



Marco Falzetti

EuMaT and A4M Chairman
APRE Director general

Basic data

Initiated - August 2004; official launch event - June 2006

Status in April 2016: ~ 900 registered members

~ 23% from industry

SRA:

- 2006
- 2012
- 2017

EuMaT - ETP recognized by the Commission after the assessment in 2013

EuMaT Steering Committee (40 members)



Mission:

- to promote **competiveness of the EU in advanced engineering materials.**
- to unify **R&D&I EU policy** in this área
- To ensure stakeholders & industry involvement **establishing EU R&D priorities.**

Target Materials

- Development of **new materials**
- **Innovative use** of existing materials
- **Materials** for new applications

Output:

- 3 Strategic Agendas, [EUMAT Position Paper](#)

Website: www.eumat.eu



Alliance for Materials



is the original initiator of A4M jointly with



EU Network Support: Collaborative projects: [MatVal](#) (FP7), and [MATCH](#) (H2020),

A4M Goal: To integrate the needs for material research **along the value chain** to reach the **largest European materials R&D Community**

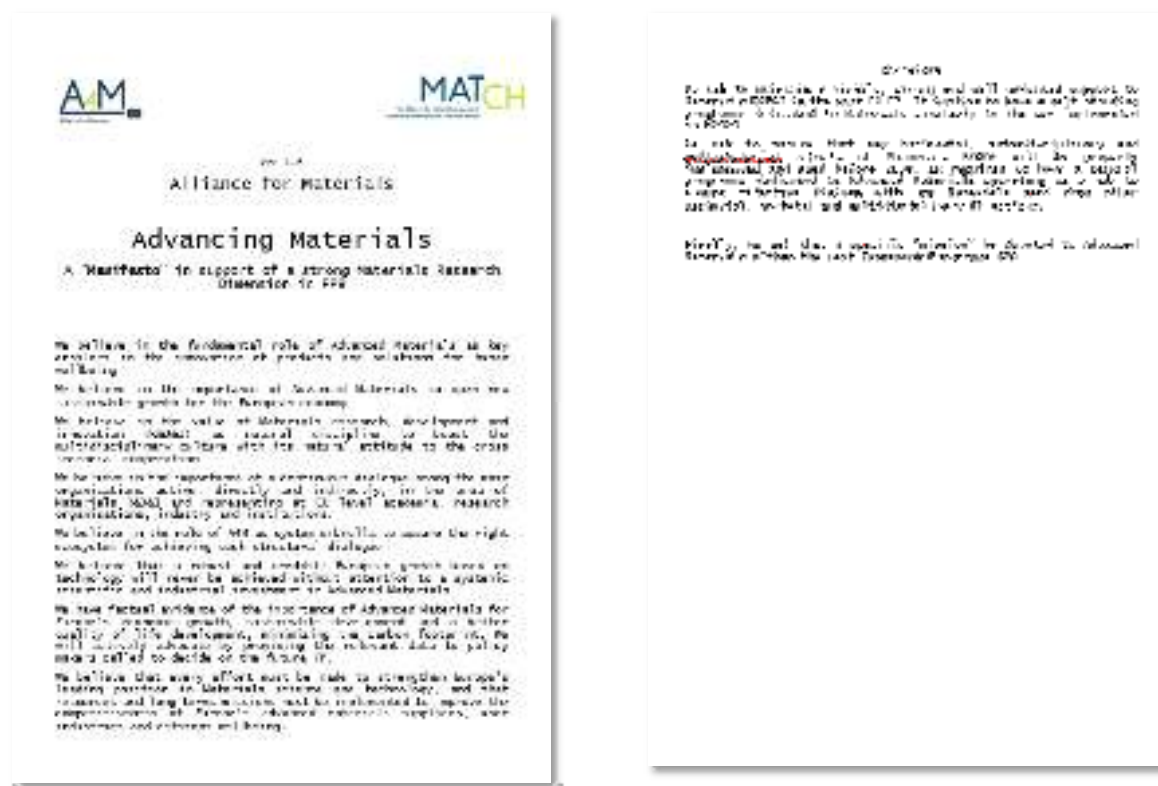
A4M Position Paper: [Materials strategic Governance](#)

A4M Memorandum

[Materials Provide solutions for Tomorrow Challenges](#)



Materials Manifesto



The Role of the Materials for Post COVID Society Reflection Paper, A4M



"The role of materials in the post COVID society"

A reflection on the role of materials in the post COVID society, reflecting on the challenges and opportunities for materials in the post COVID society.

1. Introduction, motivation, overview

The COVID-19 pandemic has brought to the fore the role of materials in the post COVID society. The pandemic has highlighted the need for materials in the post COVID society, reflecting on the challenges and opportunities for materials in the post COVID society.

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Authors: Maria Elena D'Amico, Maria Elena D'Amico, Maria Elena D'Amico, Maria Elena D'Amico



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1. Introduction, motivation, overview
2. Materials in the post COVID society
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10. Materials in the post COVID society

ECTP Vision on Materials

1) With reference to the recommendation above, what is your vision and feedback to the question of R&D governance?

ECTP agrees on the 10 recommendations, in particular concerning Green Deal and Circular Economy;
Need of sustaining research for both new and traditional materials, largely used in construction industry.




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ECTP Vision on Materials

2) How should the Commission organize such a governance; what should/could be the role of A4M?

A4M could orientate the basic Materials research, horizontal to all the different vertical fields, taking input requirements from vertical fields.
The Materials and Sustainability Committee of ECTP is ready to cooperate, as this approach would be complementary.




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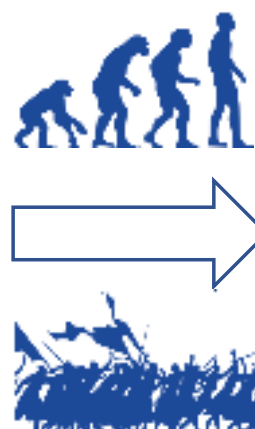
ECTP Vision on Materials

3) Thirdly – let us have a brief visionary outlook into “the Materials ecosystem 10 years from now”, as seen by your institution!

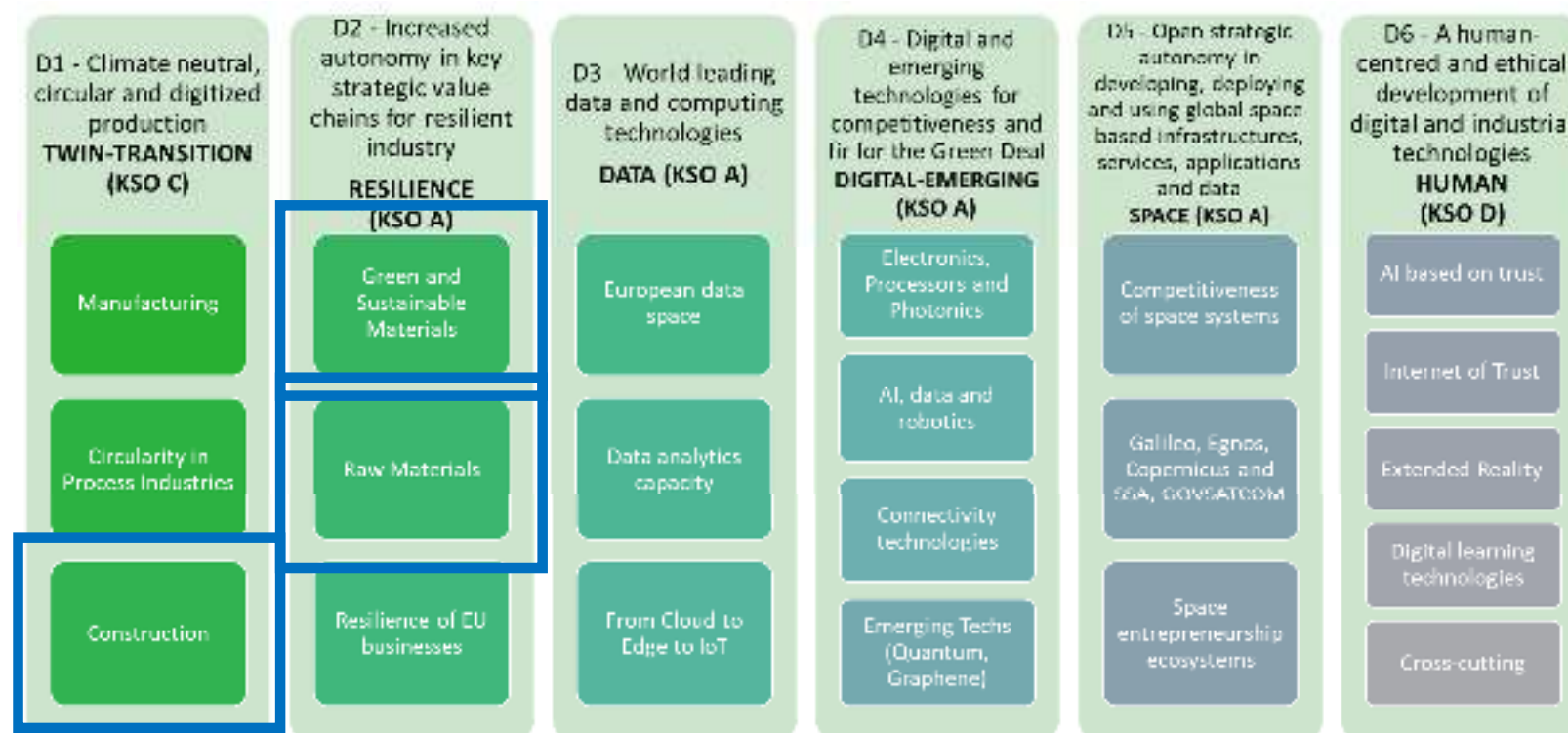
Built environment and infrastructures will have to be friendly and safe for all people – materials will play a significant role in achieving the goal.
The world is changing in the pandemic time and the life environment will have to follow the trend dynamically – important research is needed in the next 10 years
→ We need a Materials ecosystem capable of coordinating efforts and resources to satisfy all societal needs, with a continuous exchange between basic research and vertical industrial fields.



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Cluster 4 Work Programme Overview





Topics relevant to construction and buildings

Cluster 6: Food, Bioeconomy, Natural Resources, Agriculture and Environment

- HORIZON-CL6-2022-CIRCBIO-02-01
- HORIZON-CL6-2021-ZEROPOLLUTION-01-06,

Cluster 2 (Culture, creativity and inclusive society)

- HORIZON-CL2-2022-HERITAGE-01-08

Cluster 3 (Civil Security for Society)

- HORIZON-CL3-2021-FCT-01-07:
- HORIZON-CL3-2022-INFRA-01-01

Missions:

- HORIZON-MISS-2021-CIT-01-01
- HORIZON-MISS-2021-CIT-01-02
- HORIZON-MISS-2021-NEB-01-01

Cluster 4 (Digital, Industry & Space)

- HORIZON-CL4-2021-TWIN-TRANSITION-01-10
- HORIZON-CL4-2021-TWIN-TRANSITION-01-11
- HORIZON-CL4-2021-TWIN-TRANSITION-01-12
- HORIZON-CL4-2022-TWIN-TRANSITION-01-09
- HORIZON-CL4-2022-TWIN-TRANSITION-01-10
- HORIZON-CL4-2021-RESILIENCE-01-32
- HORIZON-CL4-2022-RESILIENCE-01-16

Cluster 5 (Climate, Energy & Mobility)

- HORIZON-CL5-2021-D3-02-08
- HORIZON-CL5-2022-D3-01-03
- HORIZON-CL5-2022-D3-02-03
- HORIZON-CL5-2021-D4-01-01
- HORIZON-CL5-2021-D4-01-02
- HORIZON-CL5-2021-D4-01-03
- HORIZON-CL5-2021-D4-02-01
- HORIZON-CL5-2021-D4-02-02
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- HORIZON-CL5-2022-D4-02-01
- HORIZON-CL5-2022-D4-02-02
- HORIZON-CL5-2022-D4-02-03
- HORIZON-CL5-2022-D4-02-04
- HORIZON-CL5-2022-D4-02-05
- HORIZON-CL5-2022-D6-02-06

Overview of 49 candidate European Partnerships

HORIZON EUROPE PILLAR II - Global challenges & European industrial competitiveness

CLUSTER 1: Health	CLUSTER 4: Digital, Industry & Space	CLUSTER 5: Climate, Energy & Mobility	CLUSTER 6: Food, Bioeconomy, Agriculture, ...
Innovative Health Initiative	Key Digital Technologies	Clean Hydrogen	Circular Bio-based Europe
Global Health Partnership	Smart Networks & Services	Clean Aviation	Rescuing Biodiversity to Safeguard Life on Earth
Transformation of health systems	High Performance Computing	Single European Sky ATM Research 2	Climate Neutral, Sustainable & Productive Blue Economy
Chemicals risk assessment	European Metrology (WIMES)	Europe's Rail	Water4U
ERA for Health	AI-Data-Reliance	Connected and Automated Mobility (COM)	Animal Health & Welfare*
Rare diseases*	Photonics	Batteries	Accelerating Farming Systems Transitions*
One-Health And Zoonotic Resilience*	Made in Europe	Zero-emission waterborne transport	Agriculture of Data*
Personalised Medicine*	Clean steel – low carbon steelmaking	Zero-emission road transport	Safe & Sustainable Food System*
Pandemic Preparedness* Co-funded by co-programmes	Processes4Planet	Digital People	
	Global competitive space systems**	Clean Energy Transition	
		Driving Urban Transitions	

- Indus4rial Partnership (IP4I)***
- Indus4rial Partnership with R&D
- Co-funded
- Co-funded

* Only addressing risks until 2024
** Only addressing risks until 2024

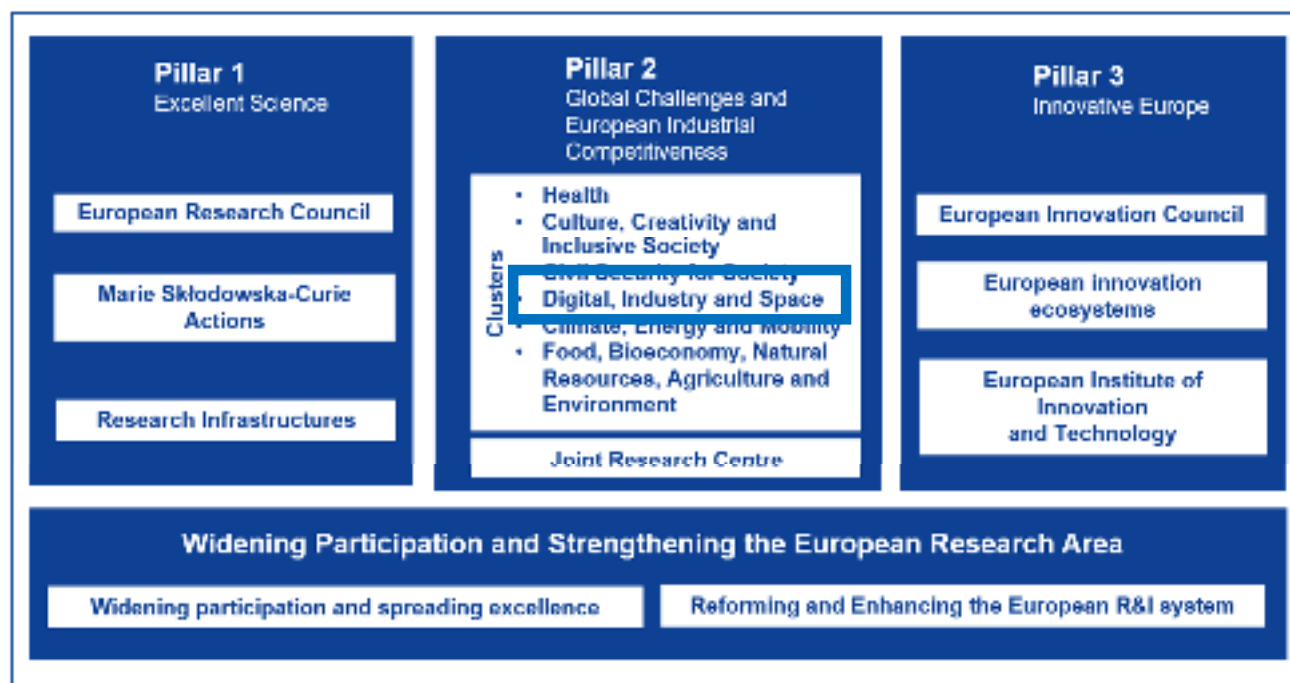
PILLAR III - Innovative Europe

ET (KNOWLEDGE & INNOVATION COMMUNITIES)	SUPPORT TO INNOVATION ECOSYSTEMS
IndEnergy	Innovative SMEs
Climate	
Digital	
Food	
Health	
Raw Materials	
Manufacturing	
Urban Mobility	
Cultural and Creative Industries	

CROSS-PILLARS II & III

European Open Science Cloud

Cluster 4 Digital, Industry and Space



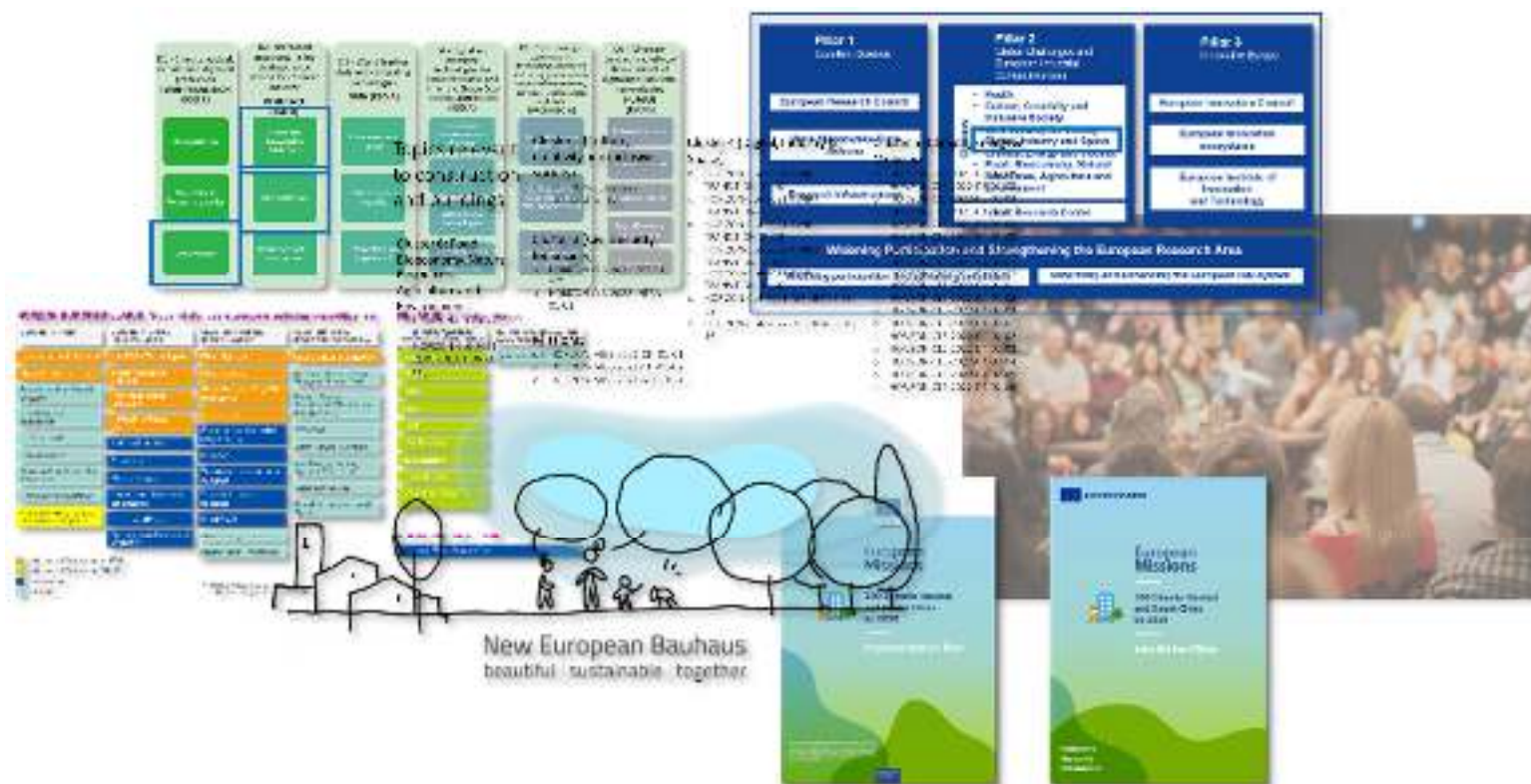
Bauhaus initiative



Citizen/social
engagement



....Indeed, it is a kaleidoscopic of opportunities





We were used to be in a comfort zone



....and the HE complexity seems to move us in uncomfortable position



To be scared and escape from it it's not a winning solution



It is matter of managing complexity and grabbing all the existing opportunities



...and behind complexity there is much more than expected

Thank you for
your attention



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