



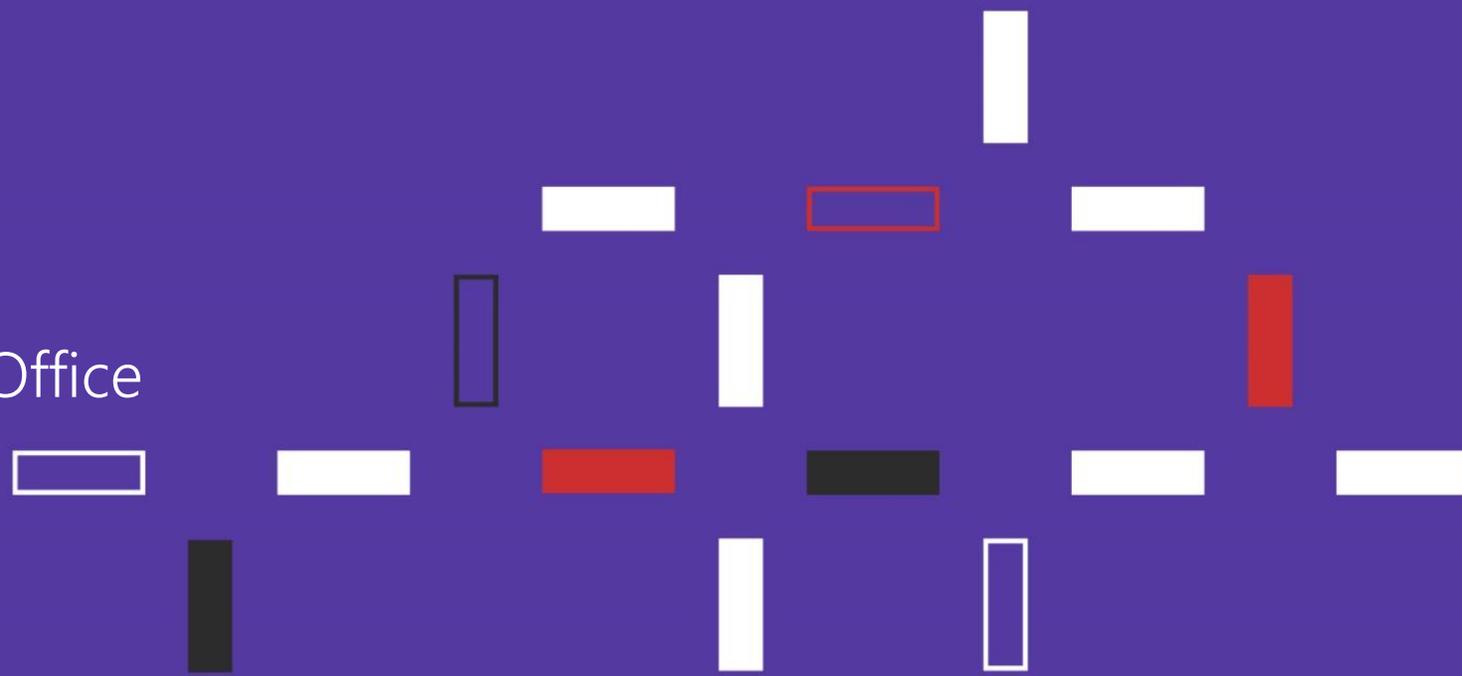
# EIC

# paving the way for impact

*Programme Managers and proactive  
management*

Walter Van de Velde

Head of Programme Managers' Office





# What is holding back European Innovation?

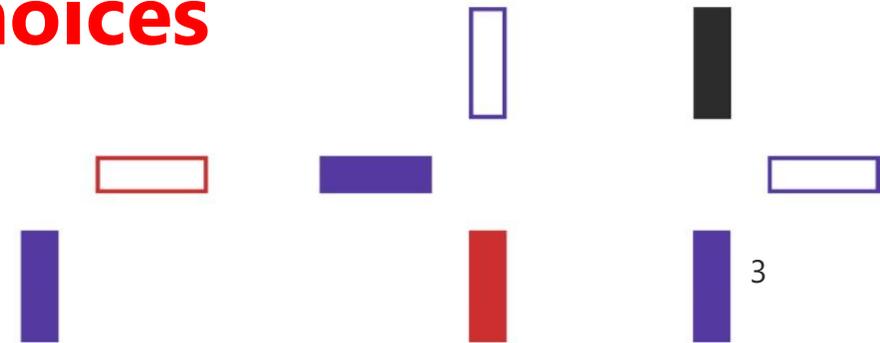
Innovation <b>performance</b>	<ul style="list-style-type: none"><li>• <b>Strong research performance not translated</b> into innovation</li><li>• <b>Lack of breakthrough/ disruptive innovations</b> that create new markets</li></ul>
Innovation <b>funding</b>	Financing gaps (2 “valleys of death”) in <ul style="list-style-type: none"><li>• <b>Transition</b> from lab to enterprise</li><li>• <b>Scaling up</b> for high-risk innovative start-ups</li></ul>
Innovation <b>ecosystem</b>	<ul style="list-style-type: none"><li>• Many national &amp; local ecosystems, but <b>fragmented at European level</b></li><li>• Need to <b>include all regions and all talent</b> (especially female innovators)</li></ul>



What is holding back European Innovation?  
i.e., a systemic analysis

What is holding back European Innovation?  
i.e., an institutional analysis

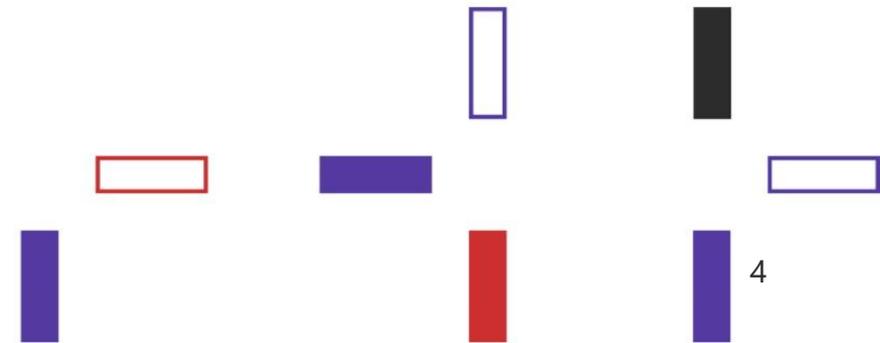
- **Defused leadership**
- **Complexity of making difficult choices**





# EIC Programme Managers – a key novelty of the EIC

**With the Programme Managers, the EIC puts a face on its hands-on leadership in new, high-impact science-driven technology areas, so called 'deep tech'.**



# The current EIC Programme Managers

Iordanis  
Arzimanoglou

Biotechnology and Health



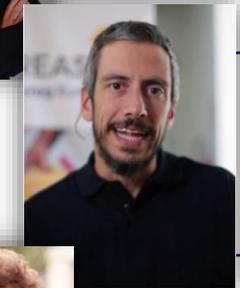
Eric Claverol-  
Tinturé

MedTech and Medical Devices



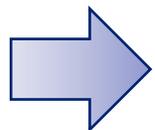
Francesco  
Matteucci

Materials for Energy and Environment



Antonio Marco  
Pantaleo

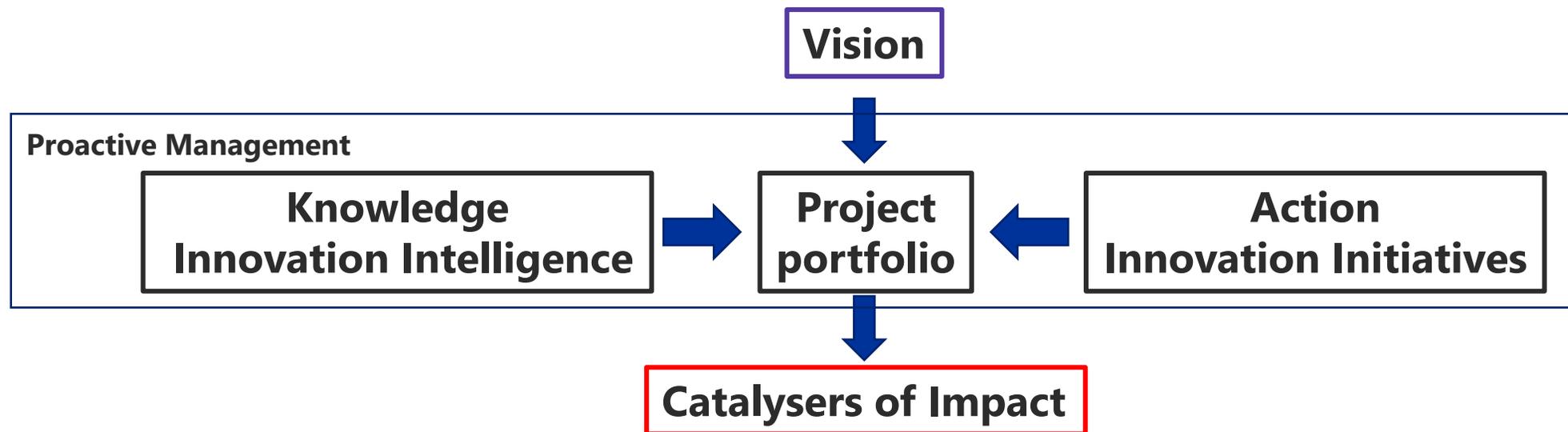
Energy Systems and Technologies,  
Biosystems Engineering



**A Call for Expression of Interest to recruit other Programme Managers will soon be published**

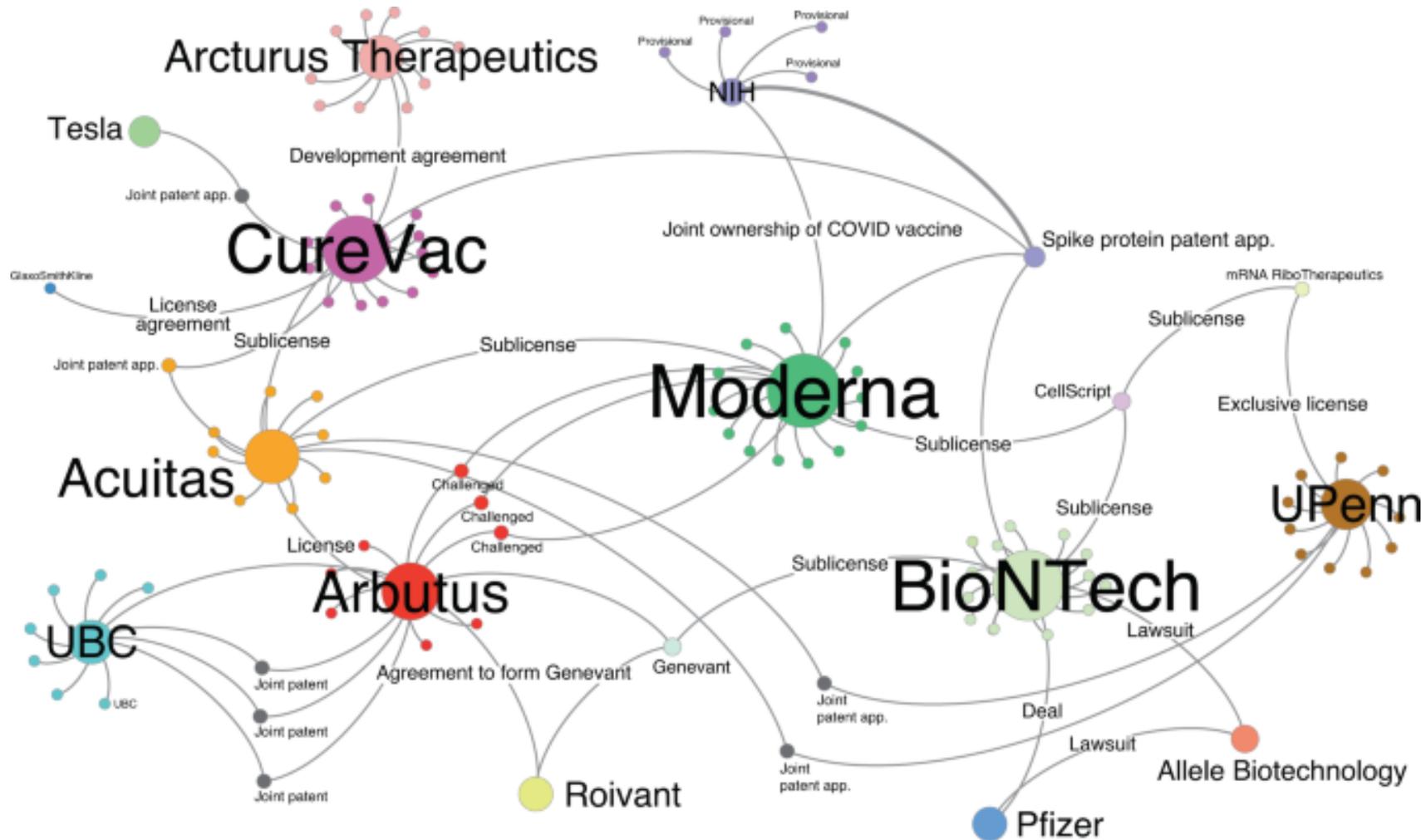


# EIC Programme Managers

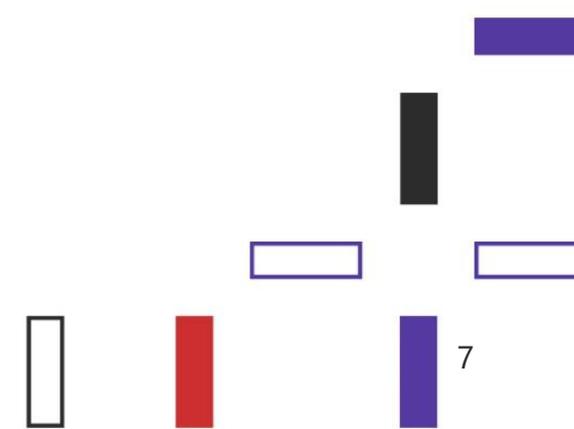


# Innovation Intelligence: an example

## *A network analysis of COVID-19 mRNA vaccine patents*



Gaviria, M., Kilic, B. A network analysis of COVID-19 mRNA vaccine patents. *Nature Biotechnology* **39**, 546–548 (2021).  
<https://doi.org/10.1038/s41587-021-00912-9>





# Proactive Management: paving the way for impact





# EIC main actions

## Pathfinder

For advanced research on  
breakthrough / game-changing  
technologies

**Pathfinder Open:** bottom-up  
approach; no predefined topics

**Pathfinder Challenges:** top-  
down challenge-driven calls for  
tackling specific issues by  
portfolios of projects

## Transition

For transforming research results  
into innovation opportunities;  
follow up results from EIC  
Pathfinder and ERC Proof of  
Concept

**Transition Open:** no topic  
prescription

**Transition Challenges:** selected  
challenges

## Accelerator

For individual companies to  
develop and scale up  
breakthrough innovations with  
high risk and high impact

**Grant Funding**  
**Equity Funding**  
**Blended Finance**  
**EIC Fund**

**Business Acceleration Service:** access to advice, to business partners and to innovation ecosystems & peers



# EIC: the challenge of proactive management

## Pathfinder

For advanced research on  
breakthrough / game-changing  
technologies

## Transition

For transforming research results  
into innovation opportunities;  
follow up results from EIC  
Pathfinder and ERC Proof of  
Concept

## Accelerator

For individual companies to  
develop and scale up  
breakthrough innovations with  
high risk and high impact

**Pathfinder Open:** bottom-up  
approach

**Pathfinder**  
downside  
tackling critical issues by  
portfolio of projects

**Grant Funding**

challenges

**EIC Fund**

**Business Acceleration Service:** access to advice, to business partners and to innovation ecosystems & peers

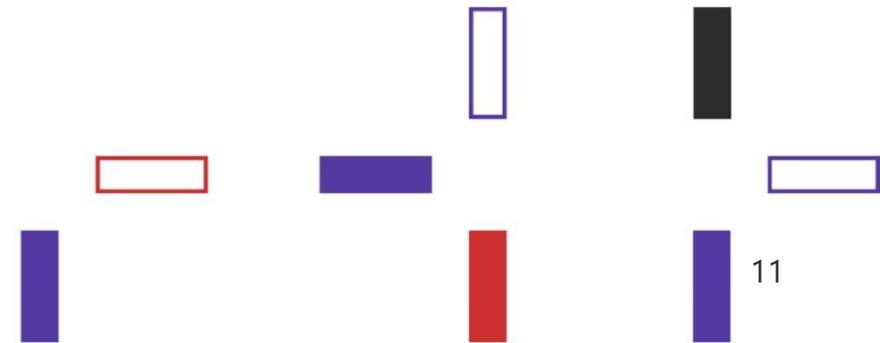


# Portfolio approach

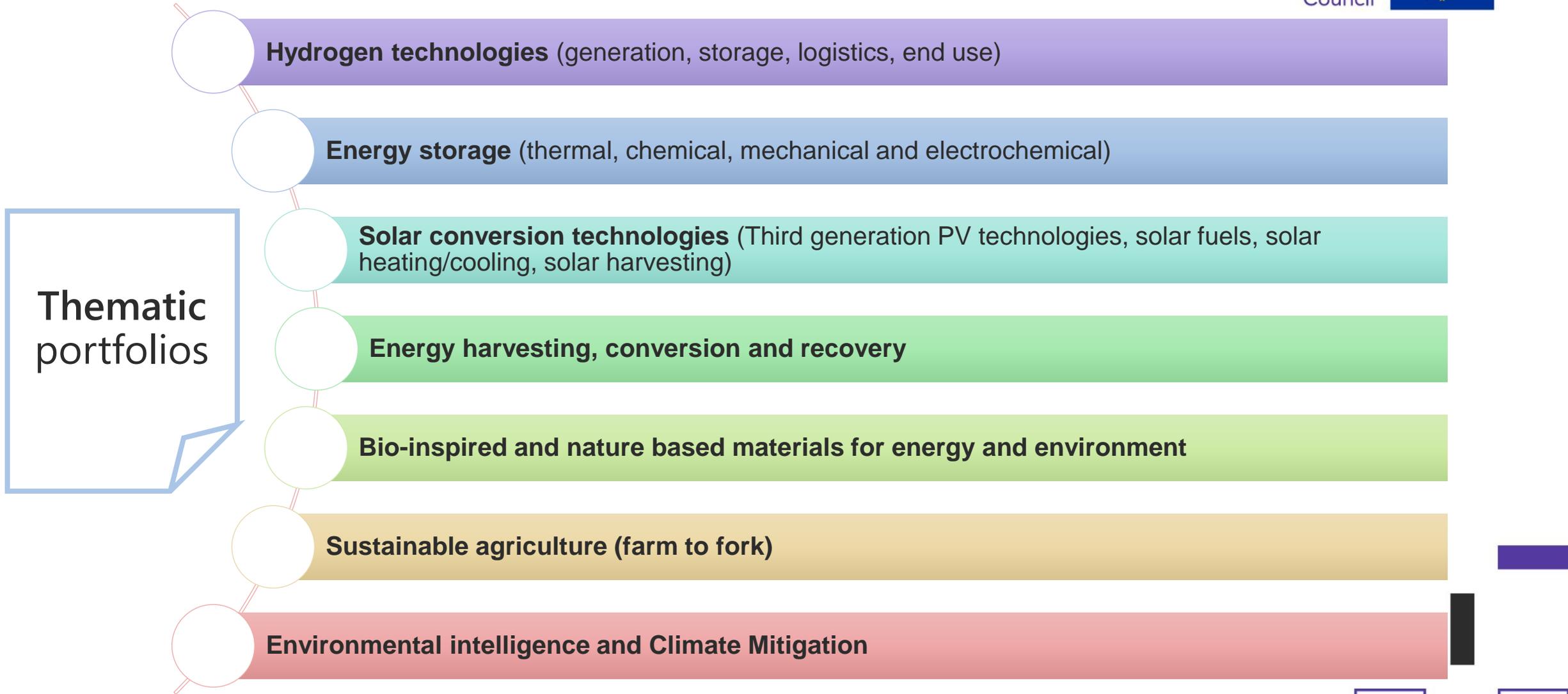
Challenge portfolio approach:

- a coherent set of projects exploring different perspectives, competing approaches or complementary aspects of the Challenge;
- multidisciplinary interactions and exchanges for synergies and serendipity;
- contributing to an overarching medium to long-term market vision and strategic plan, under the supervision of an **EIC Programme Manager**.

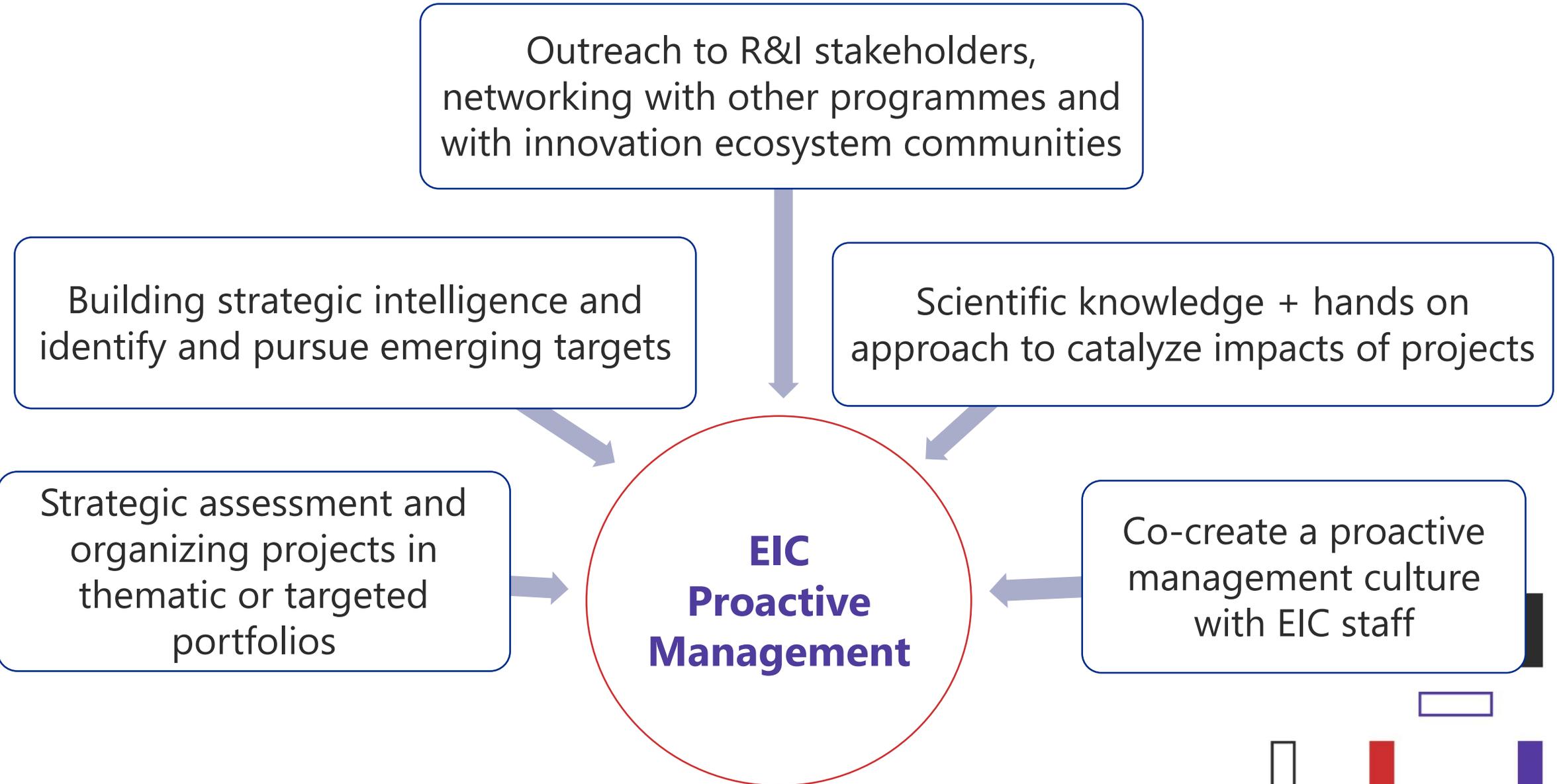
Projects will participate in relevant portfolio activities, driven by the Programme Managers.



# Portfolios approach



# PM: Roles – making strategic choices





# Thank you!

[www.eic.ec.europa.eu](http://www.eic.ec.europa.eu)

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