AFIL
Lombardia

PIMAP4Sustainability workshop

Tokyo, 19 June 2024

Lombardy economic profile

1ST REGION FOR

GDP € 368 BLN	**22% OF ITALY'S GDP**
N. OF COMPANIES 816K	**N. OF EMPLOYEES** 4,2 MLN

Advanced Manufacturing

1st region in Italy for manufacturing production and **2nd in Europe** in terms of employees

The industry

Presence of a plurality of comprehensive industries with skills distributed along the different stages of the supply chain

The Leadership

Leadership in manufacturing technology and advanced industrial sustainability culture

The Network

Strong international openness with Lombardy at the center of international networks and European platforms for cooperation on industrial policies, research and innovation

THE INDUSTRY IN A NUTSHELL

903,826 employees (**2nd** in Europe)	**85k** enterprises
€257 bln revenue	**€132 bln** of exports

RESEARCH AND DEVELOPMENT

Lombardy is Italy's first region for R&D spending

€5.3 bln — Invested in 2019 for R&D

75,000 — R&D workers in Lombardy

3
Sections of the **National Institute of Nuclear Physics**

1300
Research and technology transfer centers

12
NRC Institutes

AFIL Cluster's mission

Being a reference actor for the Lombardy Region for the definition of Research and Innovation policies in the manufacturing sector.

Setting up a stable community by connecting companies, universities, research institutions and associations, and favoring cooperation by promoting R&I projects and initiatives.

Supporting the development of R&I interregional networks through the participation to National Intelligent Factory Cluster and the connection with different European regions within the Smart Specialization Strategy.
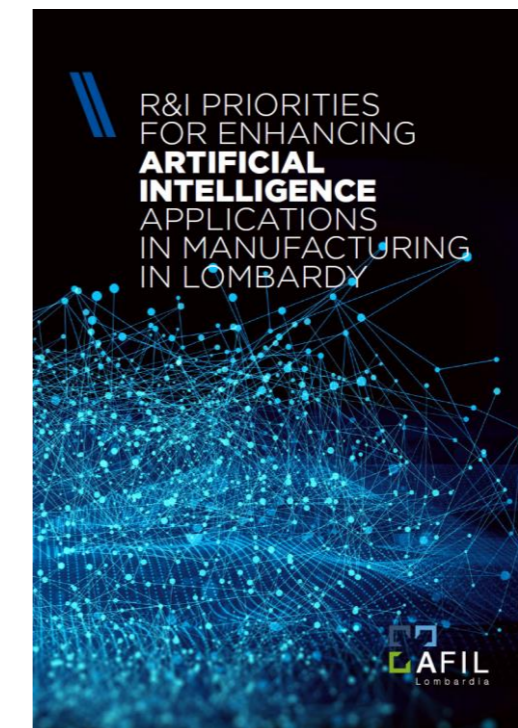
Lombardy R&I Community represented by AFIL
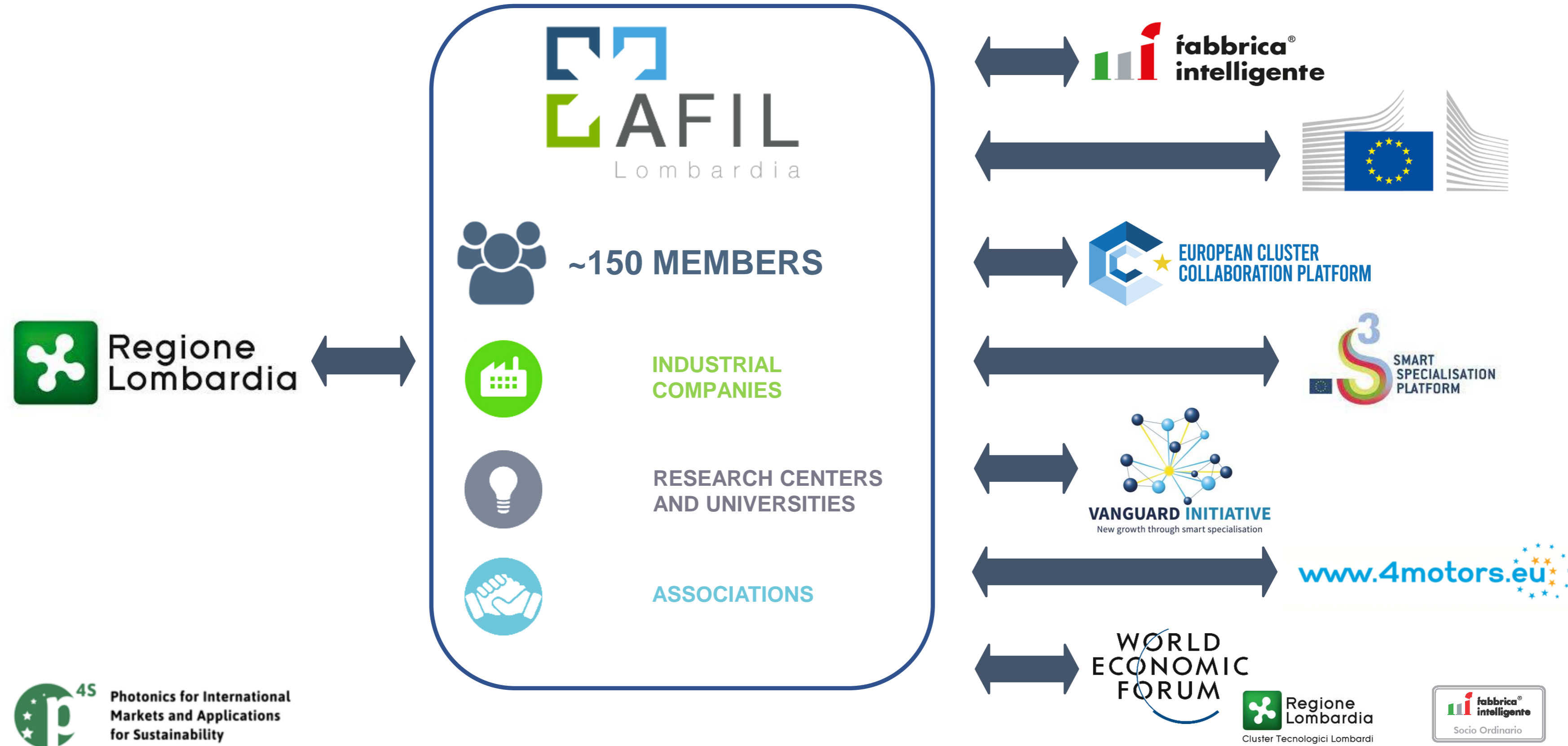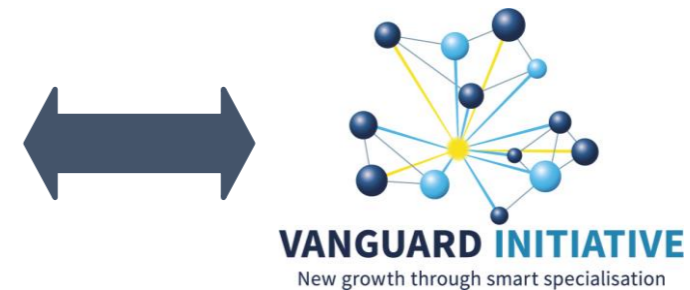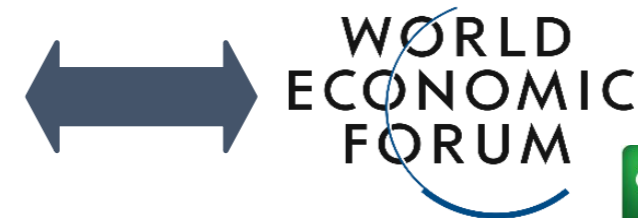
AFIL's Strategic Communities (Working Groups)
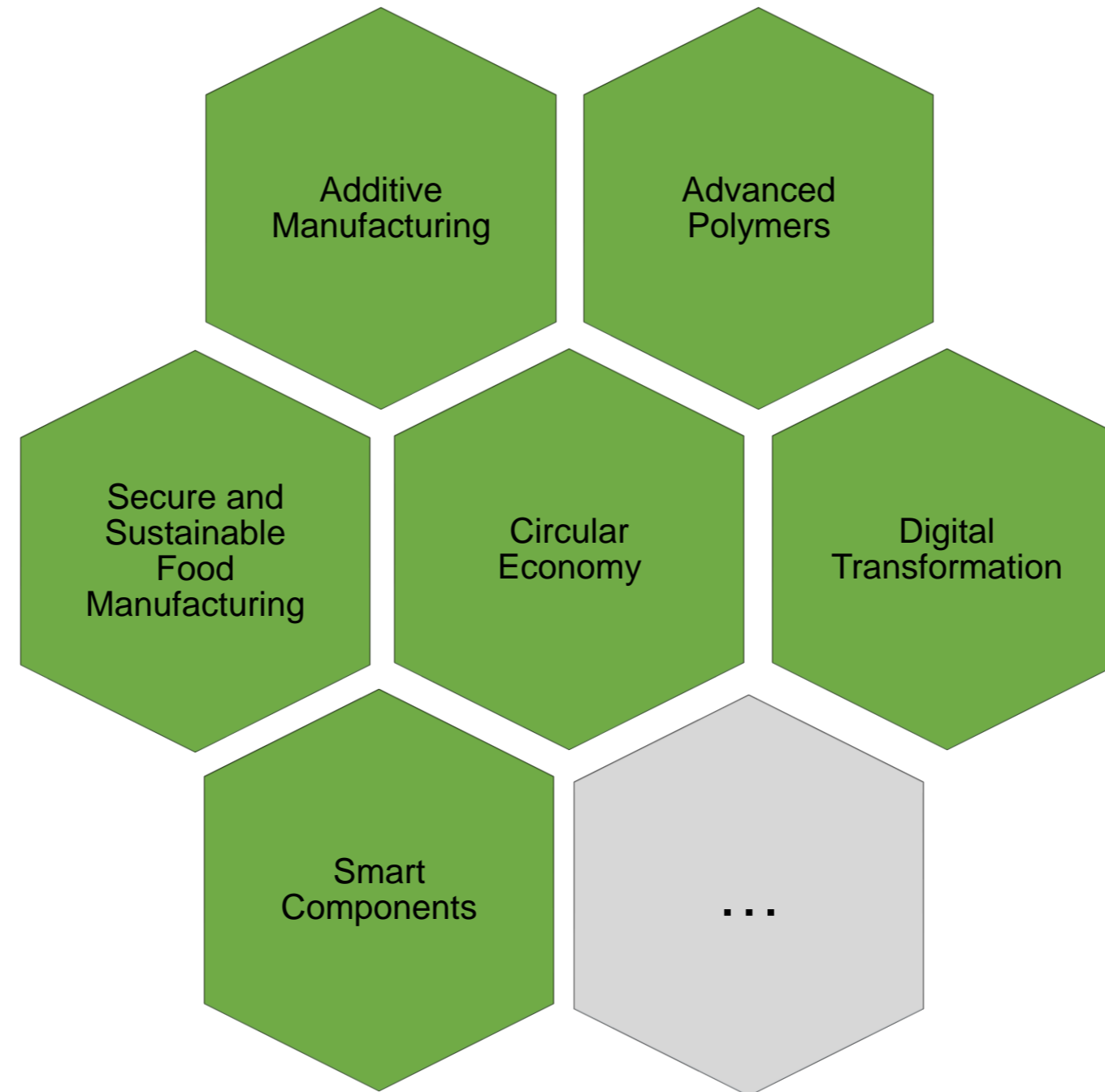
Lombardy R&I Strategic Documents

Circular Economy and Artificial Intelligence

Download

Download

AFIL's involvement in EU Projects

SMART-Growth

Towards a sustainable and innovative future of crystal growth

Objective: *Artificial Intelligence enhanced growing of laser crystals*

Expected results: *Sustainable, energy and raw material saving manufacturing of high value photonics components -> Green Manufacturing*

For further information

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