



Designing a sustainable structure  
to transfer nanosafety research results to the market:

## Creation of the European Centre for Risk Management and Safe Innovation in Nanomaterials & Nanotechnologies (EC4SafeNano)

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Industrial Technologies 2016 – Amsterdam – 22.06.2016

Workshop **Nanosafety: From research to implementation of Risk Management and Safe Innovation in the nanotechnology industry**

# Context and objectives

Safe innovation & sustainable production with MNMs need that we:

- Understand risks and benefits (diagnostic, assessment)
  - Identify and implement risk reduction strategies (manage)
  - Communicate on residual risks (acceptance)
- Huge knowledge on characterization, hazards, diagnostic (science)  
Little effective use of it for operational risk management (expertise)

Objectives of the centre:

- Bridge the gap between research and application (public, private),
- Bridge the gap between knowledge on risks and risk management,
- Balance between Science and Appliance,

in a sustainable way: Efficient & Sustainable structure  
Collective, harmonized, shared expertise  
EU scale, internationally connected

# Context: Recommendations by

**NanoSafety  
Cluster**



## Closer to the market roadmap (CTTM)

Andreas Falk, Christa Schimpel, Andrea Haase, Benoît Hazebrouck, Carlos Fito López, Adriele Prina-Mello, Kai Savolainen, Adrienne Sips, Jesús M. Lopez de Ipiña, Iseult Lynch, Costas Charitidis, Visser Germ: "Closer to the market"-Roadmap (CTTM), 2016. @ [www.nanosafetycluster.eu](http://www.nanosafetycluster.eu)

**Aim:** Market implementation of scientific knowledge:

- Liberate the positive economic impact promised by nanotechnologies
- Enhance consumer and regulatory confidence

**Objective:** Solid operational knowledge: scientific expertise & datasets

**Way:**

- Dialogue between science, industry, public bodies, civil society
- Inclusive European approach + strong global interaction
- Bundling activities in the EU: Hub of best-practice & national networks

**Outcomes:**

- Easy-to-apply safety thresholds
- Benchmarking of skills and jobs
- Alternative solutions with discussions.
- Harmonized tools and methods:
  - Educational, risk-management, guides...
  - Tested, made free for routine implementation

→ Clear "risk and safety framework"

# Concept

## A Core group of experts

Member state representatives

Providing support both for private and public sectors

## Gathering expertise

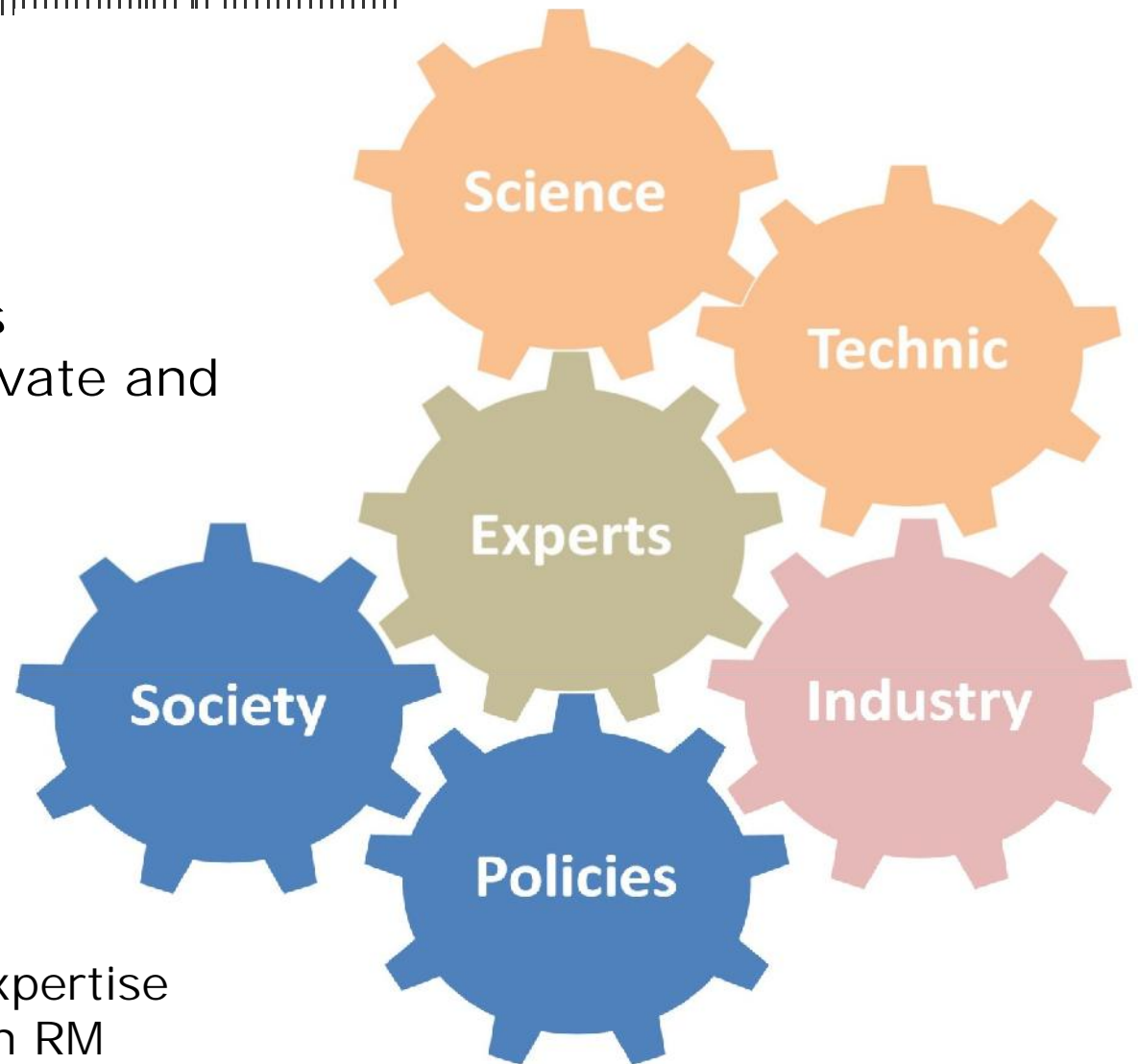
knowledge from all actors

- Industries, organisations
- Technological Centres
- Society, NGOs
- Policy makers...

## Clustering

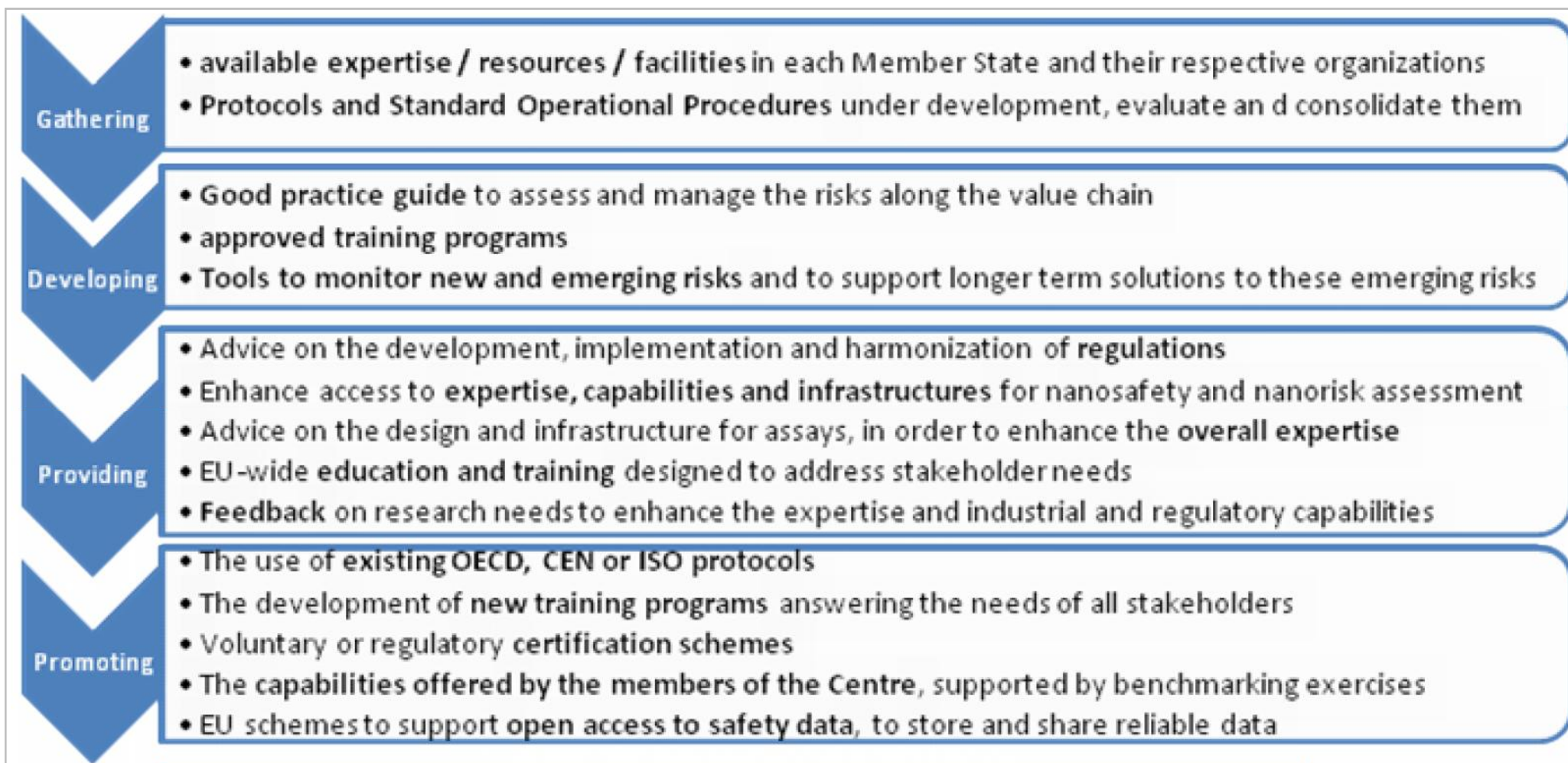
Technological platforms, tools, expertise dedicated to elements involved in RM

For a specific objective :  
risk management & safe innovation in MNMs





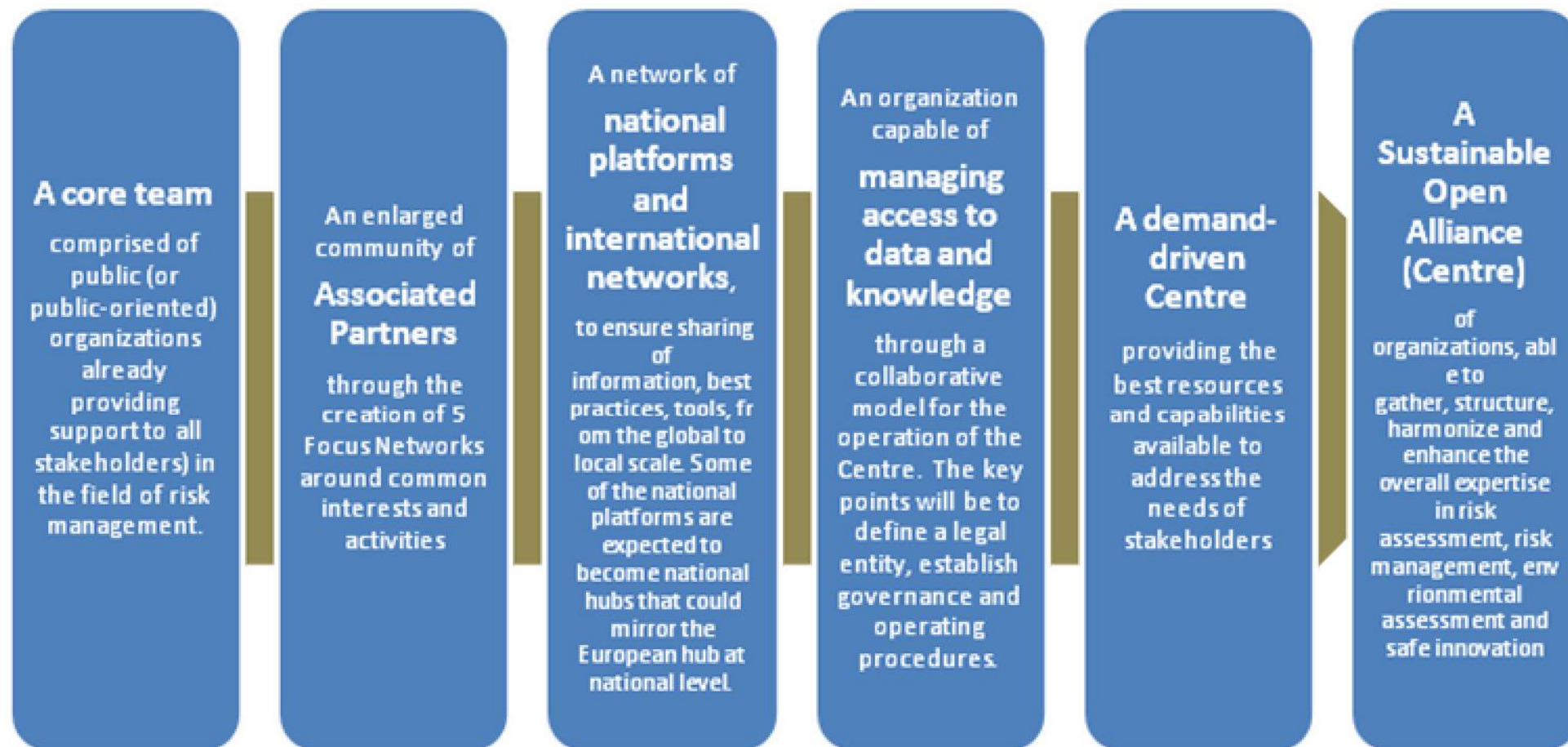
# Services



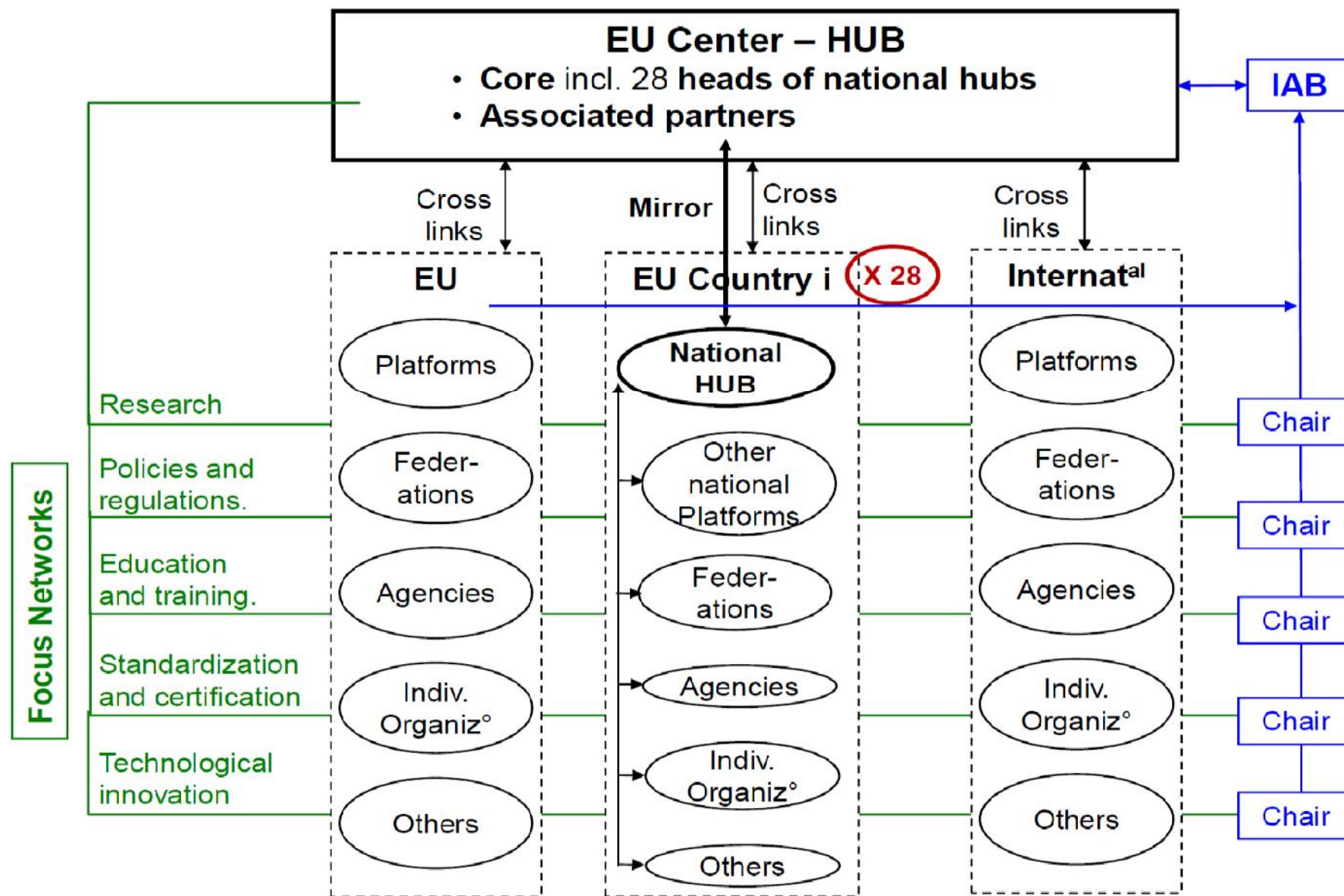
## For

- Member States (MS)
- EC and EC Agencies
- Private sector: Industry, safety providers, training organizations,...
- Civil society (NGOs, groups of citizens).

# Actors - roles

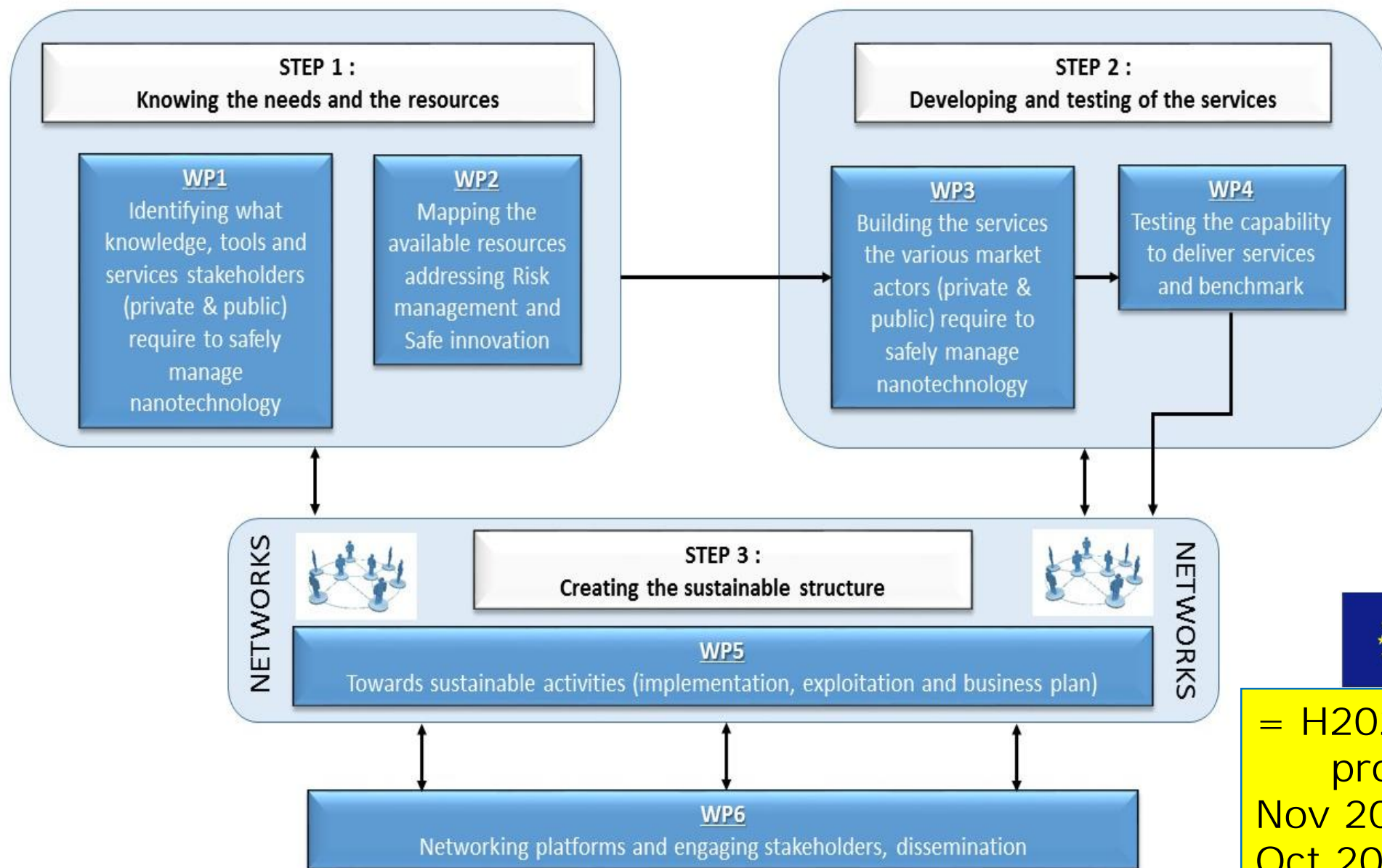


# Actors – organization (vision)





# Approach



= H2020  
project  
Nov 2016-  
Oct 2019

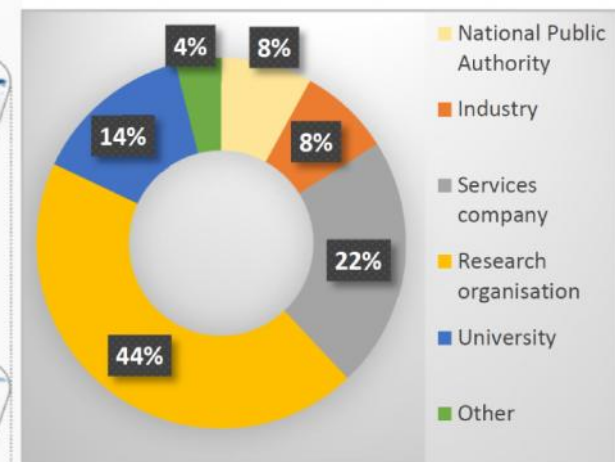
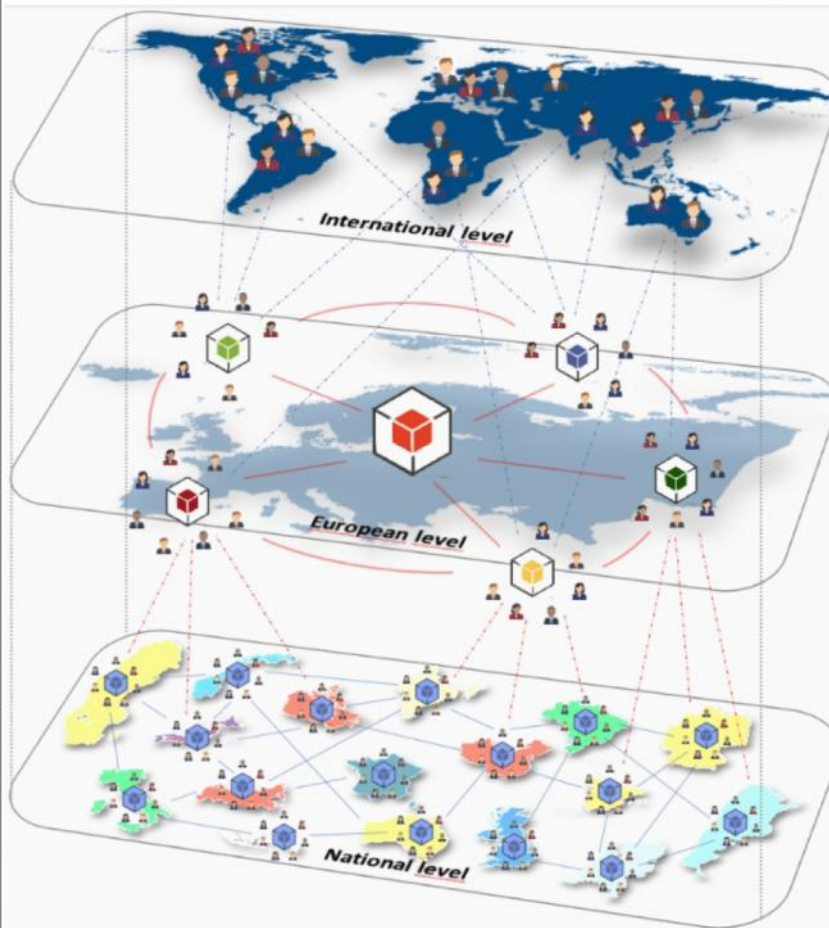


# Partnership: core group and associated partners

## Core Group: 15 EU Partners



## Associated Partners: today 50, tomorrow ...



You? Welcome!



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## Final remark:

The creation of the European Centre for Risk Management and Safe Innovation in Nanomaterials & Nanotechnologies (EC4SafeNano) is on the way thanks to:

- The commitment of recognized organisations
- The involvement and support of stakeholders and the European Commission
- All together to take the best of the available knowledge on nanosafety to achieve the smarter decisions for risk management