

# PROGRAMME OVERVIEW

**LEAP-RE**  
**Kick Off Meeting**  
**23-24 March 2021**

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## LEAP-RE

Long-Term Joint EU-AU Research  
and Innovation Partnership on Renewable Energy



The LEAP-RE project has received funding from the European Union's Horizon 2020 Research and Innovation Program under Grant Agreement 963530.



**LEAP-RE**

# LEAP-RE

Background

- The EU-AU **High Level Policy Dialogue (HLPD)** on Science, Technology and Innovation (STI) serves as a platform for regular exchanges on research and innovation policy and aims to formulate and implement long-term priorities to strengthen Africa-Europe cooperation on science, technology and innovation
- HLPD strengthened the mutual commitment to action in renewable energy by adopting the *Roadmap for a jointly funded AU-EU research & innovation partnership on climate change and sustainable energy (CCSE)*
- The LEAP-RE programme aligns with and responds with the specific objectives of the *CCSE Roadmap*

# Background



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- **LEAP-RE** draws on the experience and partnership developed in **PRE**paring for a **L**ong-Term Joint **EU-AU** Research and Innovation **P**artnership on **R**enewable **E**nergy (**PRE-LEAP-RE**) project which has
  - formulated a Research & Innovation (R&I) and Human and Institutional Capacity Building agenda on Renewable Energy (RE)
  - established the organisational and funding principles for the implementation of an African and European (AU-EU) Joint Programme by bringing together national funding agencies and other key EU-AU actors involved in RE research



PRE-LEAP-RE



**LEAP-RE**

Long-Term Joint EU-AU Research and  
Innovation Partnership on Renewable Energy

# Joint R&I Topics – Multiannual Roadmaps (MARs)

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1	Mapping joint research and innovation actions for future: Renewable Energy Sources (RES) development – Consolidation of detailed map of R&I initiatives in Europe and Africa per technology, application etc. type with the aim to support the RE industry to prioritize and contextualize target areas of RES deployment
2	End-of-life and second-life management and environmental impact of RE components – Map the component value chain, identification of key stakeholders & successful business models promote replicability scenarios of operational models and standard operating procedures in concerned regions
3	Smart stand-alone systems (SAS) – Promote the development of RE-SAS demonstrator(s) considering the diversity of potential local RE sources and the local effective environment
4	Smart grid (different scale) for off grid application – Development of new tools for optimizing capacity in planning and dispatching strategies based on people's needs with the aim to reduce the energy dependence on fossil fuel and increasing the share of RES use
5	Processes and appliances for productive uses (PRODUSE) – Improvement and Promotion of wider use of PRODUSE appliances for Cold chain and thermal tools and equipment's (healthcare and agriculture - livestock, fisheries and farming)
6	Innovative solutions for priority domestic uses (clean cooking and cold chain) – Improving, managing and maintaining solar photovoltaic systems, cookstoves and cold chain components for clean cooking and food storage. Supporting interactions with policymaking to foster fast market uptake considering the macro socio-economic and gender impacts



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Project organisation

- LEAP-RE:
  - Research and Innovation Action (RIA)
  - H2020 LC-SC3-JA-5-2020
  - GA n°963530
- Project started: 1<sup>st</sup> October 2020 (to allow the Pillar 1 to start in advance)
- Project launched: 1<sup>st</sup> January 2021
- Consequence: postponement of the delivery date by 3 months and project duration to 63 months (instead of 60)
- Partnership modification occurred
- Some changes could not be included during the Grant Agreement Preparation (GAP) so an amendment session was launched

# Objectives



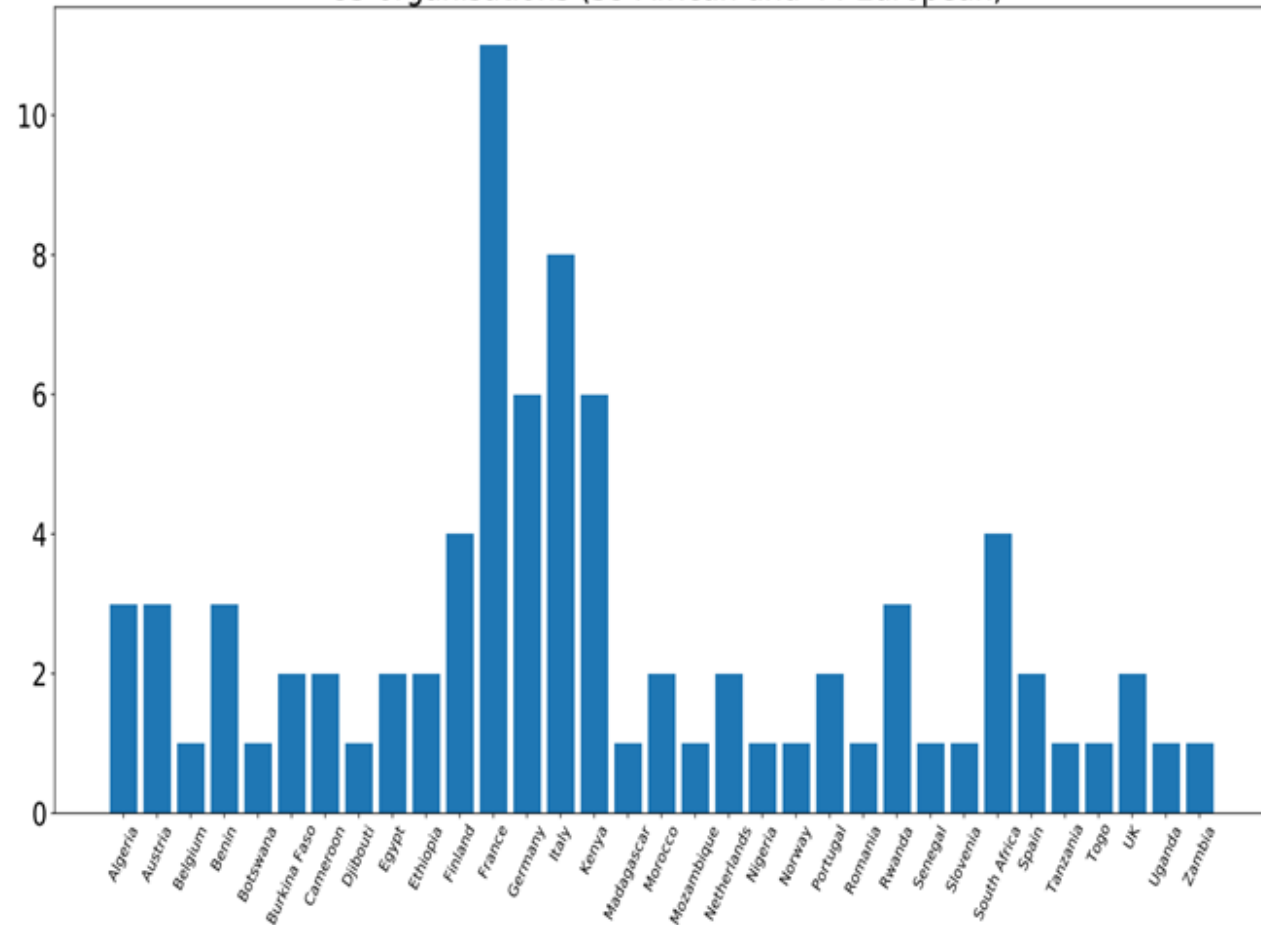
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- Demonstrate efficiency of LEAP-RE programme and create conditions for long-term partnership
- Demonstrate efficiency and attractiveness of joint programming and joint calls
- Mobilise the relevant AU & EU knowledge communities and other stakeholders to address key RE challenges for AU-EU
- Contribute to the production of new knowledge, innovations, technology, products, and/or services in RE topics of strategic relevance to AU-EU collaboration
- Accelerate the inclusive transition to reliable and affordable renewable energy



- LEAP-RE is jointly coordinated by LGI (official coordinator) and DSI (co-coordinator)
- Both organisations, DSI and LGI are in the front to respectively engage the African and European actors
- LEAP-RE relies on a coordination at different levels always ensuring a regional balance

LEAP-RE consortium 33 countries represented  
83 organisations (39 African and 44 European)



# LEAP-RE: 3 pillar structure

## Pillar 1

External Research funding and capacity building activities - implemented through open calls for proposal for R&I projects, funded by the LEAP-RE funding agencies (including national, regional funding agencies or private players).

## Pillar 2

Internal Consortium R&I projects and capacity building activities with substantial financial contributions from the research institutions, implemented by consortium members.

## Pillar 3

Management, coordination, monitoring and evaluation and development of the future long-term collaboration model of the AU-EU partnership in RE.

# 3 Pillar structure



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## Pillar 3

Management, coordination, monitoring and evaluation and development of the future long-term collaboration model of the AU-EU partnership in RE

## Programme “vision”

Maximising Outcomes, Long-term perspective, Building the partnership UH (Finland), LGI (France), DSI (South Africa), POLIMI (Italy), SU (Kenya), AESG (Rwanda), PAUWES (Algeria), DLR (Germany), UEFISCDI (Romania) , ZSI (Austria), FFG (Austria)

# 3 Pillar structure



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## Pillar 2

Internal Consortium R&I projects and capacity building activities with substantial financial contributions from the research institutions, implemented by consortium members.

Programme “implementation”  
8 Research and Innovation projects co-ordinated by Strathmore University (Kenya) POLIMI (Italy) + 59 research and innovation operators from Africa and Europe

# 3 Pillar structure



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## Pillar 1

External Research funding and capacity building activities - implemented through open calls for proposal for R&I projects, funded by the LEAP-RE funding agencies (including national, regional funding agencies or private players)

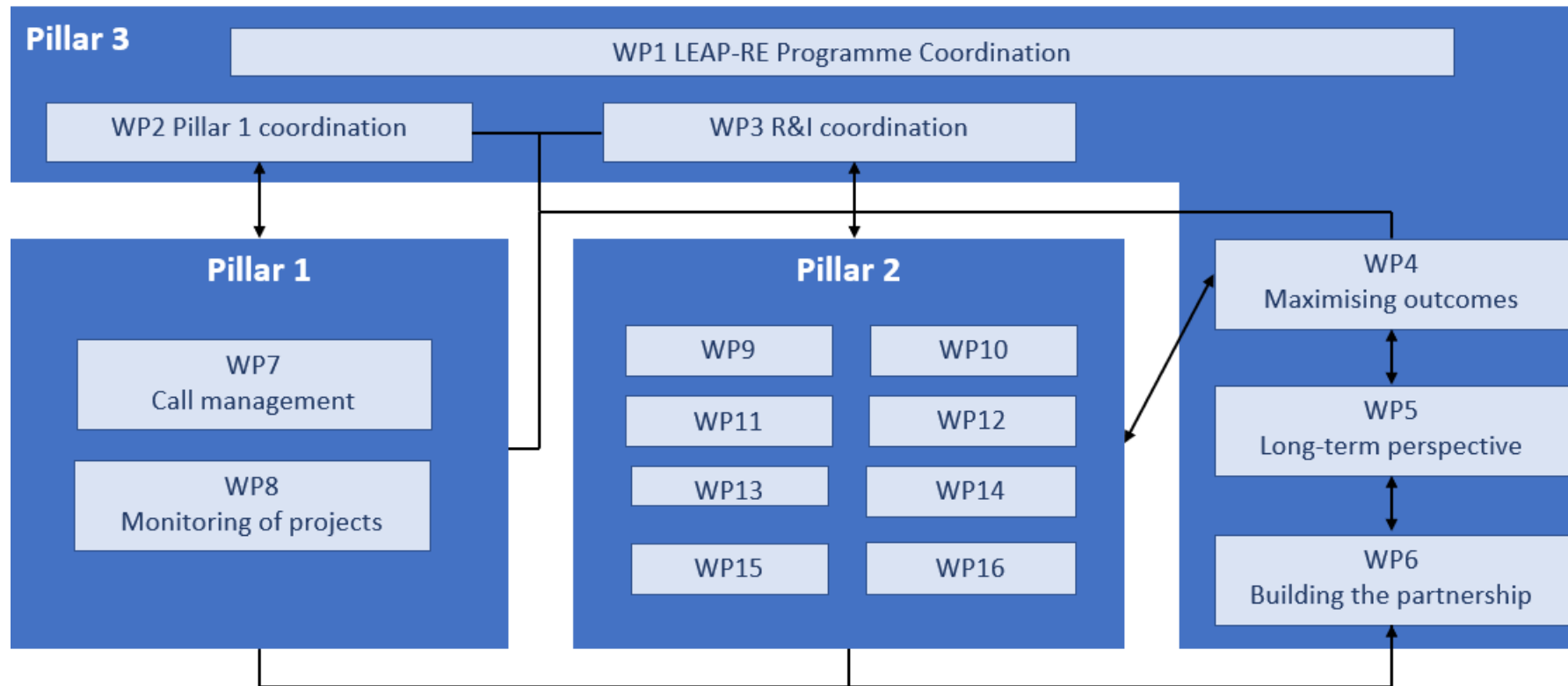
Programme “implementation”

16 African and European Funding Agencies implementing co-funded Calls co-coordinators : ANR (France) MESRS (Algeria); + MENFPESRS (Morocco), IRESEN (Morocco), ASRT (Egypt), DSI (South Africa), SANEDI (South Africa), Université de Lomé (Togo), FRS-FNRS (Belgium), AKA (Finland), NEXA (France), FZJ-PtJ (Germany), FCT (Portugal), UEFISCDI (Romania), CDTI (Spain), Loughborough University (UK).

# Work Package breakdown structure



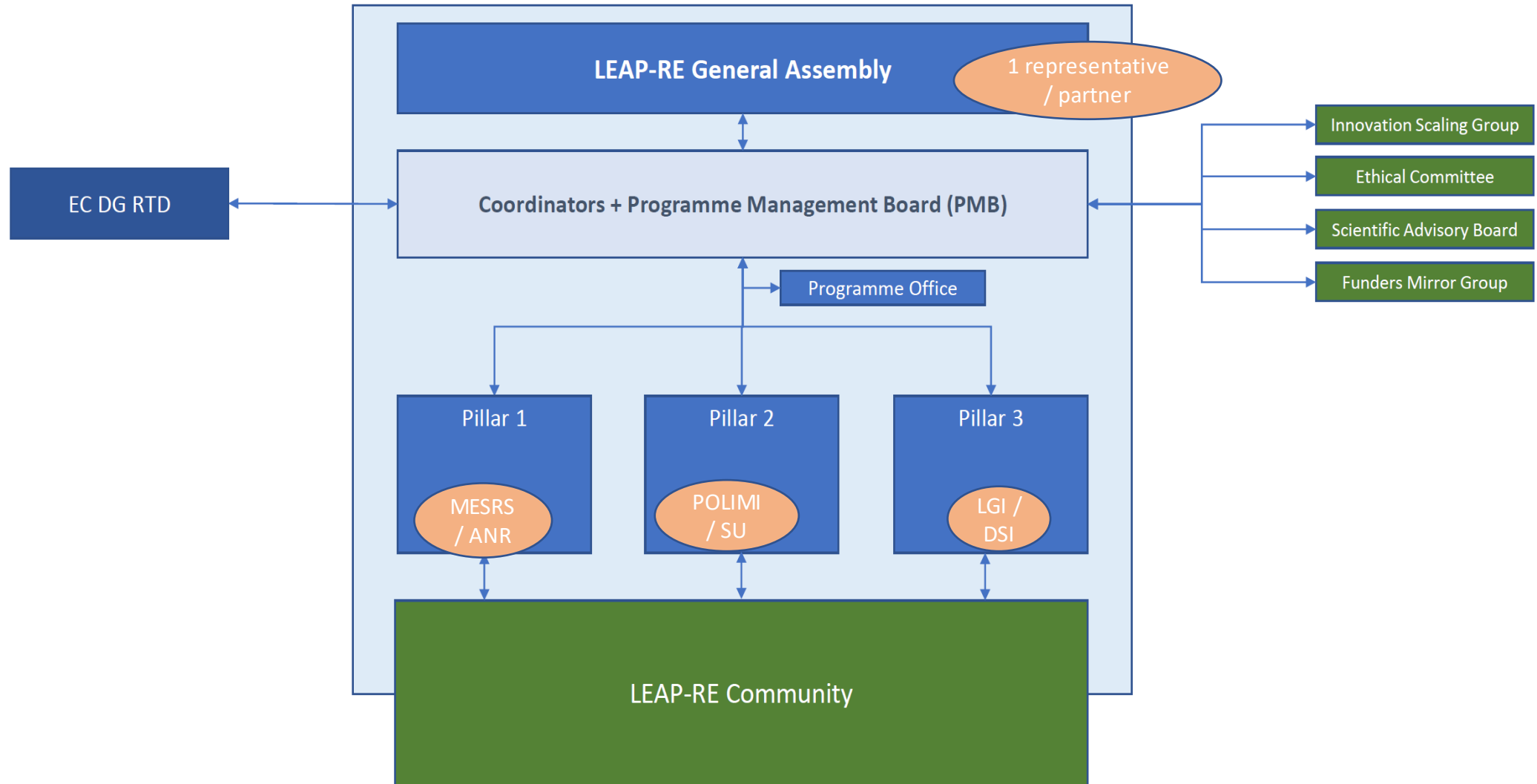
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# Governance



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# Budget breakdown



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## LEAP-RE Budget Breakdown

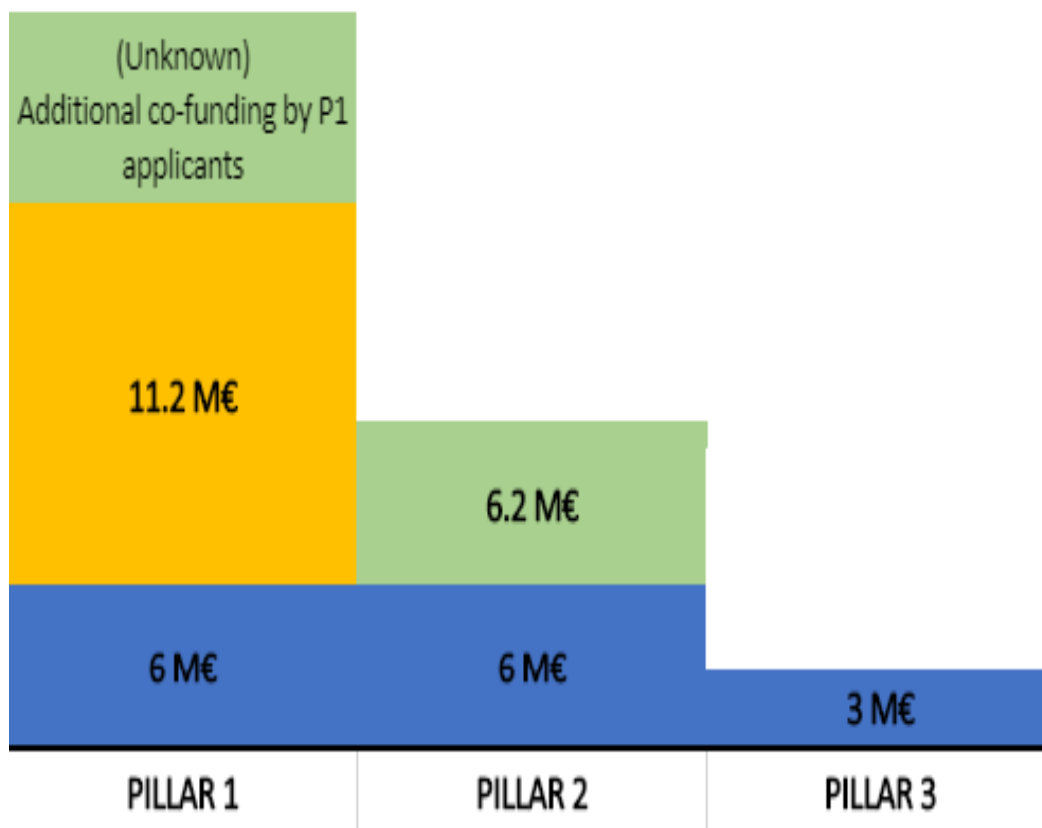
Total cost: 32 M€ / EC funding: 14.9 M€

Colour legend:

Beneficiary co-funding

Co-funding by national/regional agencies

EU funding (H2020 RIA)





# THANK YOU

## CONTACT US FOR MORE INFORMATION



[www.leap-re.eu](http://www.leap-re.eu)



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