

# CHEMATSUSTAIN FACILITY

## *Venice Training School 2025*



CheMatSustain



# Today's moderators



*Dr. Jelena Babir*

**Project Coordinator  
Hamburg University of Applied  
Sciences  
Germany**



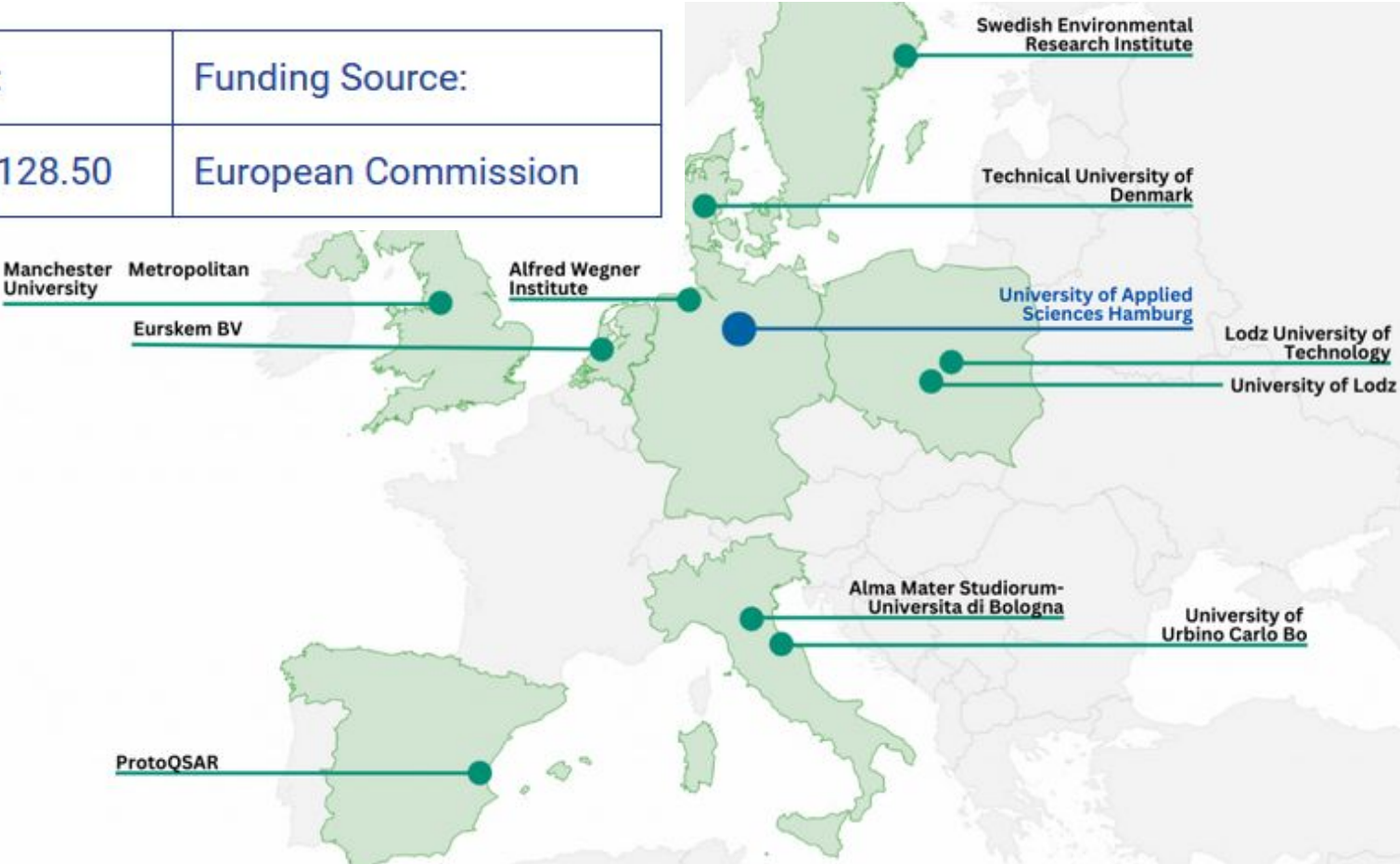
*Mario Miozza*

**Researcher at University of  
Bologna – Faculty of  
Management**

CheMatSustain is a research initiative, funded by the Horizon Europe Programme of the European Union. Spanning for a 48-month period, our consortium comprises 10 scientific partners from 7 EU countries, alongside collaboration with 1 esteemed UK Associate Partner and lead by the Hamburg University of Applied Sciences.

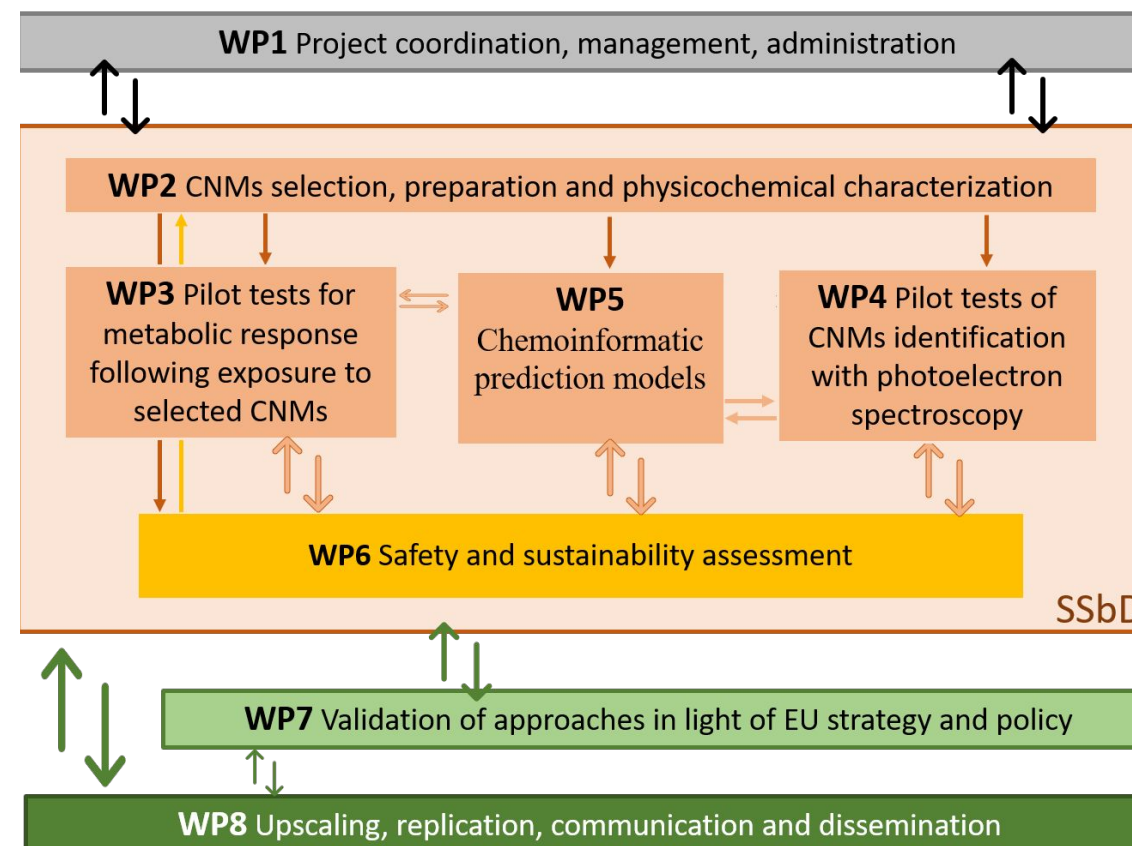
Duration:	Budget:	Funding Source:
January 1, 2024, to December 31, 2027	€4,924,128.50	European Commission

# About CheMatSustain Project



# CheMatSustain Objectives and WPs

The overall objective CheMatSustain is to identify, develop, test and deploy a **set of tools** to improve and harmonize screening and testing protocols, strategies, and hazard, risk and sustainability assessments of a sample of chemicals and (nano)materials in the European Union **by developing** robust, reliable and fast (test) **methods and models**, including high-throughput and *in silico* models, with the goal of improving their safety and sustainability.



# Workshop Objectives

- **Present the CheMatSustain Facility**, a digital platform aiming to promote Safe and Sustainable deployment of Chemicals and Nanomaterials (CNMs) across EU.
- **To engage with relevant Stakeholders**, validating our Knowledge Exchange Strategy approach
- **To Grow the CheMatSustain Network.**



**CheMatSustain**



# Technical Info

## Format:

- This presentation will be a mix of **informative presentation** and **interactive discussion** to capture your insights

## Your Input Matters:

Your feedback will shape the functionality, accessibility, and impact of the **CheMatSustain Facility**.

-  **Join the Interactive Session!**  
Scan the QR code to participate in real-time discussions and contribute your thoughts.

## Let's get started!



# 1. Current landscape and Challenges



Chemicals and Nanomaterials (CNMs) are widely adopted because of their enhanced quality in terms of product effectiveness, such as:

- Enhanced protection from UV rays,
- Waterproof Textiles
- Enhanced resistance of Leather

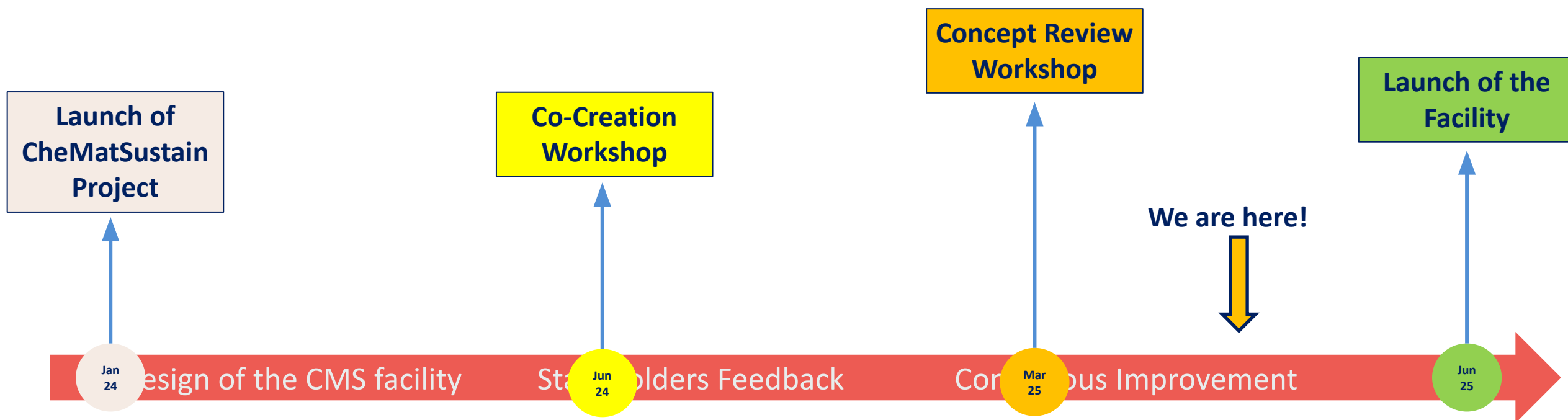
**However,** we don't know the gravity of impacts in terms of environmental and human health (e.g. cosmetics, suncreams, waterproof textiles etc...)

Multiple stakeholders are impacted, and they don't know!

This is where the CheMatSustain Project comes in ...

## 2. CMS Facility Roadmap

We are developing a Digital Platform aiming to bridge Knowledge Gaps between our Project, **Industry, Policy**, and **Citizenship at large**.





### 3. Concept Review

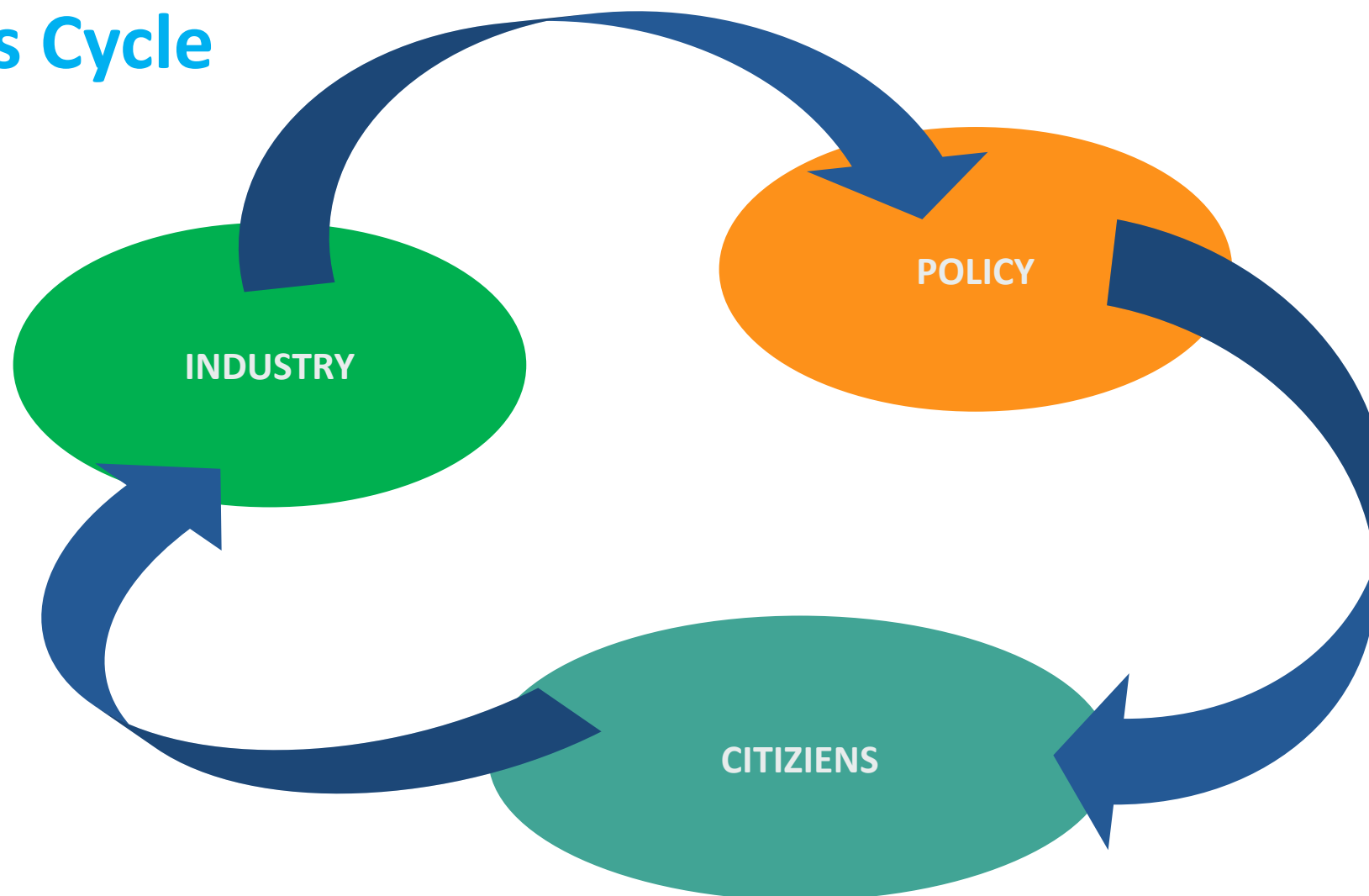
- Extensive Literature review on CNMs' current deployment Challenges and Opportunities
- 2 surveys collecting more than 50 responses from relevant stakeholders
- Online Workshops with relevant Stakeholders, held in June 2024 and March 2025



#### Emerged Themes

- ✓ To support Decision Making for CNMs selection in the product design development and scale Manufacturing Operations
- ✓ Establish focused working group addressing CNMs relevant policies and regulation within the SSbD framework
- ✓ To raise awareness about the uncontrolled threat to the environment and Humans of CNMs
- ✓ Lack of communication channels between Science, Industry and Policy Makers and Citizens on CNMs
- ✓ Difficulty in aligning with regulatory guidelines about Safety and Sustainability of CNMs (when available)
- ✓ To monitor and keep track of Product's Life Cycle impacts
- ✓ Lack of Data to train and deploy AI tools predicting Eco-Toxicity of CNMs

# Continuous Cycle



## 4. Our Proposal

### SCIENCE2POLICY



To engage a Collective reflection for policy making around CNMs Safe and Sustainable deployment  
**(Policy)**

### SCIENCE2INDUSTRY



Supporting industrial decision makers in accelerating nanomaterials deployment, while mitigating safety and Sustainability Risks associated with CNMs  
**(Industry)**

### SCIENCE2CITIZENS

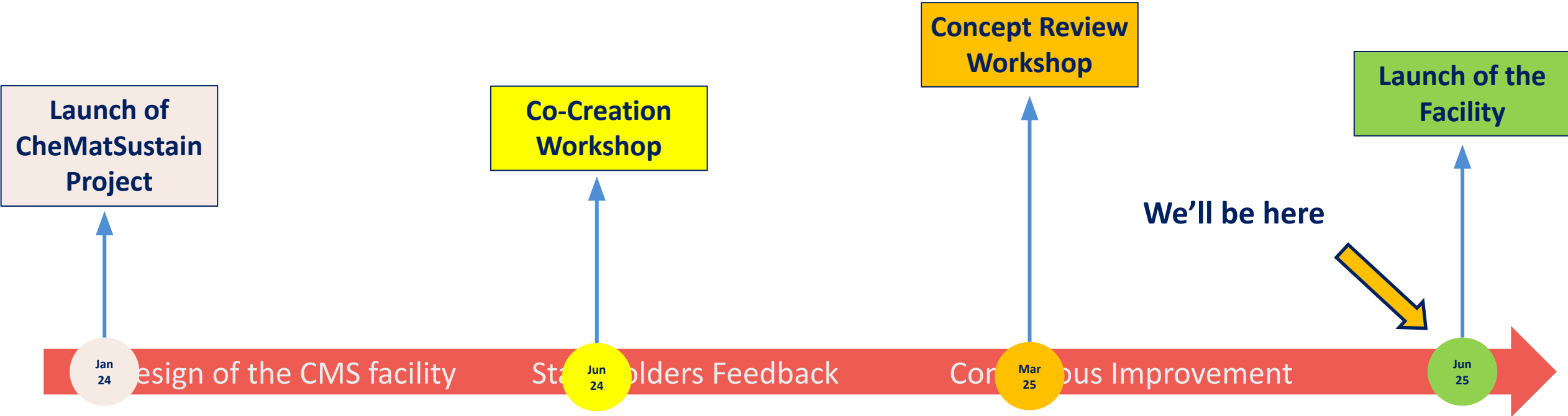


To grow awareness among consumers, and Citizenship at large, about CNMs Safe and Sustainable deployment  
**(Citizens)**

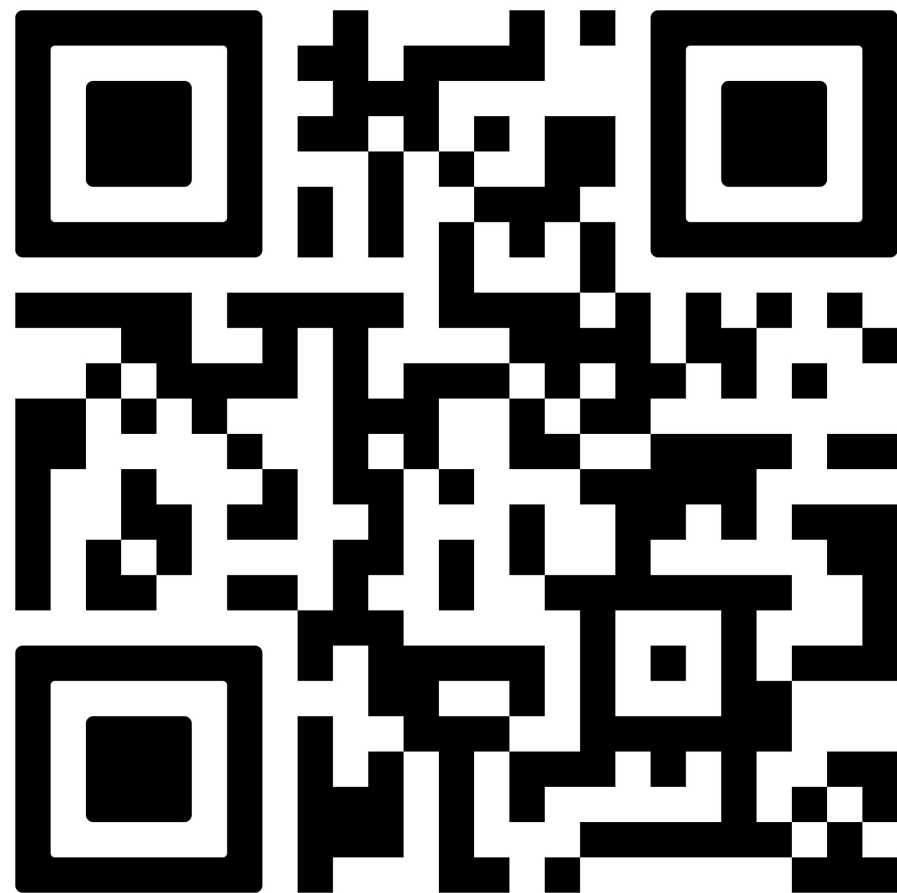
**Let's transition to Mentimeter.com  
to gain your insights!**

# 5. CheMatSustain Future Activities:

	Next Event	When	Where
Launch of CheMatSustain Facility	To officially launch our Digital Platform	27th of June 2025	University of Bologna



# Limited places, please Register here!



## Sala Ulisse

Palazzo Poggi, Via Zamboni 31, Bologna, Italy (Headquarters of the [Academy of Sciences](#))







Q&A

Thanks for your  
attention, and see you  
in June!

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