



# **Advanced Materials 2030 Initiative**

**Lars Montelius**



# Content

---

**1. AMI2030 ambition and Vision**

---

**2. Interim Governance and state-of-play**

---

**3. The next steps / Expected contribution from the stakeholders / How to join**

---

# The Advanced Materials 2030 Initiative

## *Building on the Materials Manifesto*

What are the issues?

# The Advanced Materials 2030 Initiative

## *Building on the Materials Manifesto*

### Our Vision

“A **strong European Materials ecosystem** to drive the **green and digital transitions** alongside a **sustainable inclusive European society** through systemic collaboration between upstream developers, downstream users, and citizens and all stakeholders in between.”

### Big challenges ahead!



Climate neutral by  
2050



Reduce environmental  
pollution



Prevent resource  
scarcity

# The Advanced Materials 2030 Initiative

## *Building on the Materials Manifesto*

### Overarching Goals

- Safeguarding Europe's technology leadership
- Reducing the environmental footprint
- Securing Europe's strategic autonomy



Planet



People



Prosperity

Climate contribution



Circularity of mat



Zero pollution & non-harmful



# The Advanced Materials 2030 Initiative

## *Building on the Materials Manifesto*

### 4 MAIN DRIVERS



Driving cross-sectoral industrial innovation by supporting new applications across all industry sectors



Paving the way for the engagement of all advanced materials stakeholders



Fostering the collaboration based on common grounds between stakeholders – *The “Materials Commons”* – to create more sustainable products through material-based technology



Addressing all value chains and innovation markets for planet, people, and prosperity

# The Advanced Materials 2030 Initiative

## The draft roadmap in a nutshell

### A SPILL-OVER APPROACH FOR THE BENEFIT OF THE MATERIALS INNOVATION MARKETS



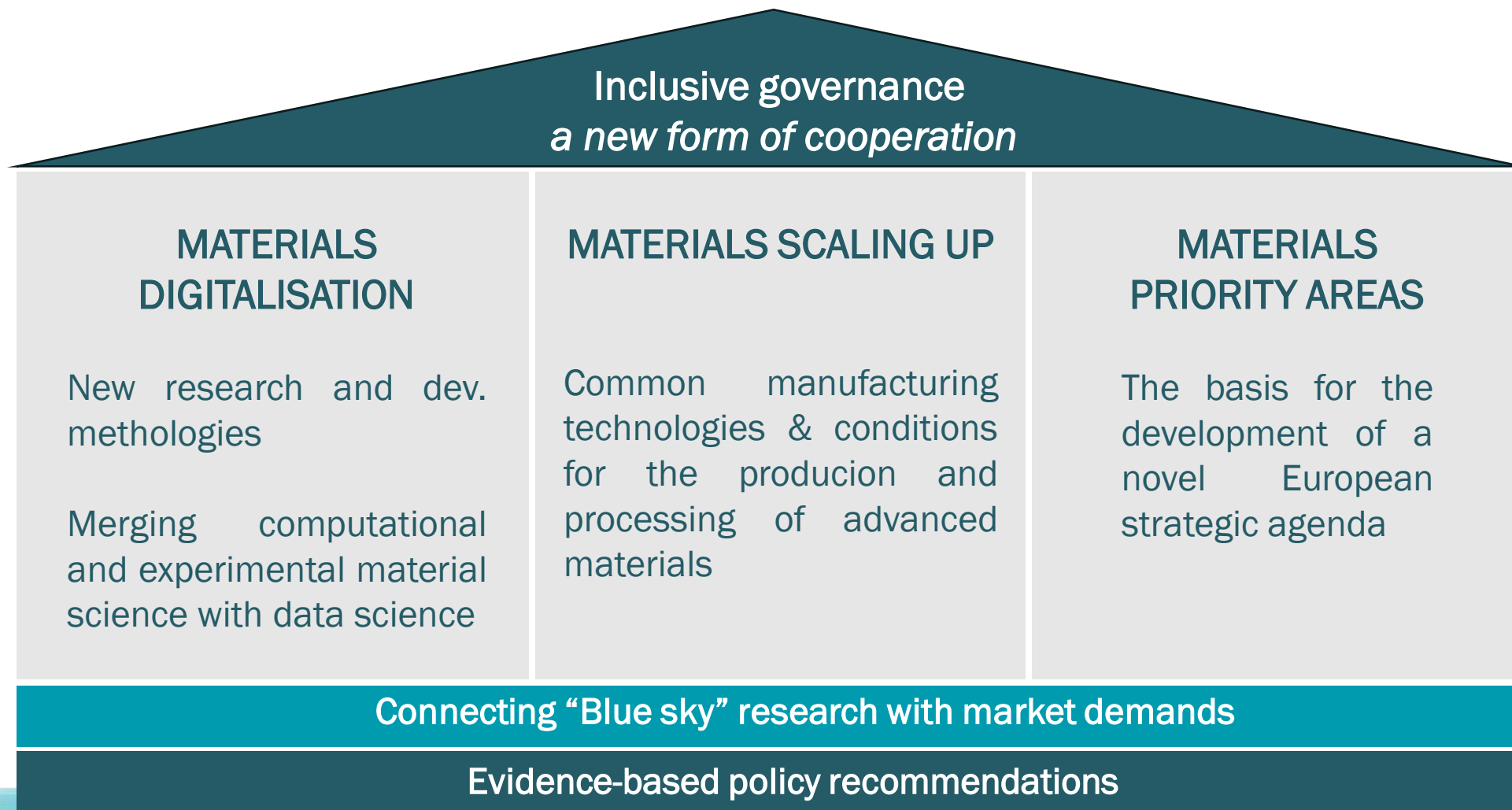
#### THE SPILL-OVER APPROACH

Focus on activities addressing needs & challenges common to as many innovation markets as possible;

- ✓ *In a first step:*  
identify 1 or 2 high-priority innovation market(s) as use case
- ✓ *In a second step:*  
replicate to the other relevant innovation markets (spill-over)

# The Advanced Materials 2030 Initiative

## *The draft roadmap in a nutshell*





# From the draft roadmap to a European strategic agenda

2022



## Manifesto

*Provides the vision*

## Roadmap

*Paves the way for the engagement of all advanced materials stakeholders*

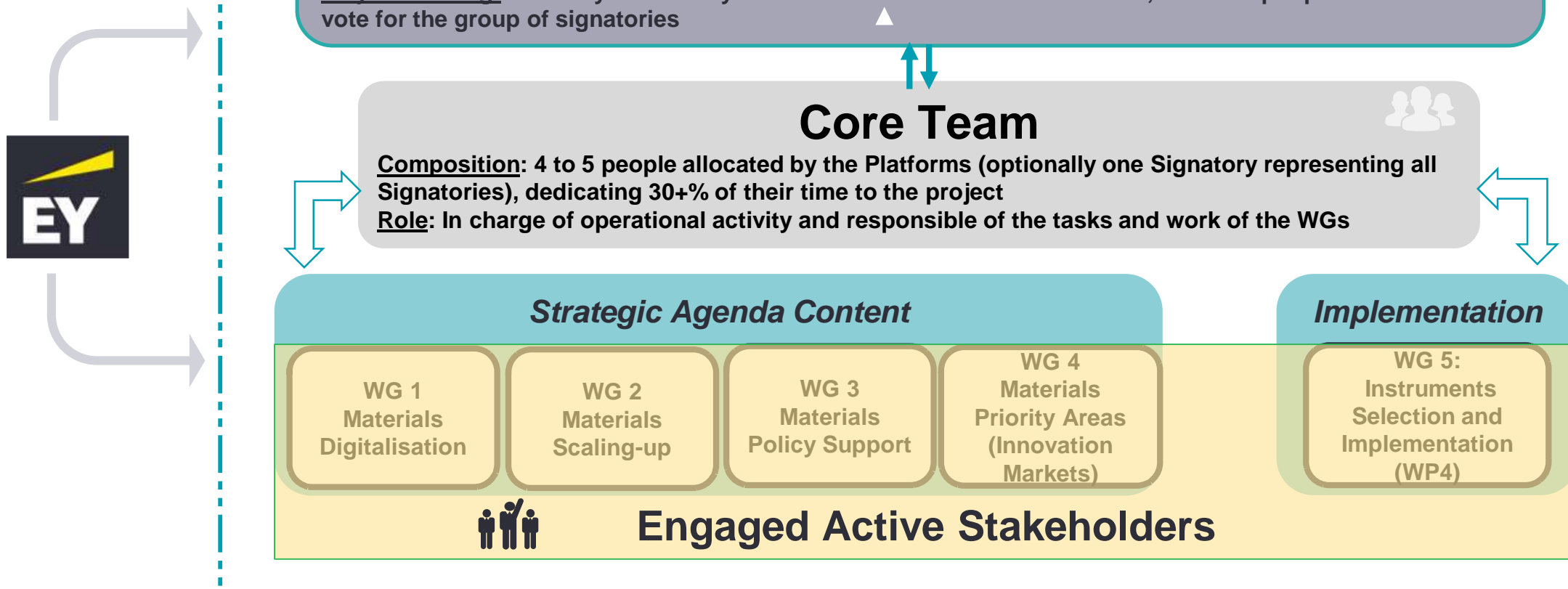
## Areas of Intervention

*Positioning the AMI2030 initiative in the EU landscape*

## Strategic agenda

*Translates the Roadmap into a concrete action plan*

# Interim Governance



# The Advanced Materials 2030 Initiative

## *Some expected benefits*

Combination of digital technologies revolutionises research & development methodologies

- 1** Accelerating advanced materials development for Europe's innovation markets
- 2** Low resource utilisation, energy-efficiency and decarbonisation of materials processing
- 3** Industry-ready processes and technologies for establishing circular value chains in Europe
- 4** Alternative advanced materials processing solutions
- 5** Increased product customisation, warranty, and labelling Support product traceability and lifecycle management
- 6** Support product traceability and lifecycle management

Materials development, production and processing creates new opportunities

# Call for stakeholders to join the initiative

<b>WHO CAN JOIN?</b>	<p>Any European organisation</p> <ul style="list-style-type: none"><li>✓ with activities of significant relevance for advanced materials development, production, integration, use, recycling...</li><li>✓ which agrees to the Declaration of the Advanced Materials 2030 Initiative</li></ul>
<b>HOW TO JOIN?</b>	<p>By registering via the online form available on <a href="https://AMI2030.eu">AMI2030.eu</a></p> <ol style="list-style-type: none"><li>1. the organisation (if not yet registered)</li><li>2. personal contact details and fields of interest of the individual contributors</li></ol>
<b>HOW TO CONTRIBUTE?</b>	<p>By actively contributing to the working groups</p> <ul style="list-style-type: none"><li>✓ Defining the Areas of Intervention (based on the roadmap)</li><li>✓ Drafting the Strategic Research and Innovation Agenda</li></ul>
<b>WHEN?</b>	<p>The “Join us” communication campaign was launched on <b>October 6, 2022</b></p> <p><b>Stakeholders can join any time...</b></p>



# THANK YOU!

[www.ami2030.eu](http://www.ami2030.eu)

[info@ami2030.eu](mailto:info@ami2030.eu)

## FOLLOW US!



@Materials2030



Advanced Materials 2030 Initiative