths towards industrial deployment of advanced manufacturing technologies by SMEs
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Digital Transformation Cases (EFFRA portal)



Pathways to digitalisation of manufacturing

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Launch of the Digital Transformation Cases Catalogue


CALL for CASES

The Digital Transformation Cases Catalogue is now launched!

The 'Digital Transformation Cases Catalogue' is a dynamically evolving resource that brings together inspiring use cases and demonstrators and points to additional information and contact points.




The Digital Transformation Cases Catalogue is a dynamically evolving collection of inspiring use cases and demonstrators that fit in the context of the digital transformation of manufacturing. (Click [here](#) for more background information to this catalogue)




EFFRA Innovation Portal tutorial videos

Promote your projects, results and demonstrators on the EFFRA Innovation Portal. Here you can find some guidance. More information on <https://www.effra.eu/effra-innovation-portal>.




Projects and Standards

In this search on projects level, the filter has been set on 'Standards according to SDOs' (see 'additional filters') and the information is shown in the project cards.




Demonstrators and standards

The deployment of standards indicated at demonstrator level



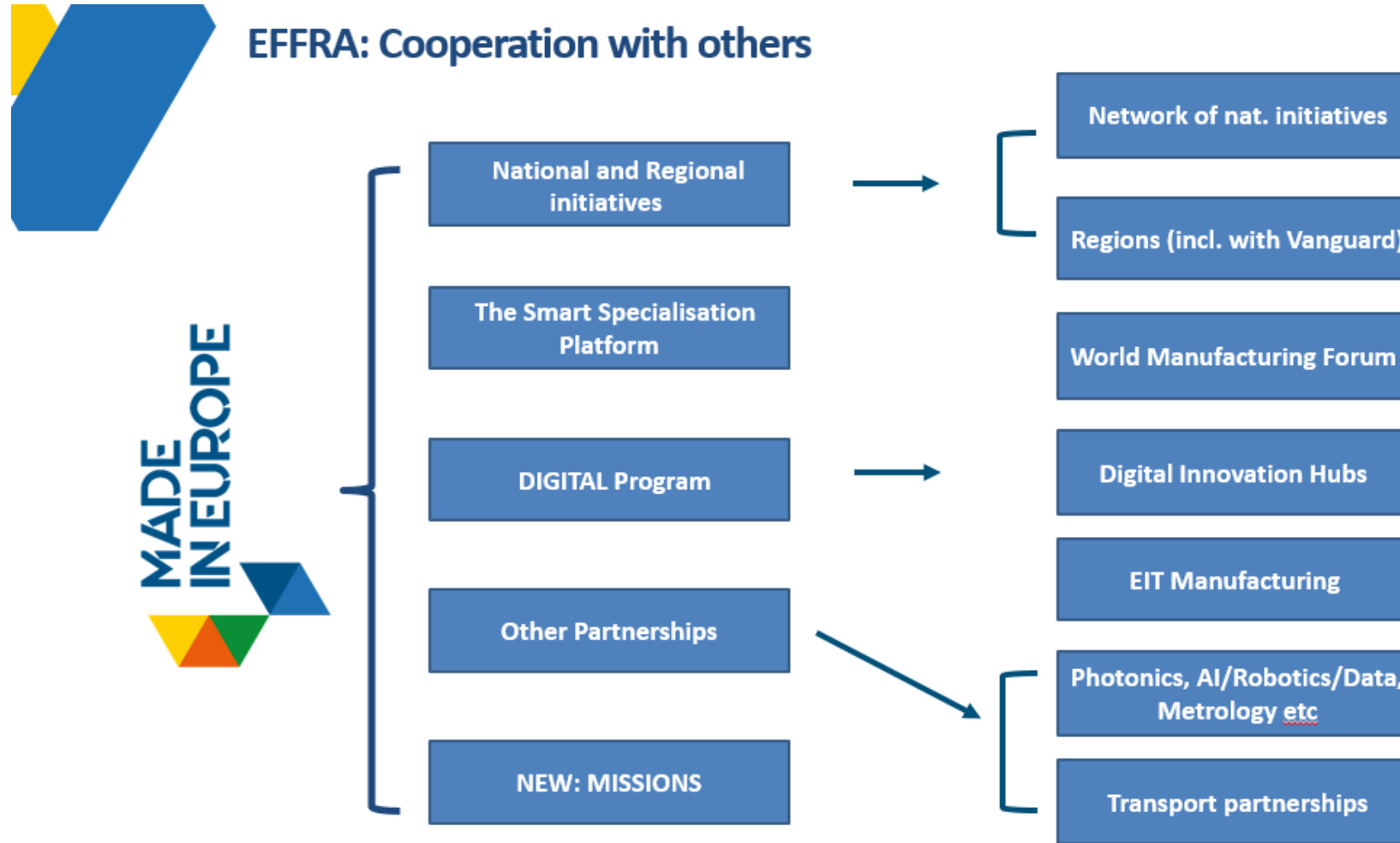
Interoperability (Project mapping)

The mapping indicates particular project results or resources that are associated to interoperability.



www.connectedfactories.eu
<https://portal.effra.eu>

Collaboration



THANK YOU

#EUPartnership

www.EDITwebsite.eu



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