

# Intro: Horizon Europe, CCAM Partnership

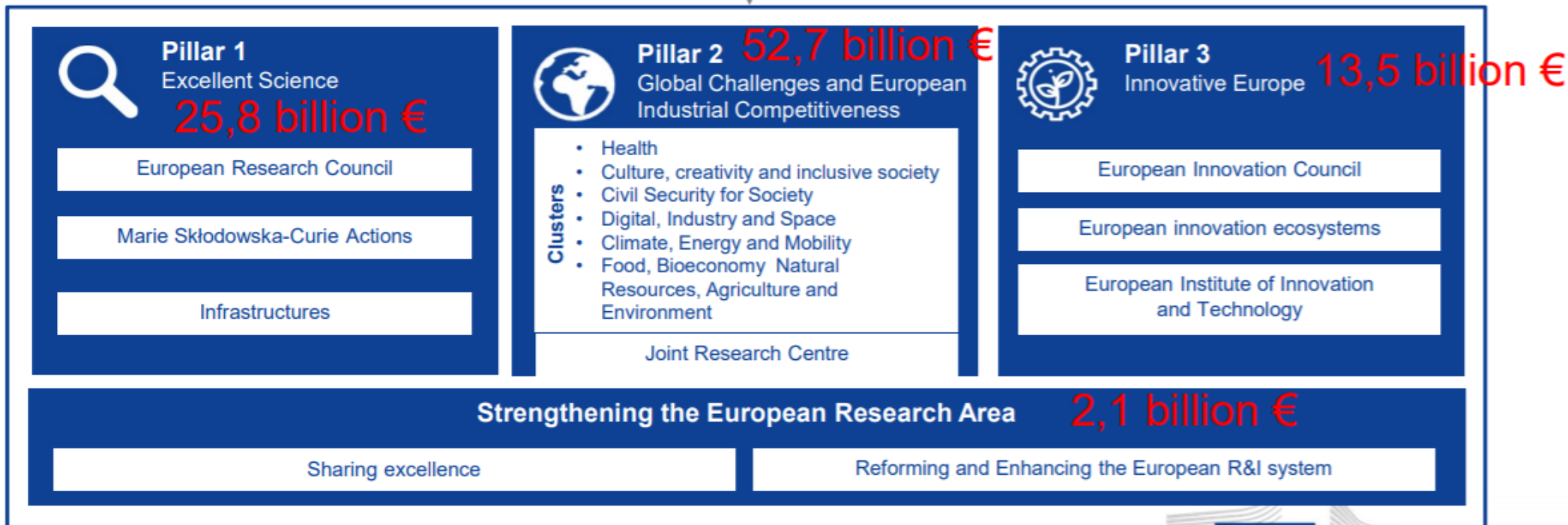
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26.5.2020

# Horizon Europe: evolution not revolution

Specific objectives of the Programme

Proposed budget: €100 billion\*  
(2021-2027, current prizes, incl. € 3.5 b for InvestEU)



# Portfolio of candidates for European Partnerships (49)

## HEALTH

EU-Africa Global Health  
Innovative Health Initiative  
Chemicals Risk Assessment  
Fostering an ERA for Health research  
Large-scale innovation and transformation of health systems in a digital and ageing society  
Personalised Medicine  
Rare Diseases  
One Health AMR

## DIGITAL, INDUSTRY AND SPACE

High Performance Computing  
Key Digital Technologies  
Smart Networks and Services  
AI, data and robotics  
Photonics Europe  
Clean Steel - Low Carbon Steelmaking  
European Metrology  
Made in Europe  
Carbon Neutral and Circular Industry  
Global competitive space systems  
European Geological Service

## PILLAR III AND CROSS-PILLAR

EIT Climate KIC  
EIT Health  
EIT Manufacturing  
EIT Food  
EIT InnoEnergy  
EIT Manufacturing  
EIT Raw Materials  
EIT Digital  
EIT Urban Mobility  
EIT Cultural and Creative Industries  
  
Innovative SMEs  
  
European Open Science Cloud (EOSC)

## 3 mallia:

- Inst. kump.
- Co-programmed
- Co-funded

## CLIMATE, ENERGY AND MOBILITY

Transforming Europe's rail system  
Integrated Air Traffic Management  
Clean Aviation  
Clean Hydrogen  
Built environment and construction  
Towards zero-emission road transport  
**Mobility and Safety for Automated Road Transport**  
Batteries  
Clean Energy Transition  
Sustainable, Smart and Inclusive Cities and Communities  
Smart and zero-emission waterborne transport

## FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

Accelerating farming systems transition  
Animal health: Fighting infectious diseases  
Environmental Observations for a sustainable EU agriculture  
Rescuing biodiversity to safeguard life on Earth  
A climate neutral, sustainable and productive Blue Economy  
Safe and Sustainable Food System for People, Planet & Climate  
Circular bio-based Europe  
Water4All: Water security for the planet



**European Partnership under Horizon Europe**

**Connected, Cooperative and  
Automated Mobility (CCAM)**

*European leadership in safe and  
sustainable road transport through  
automation*

# CCAM co-programmed partnership in HEU

## CCAM Association

- ▶ No initial financial commitment foreseen to participate in the Partnership.
- ▶ The association fee will be very low: 500-5000€ range, depending on type.
- ▶ The association will draft consolidated recommendations to the calls: the calls will be published by the EC, and then open for anybody to apply, member or non-member of the association.
- ▶ The association will not organise project proposals and will not support any.
- ▶ The association will not intervene in the evaluation process.

### **Horizon Europe: Co-programmed European Partnerships**

Between the Commission and private and/or public partners. Based on memoranda of understanding and/or contractual arrangements

**This partnership  
differs from  
Joint  
Undertakings /  
Institutional  
Partnerships!**

# Partnership governance

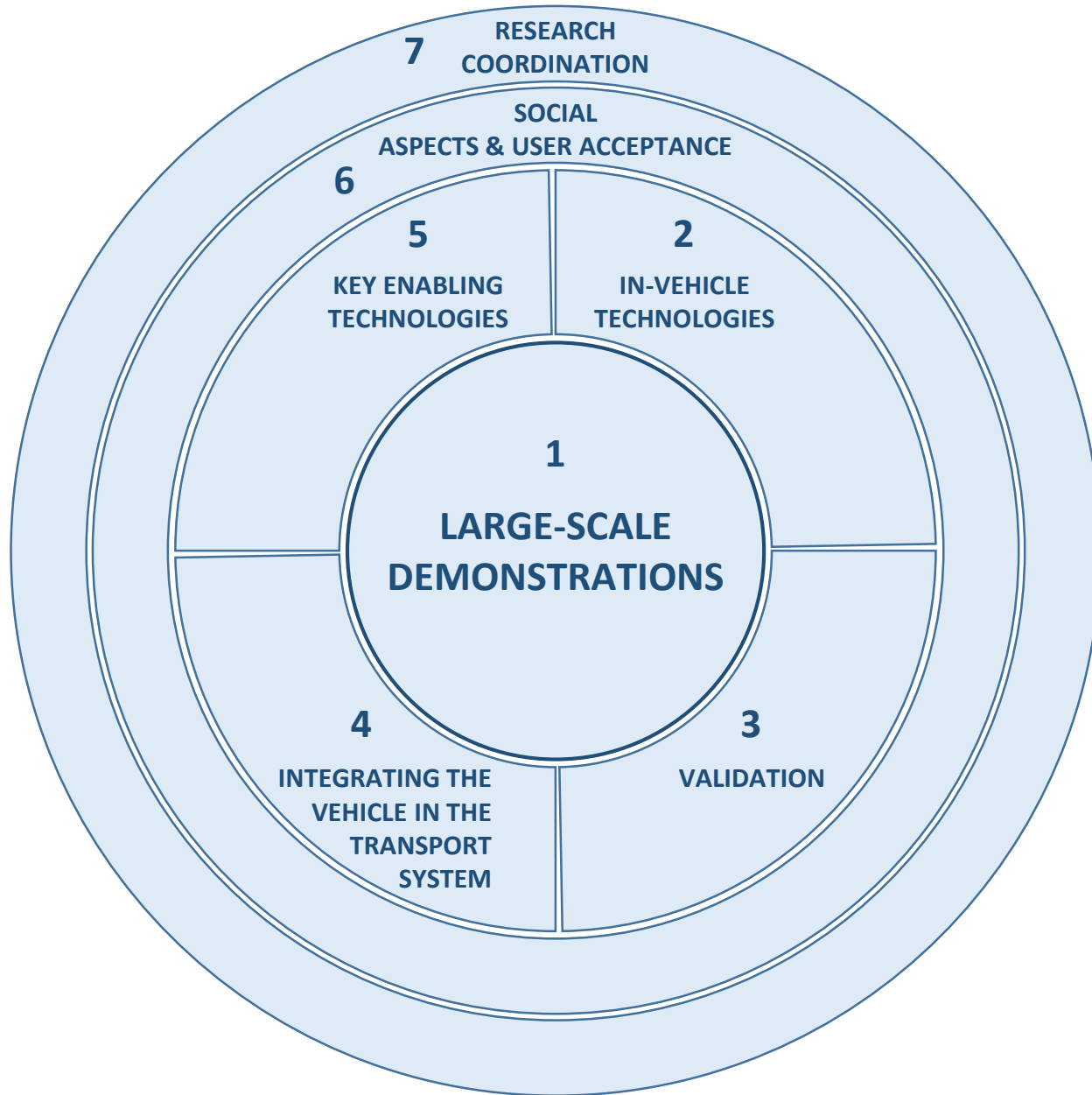
- ▶ All stakeholders of the Partnership shall be gathered within **a non-profit association (aiSBL)** to be created for this purpose.
- ▶ All members will be gathered in **the General Assembly** of the association, which will be responsible for endorsing documents and decisions, ensuring information to all and the transparency of the activities.
- ▶ The General Assembly will elect **its Board**, composed of a Chair and Vice-Chairs, who will be responsible for the daily management of the association, to chair the meetings, and to represent the association towards the European institutions, and for any other external representation required for the operations of the association.
- ▶ Out of the members of the General Assembly will be selected **a precise number of representatives to act as a Delegation of the association.**
- ▶ The Delegation will include representatives of the different sectors involved in the Partnership, ensuring a balanced representation of the different stakeholders. Its members will be selected from the General Assembly
- ▶ **The Partnership Board** will be the body formed by the Delegation of the association and representatives of the European Commission services.
- ▶ **The meetings** of the Partnership Board will take place at European Commission premises, and **will be called by the European Commission services** according to the planning of the Work Programmes definition, to allow a timely consultation and drafting work.

# Stakeholder Community (status 13 April)

## CCAM stakeholders supporting the Partnership development

<b>Research providers</b>	AVL, AIT, CEA, Cerema, DLR, Eurecat, Everis, FEV, fka, Fraunhofer, ICCS, ICOOR, IDIADA, IFPEN, Lero, Ricardo, RISE, SAFER, SINTEF, TNO, VTI, VTT
<b>Universities</b>	Aachen, Budapest, Chalmers, DTU, Eindhoven, Florence, Galway, Istanbul, Leeds, Leuven, Milano, Modena, Mondragon, Paris, Warsaw, Zilina
<b>Automotive</b>	Akka, BMW Group, Bosch, Continental, DAF Trucks, Faurecia, FCA, Irizar, JLR, Renault, Valeo, Volkswagen, Volvo Group
<b>ITS</b>	Bestmile, Dinniq, HERE, TomTom, PTV, Swarco, Ubiwhere, TTS Italia
<b>Telecom/IT</b>	ELMOS, Ericsson, EVERIS, Huawei, NXP, Vicomtech
<b>Infrastructure</b>	Asfinag, Sanef, Vinci
<b>Freight &amp; Logistics Services and Users</b>	ALICE, Colruyt Group, Gebruder Weiss, IDIT, Procter & Gamble
<b>Member States</b>	Austria, Belgium, Czech Republic, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, Netherlands, Norway, Spain, Sweden, UK
<b>Regions, cities and public transport operators</b>	Flanders, Gothenburg, Helmond, Paris/Ile-de-France, Madrid, Stuttgart, Vienna
<b>Representative bodies</b>	ALICE, AMICE, ANEC, CEDR, CLEPA, CONEBI, EARPA, ECTRI, EPoSS, ERF, ERTICO, ETNO, ETRMA, EUCAR, Eurocities, EuroRap, FEMA, FIA, GSMA, IRU, POLIS, UITP, 5GAA
<b>Cluster and test centres</b>	AIPSS, Aurora Snowbox, Austriatech, CARA, Catapult, Drive Sweden, Moveo, PTCarrereta, Tempere, Vedecom, Zalazone

# CCAM - 7 Clusters



**1** Shared automated mobility solutions (11)  
Highly automated passenger vehicles (13)  
Automated commercial/freight vehicles (14)

**2** Environment perception (1)  
Passive & active safety (3)  
On-board decision making (4)  
Human Factors requirements (6.1)

**3** Validation of CCAM systems (5)  
Validation of Human Factors (6.2)

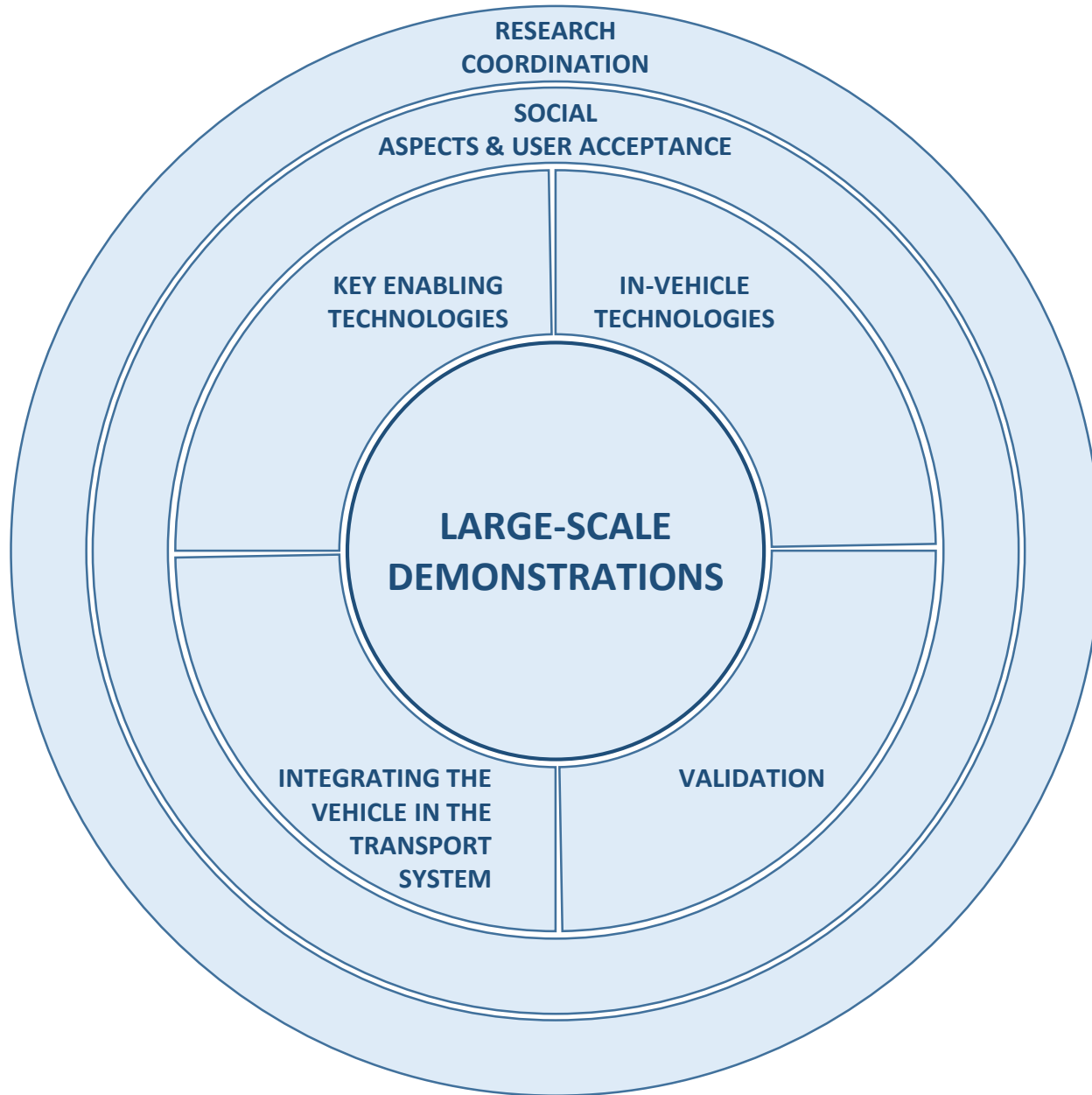
**4** Remote operation and surveillance (7)  
Physical and digital infrastructure (8)  
Connectivity / Cooperative Systems (9)  
Fleet and (mixed) traffic management (12)

**5** Cyber-secure electronics (2)  
Artificial Intelligence (10)  
Data Storage and sharing (21)

**6** Societal needs analysis (15)  
Socio-economic and environmental impact analysis (16)  
Workforce development (22)

**7** European framework for testing on public roads (17)  
Data exchange platform (18)  
EU-wide knowledge base (19)  
Common evaluation framework (20)

# CCAM - 7 Clusters



- ▶ Partnership under Horizon Europe  
⇒ Research & Innovation only, but
- ▶ R&I will feed input to policy, regulatory needs and European harmonization activities
- ▶ R&I will feed input to technical standardization (ISO, ETSI, etc.)
- ▶ R&I activities will link with pre-deployment (e.g. CEF)

# Connected, cooperative and automated mobility partnership -valmistelun tilanne

- ▶ Kumppanuusvalmistelijat jättävät Euroopan komissiolle ehdotuksen strategiseksi tutkimus- ja innovaatioagendaksi (SRIA) kesäkuun loppuun mennessä
- ▶ Agendan sisältöä valmistellaan kahdella työpajakerroksella:
  - ▶ 1. kierros käyty klusterikohtaisissa työpajoissa viikolla 21
  - ▶ 2. kierros käydään klusterikohtaisissa työpajoissa viikolla 25 → tähän voi vielä ilmoittautua mukaan: [info@ertrac.eu](mailto:info@ertrac.eu)
- ▶ Kumppanuudesta ja siihen liittyvästä CCAM yhdistyksestä lisätietoa tulossa pian
  - ▶ Tähän valmisteluun ja yhdistykseen pääsevät mukaan kaikki halukkaat
- ▶ Horizon Europe -rahoitusta voivat hakea kaikki halukkaat, vaikka eivät kuuluisi kumppanuuteen.

# Background

- ▶ 24 January: at CCAM Platform meeting, EC called for the preparation of a Partnership Proposal
- ▶ 17 February: public workshop to gather stakeholders interests
- ▶ 13-23 March: stakeholders consultation on draft Proposal
- ▶ End March - beginning April: stakeholders feedback was analysed and used to further strengthen the proposal. + integrating the CCAM Cluster approach
- ▶ 13 April: submission of the final Partnership Proposal to the EC
- ▶ May/June: draft the SRIA and build the stakeholder community

# Thank you!

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