



Knowledge management

The whole is greater than the sum of its parts



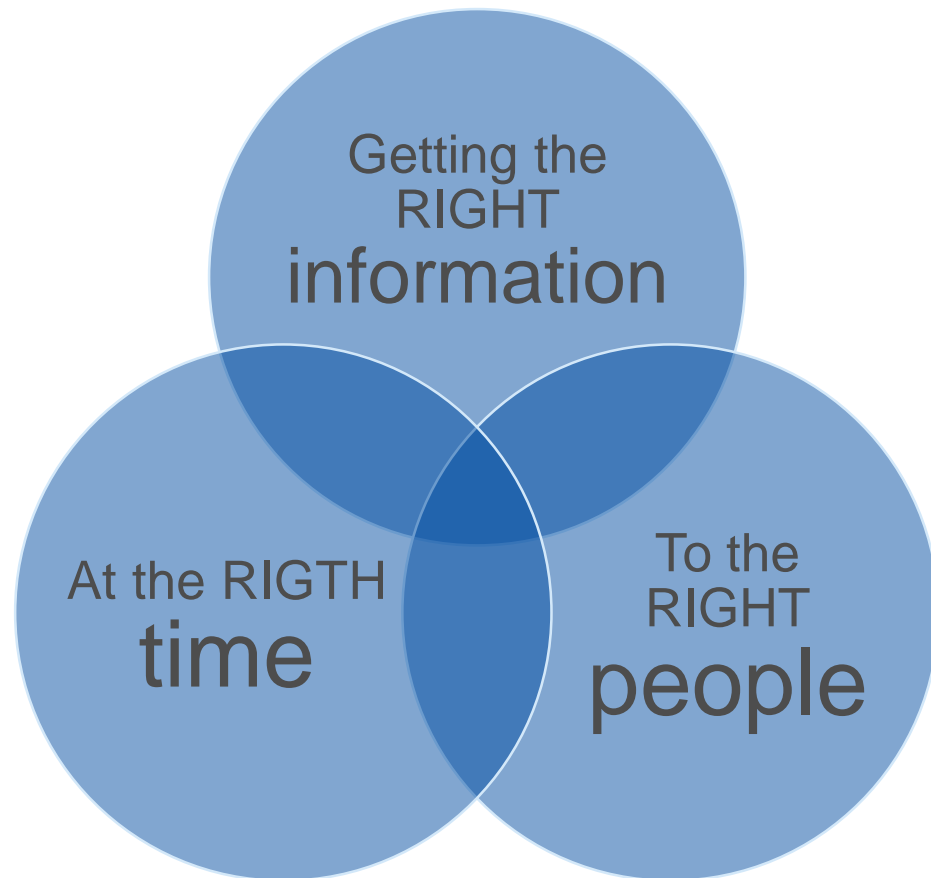
Joint Research Centre

The European Commission's
science and knowledge service

Karmen Poljanšek

THE DRIVER+ ADVANCED CRISIS
MANAGEMENT CONFERENCE
19-20 February 2020, Brussels

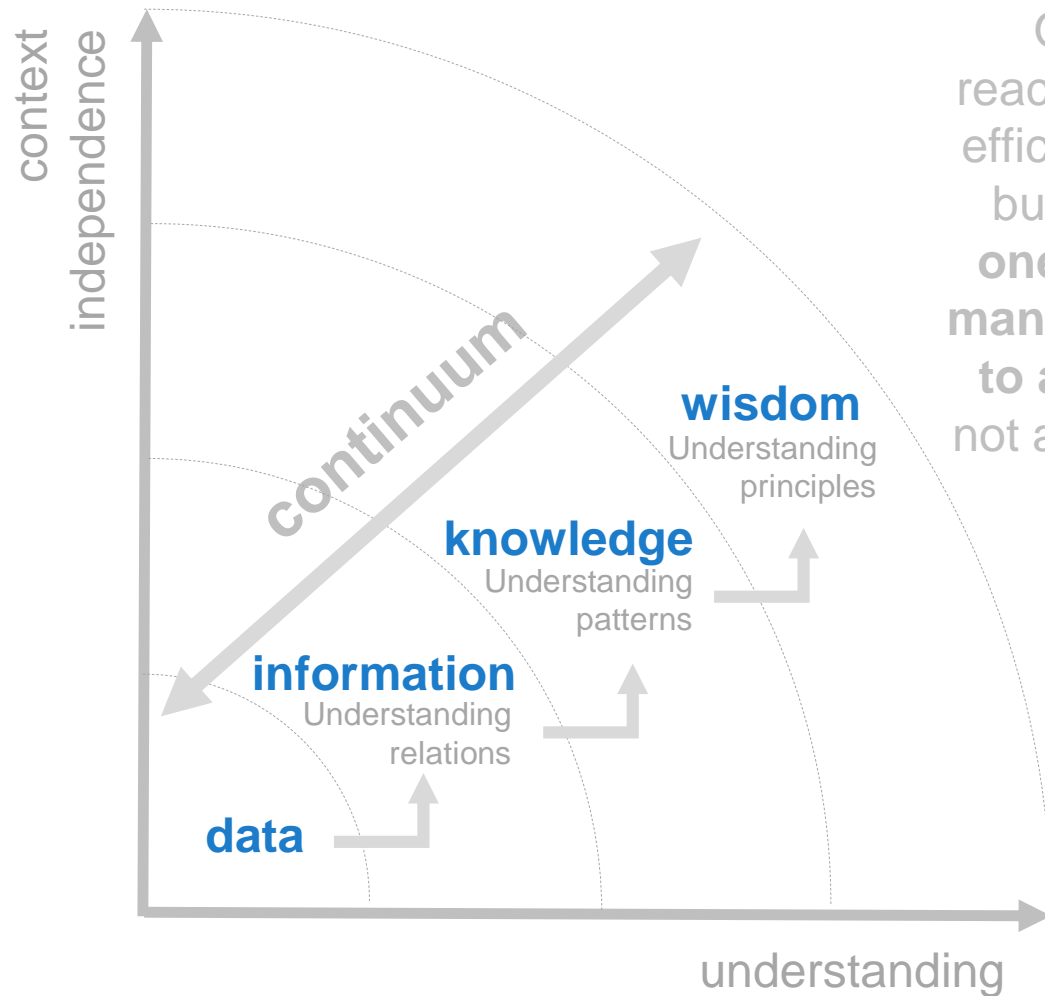
The purpose of knowledge management



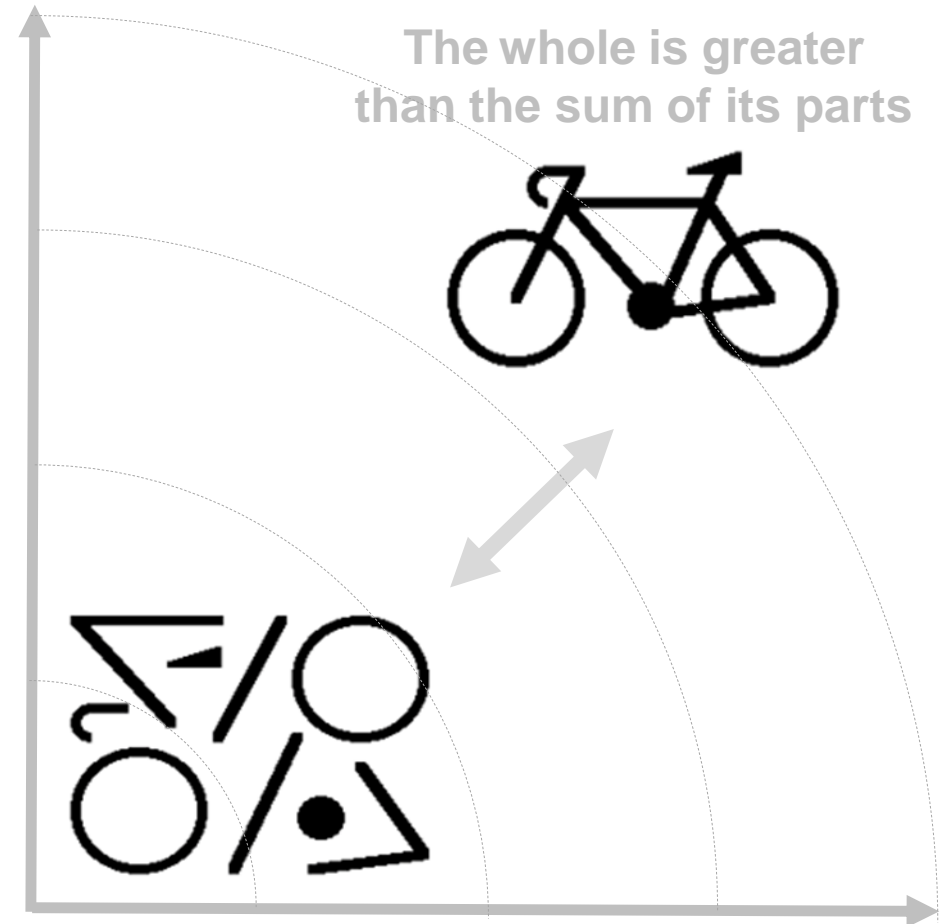
The **value**
of **knowledge
management**
relates directly to the
effectiveness

But what is this stuff called knowledge....

...which there seems such a desire to manage

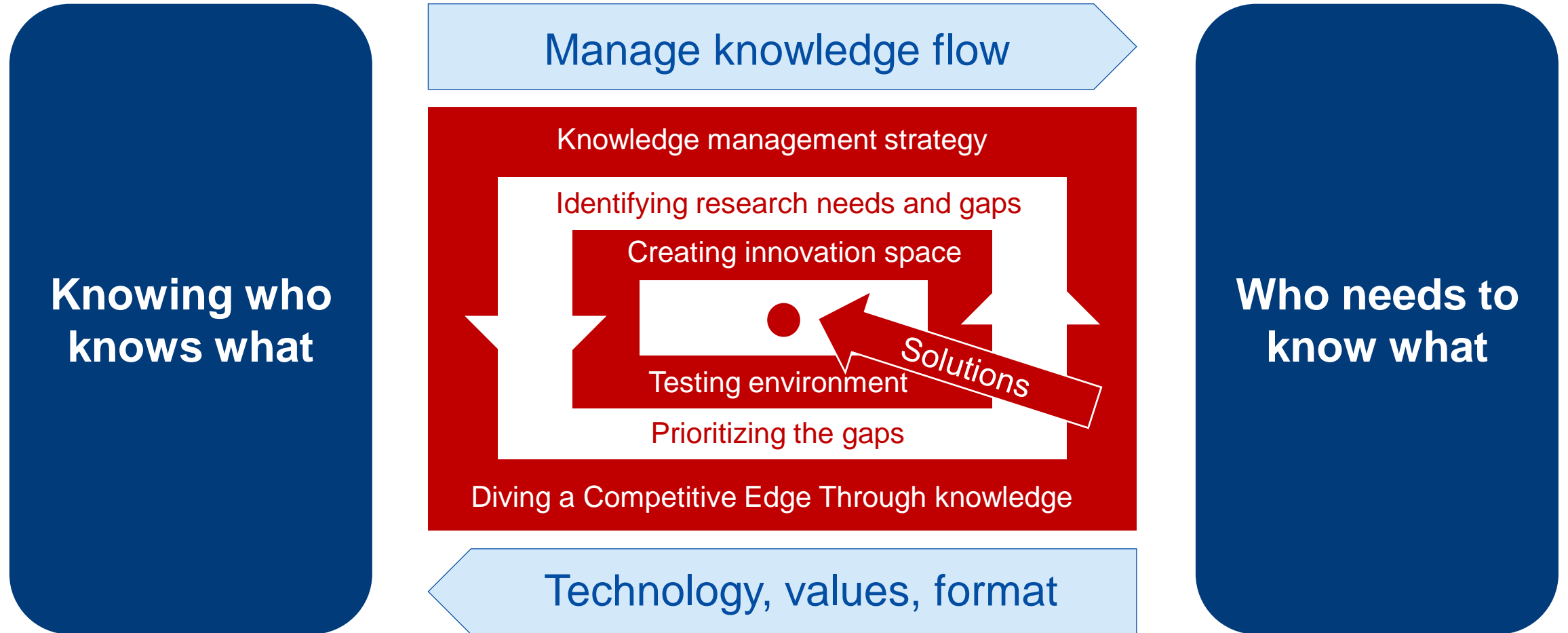


Often reached with efficient KM, but KM is one of the many means to an end, not an end to itself



How to get there

...and keep it sustainable



Scaling up...

...to the European level

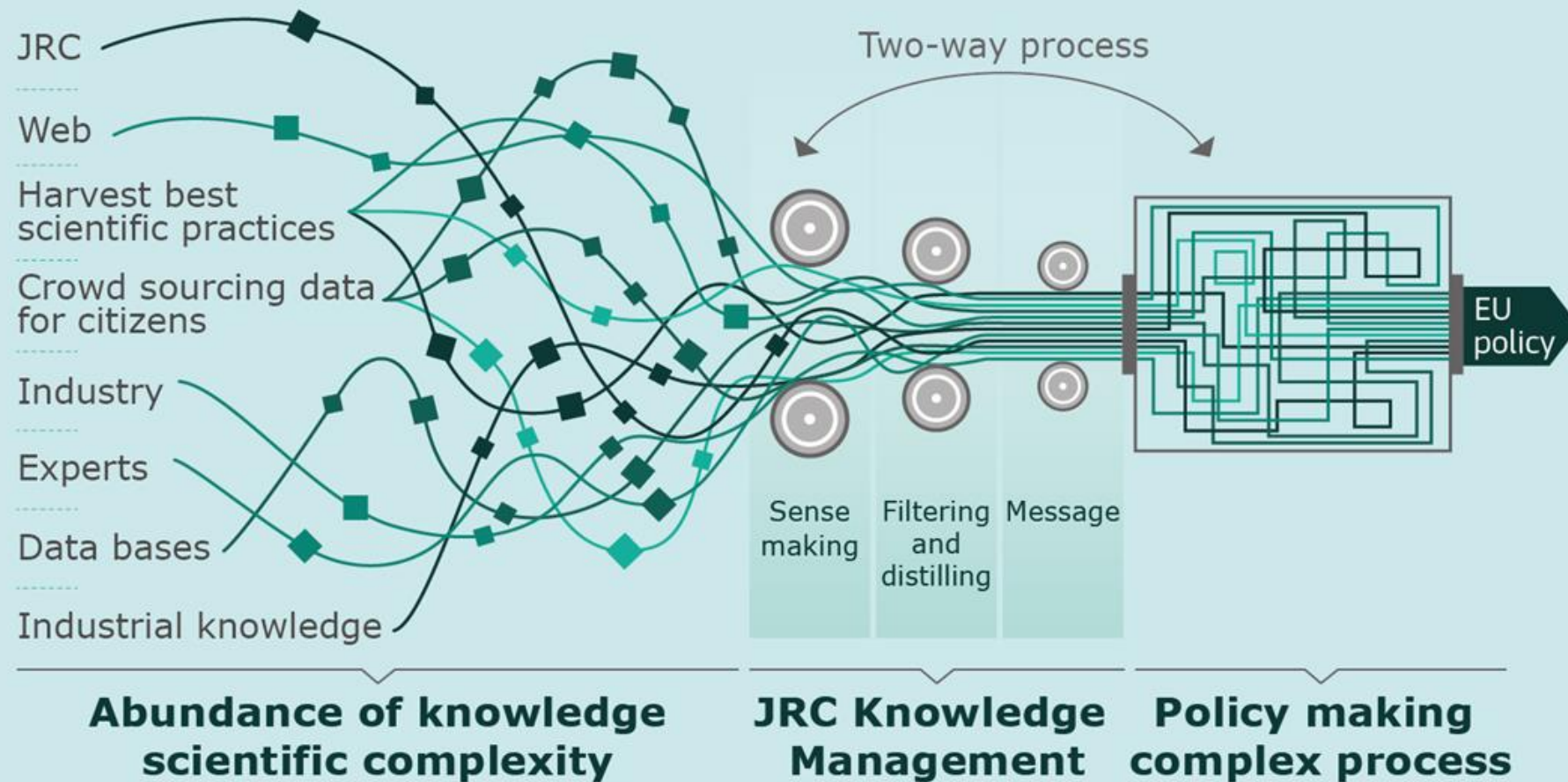
JRC's Mission

*As the science and knowledge service of the Commission our mission is to support EU policies with independent evidence throughout **the whole policy cycle***



*To play a central role in **creating, managing and making sense** of collective scientific knowledge for better EU policies.*

The purpose of EC Knowledge Centres



*The aim of the knowledge centres is to **collect, check, structure and make easily accessible and comparable** all the relevant data, knowledge and intelligence in a specific policy field*

Grounding Knowledge Centres within the context of the organization's strategy

Disaster Risk Management Knowledge Centre



Knowledge Centre for Global Food and Nutrition Security



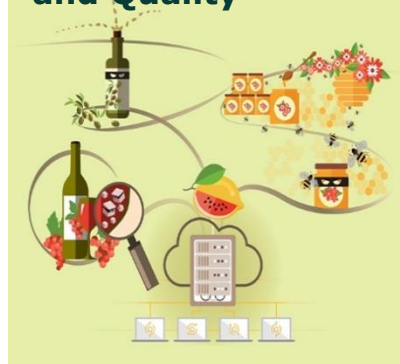
Knowledge Centre on Migration and Demography



Knowledge Centre for Territorial Policies



Knowledge Centre for Food Fraud and Quality



Knowledge Centre on Bioeconomy



Enhancing the Knowledge base to support **Disaster Risk Management** and ensuring the **uptake of science** in **DRM policy** formulation and implementation

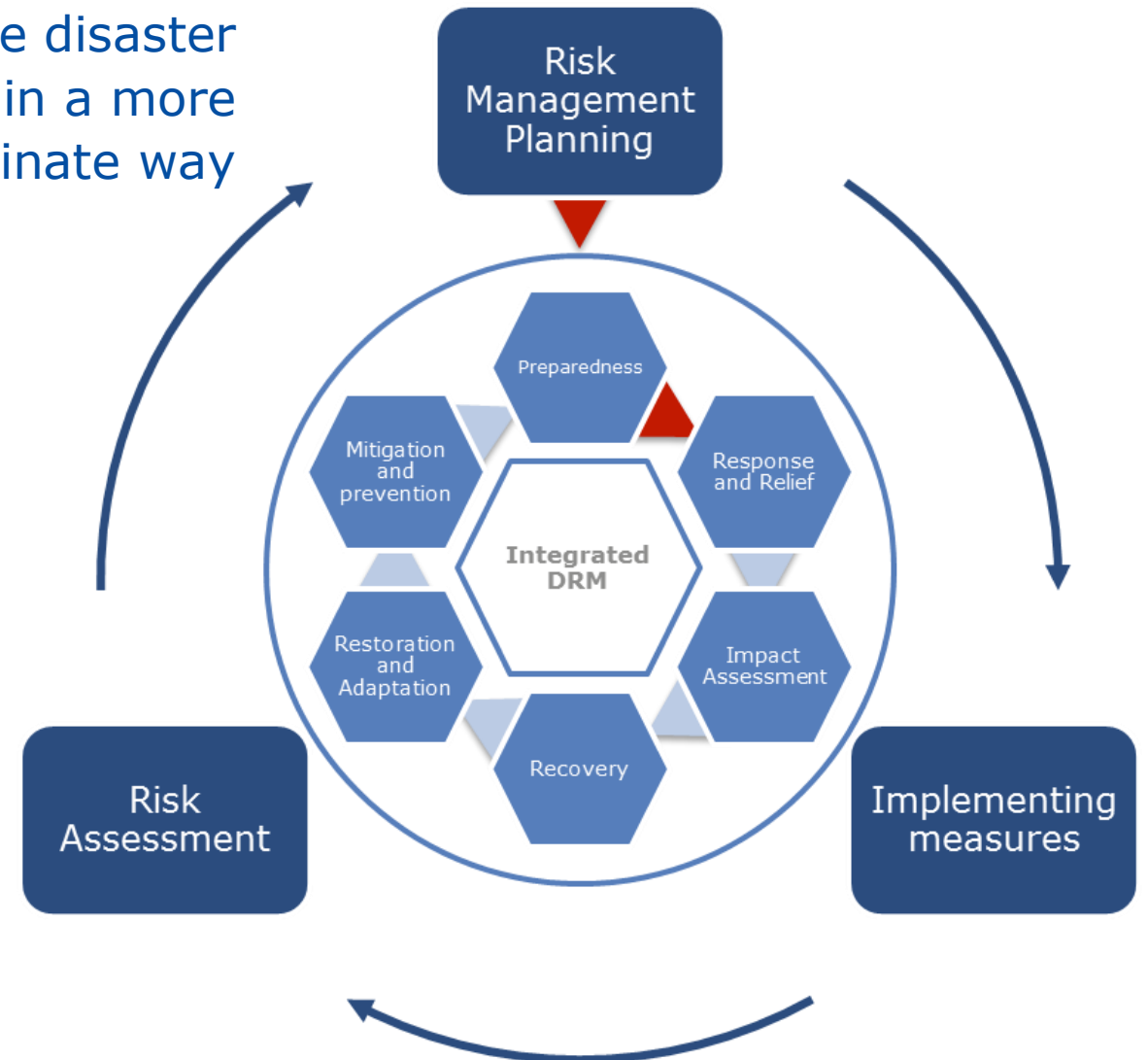
*Specific knowledge and competence centres will be set up for issues that fall under the **policy priorities** of the Commission [...] The relevant DGs will form thematic networks to underpin the work of the knowledge centres.*

Disaster Risk Management Knowledge Centre

September 2015



...to manage disaster risk in a more coordinate way



Changing risk landscape needs better use of science

CHALLENGES



Networks
fragmented

Silos and overlapping
initiatives



Knowledge
fragmented

Research results are not
exploited, science doesn't
reach policy and operations



Benchmarking
gaps

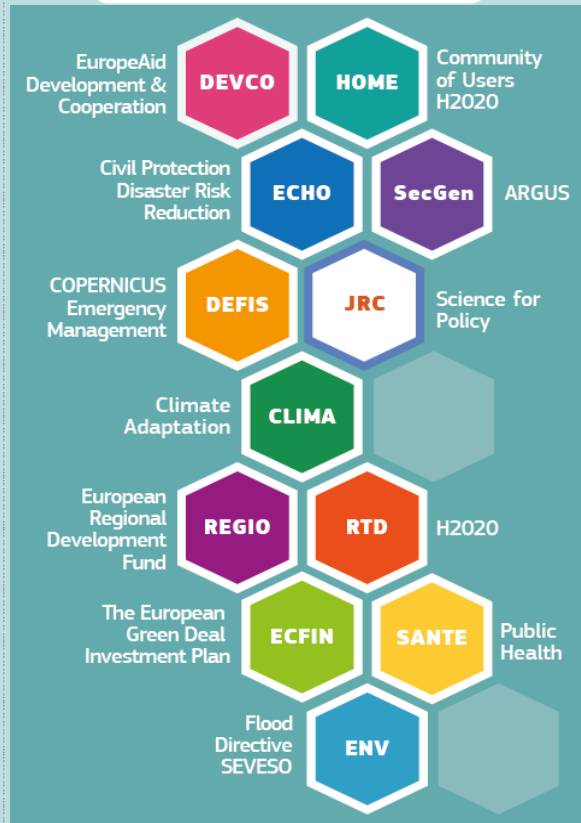
Science needs testing to allow
further development and
transfer

Understanding the disaster risk is essential

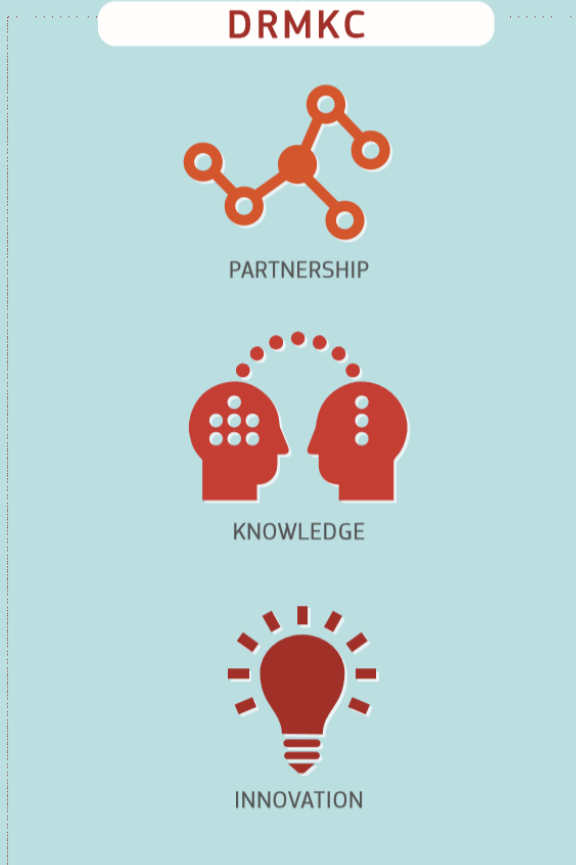
DRMKC PROVIDES A **NETWORK APPROACH** TO THE **SCIENCE POLICY INTERFACE** IN **DISASTER RISK MANAGEMENT**

OUR ROLE

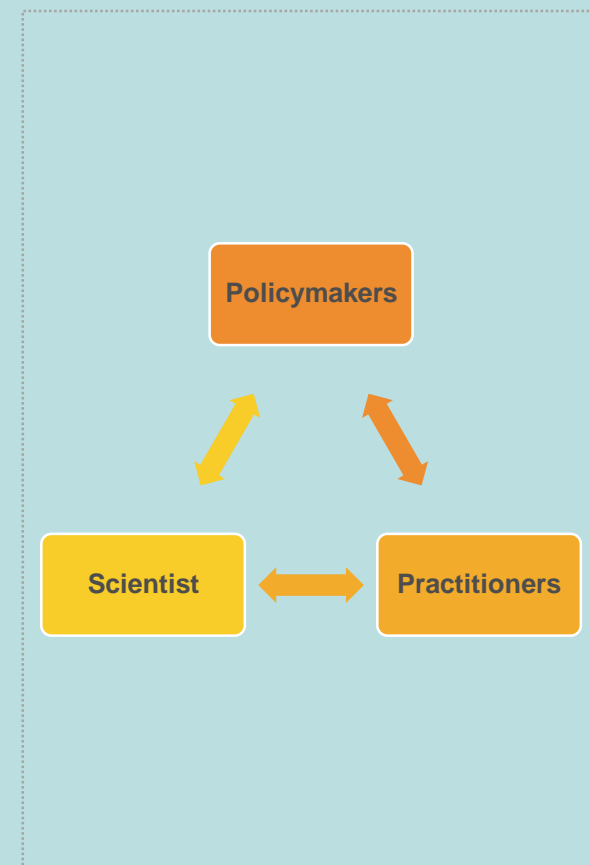
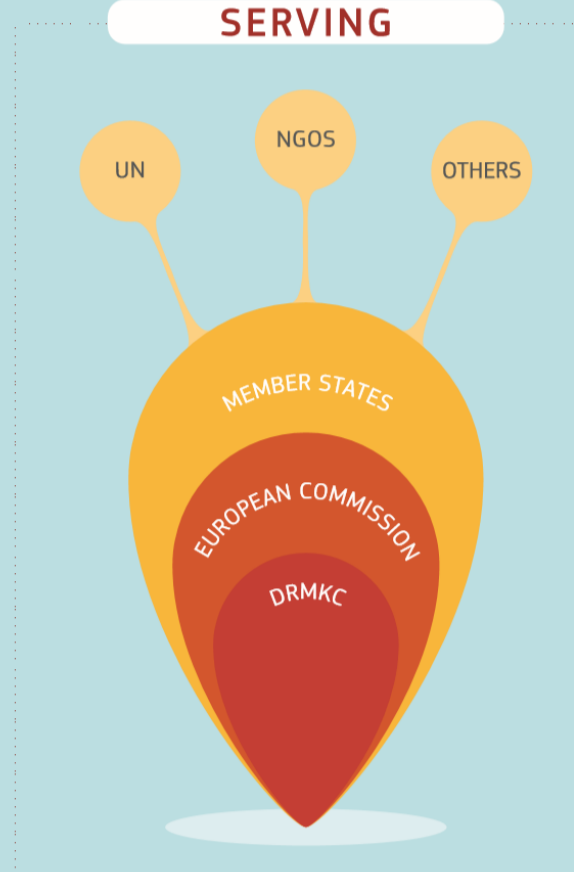
EC DIRECTORATES



DRMKC



SERVING



The pillars of DRMKC



PARTNERSHIP

Improving science based advice through networks and partnership

KNOWLEDGE

Improving the use and uptake of research and operational knowledge

INNOVATION

Advancing technologies and capacities in disaster risk and crisis management



Where knowledge begins

Fostering EU-level **disaster science networks** in support to the European Response Coordination Centre (ERCC) and Member States.

Where knowledge applies

Improving the science-policy interface by providing science-based advice to **policy development** services and support to Member States for **policy implementation**.

Where knowledge meets

Pooling of information and granting access to scientific results and expertise to boost **transfer of research outputs** to end-users.

Where needs are identified

Disseminating knowledge, research results and information looking for **identification** of research **needs and gaps** in disaster risk and crisis management.

Where gaps are filled

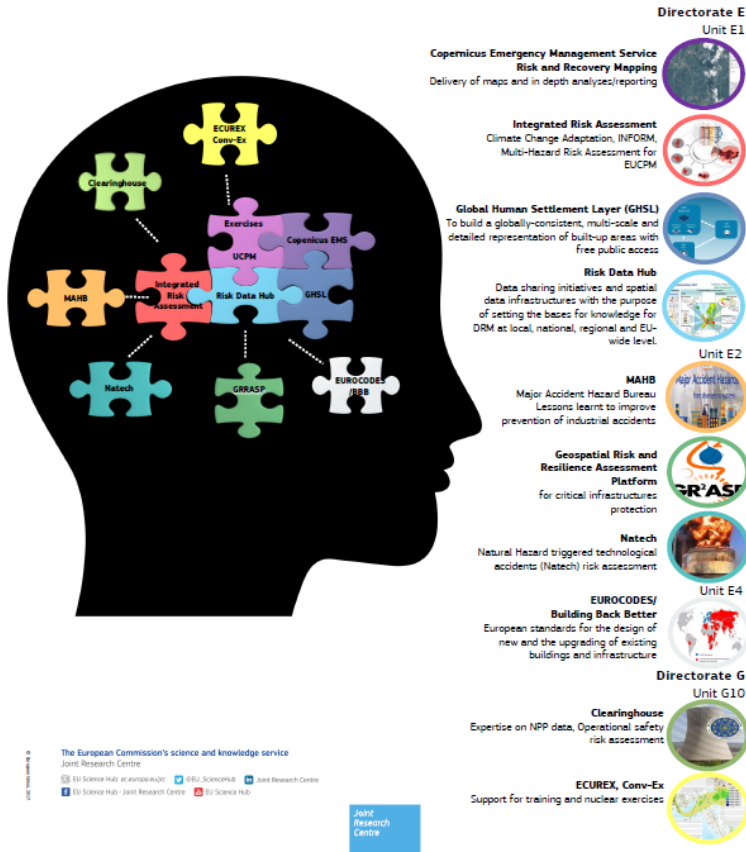
Implementing a Support System for Member States providing **scientific and technical advice** for **harmonized development**.

Where innovation is tested

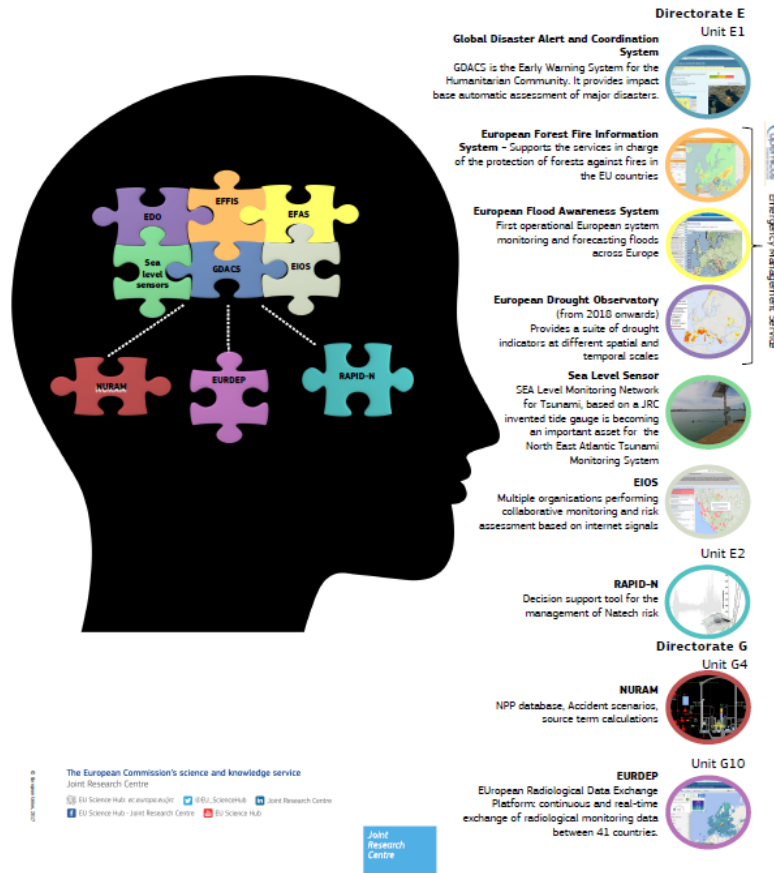
Developing dedicated **technologies** and **capabilities** to support different types of emergency management operations and disaster recovery processes.

DRMKC - From complexity to enhanced efficiency...

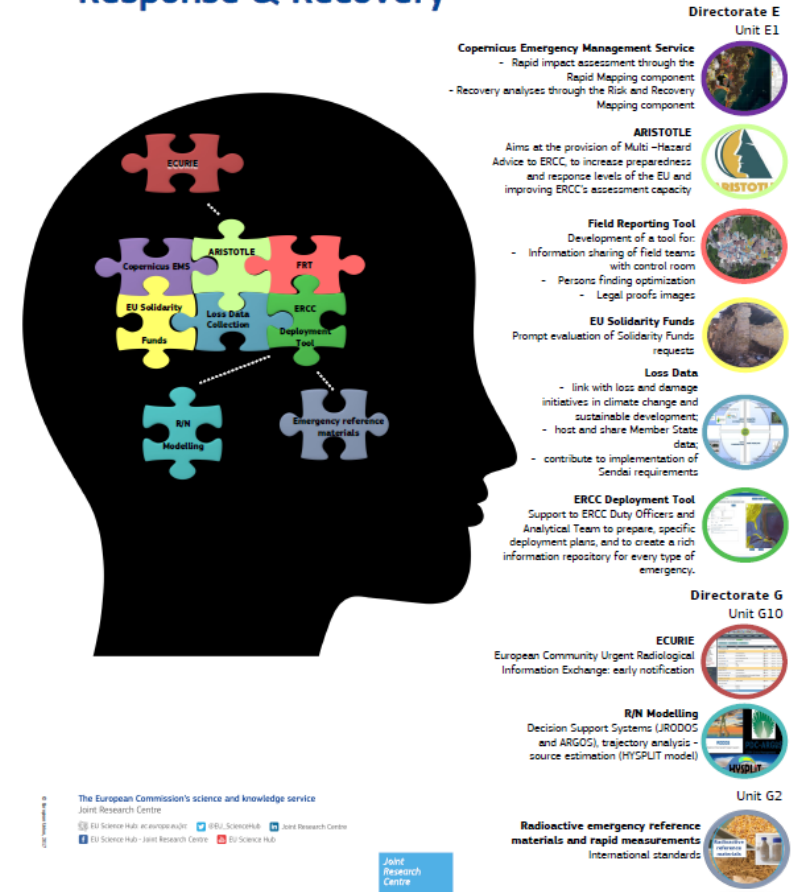
Prevention - Mitigation - Adaptation



Preparedness - Early Warning System



Response & Recovery



DRMKC - Bringing together experts and sharing the same objective



....covering disaster risk management in cases of **natural and man-made** hazards, including pandemics and epidemics and chemical, biological, radiological and nuclear (CBRN) threats.

DRMKC – Developing Collective Knowledge to support the advance of Innovative Policies

Developing collective knowledge

Science for policy

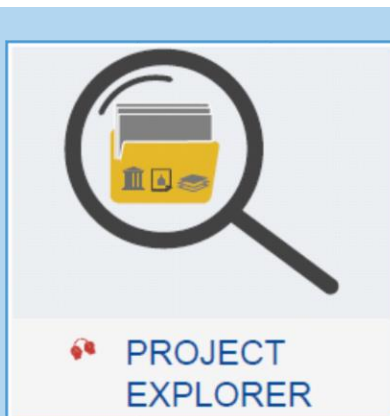
Knowledge transfer

Map the gaps

Co-develop and uptake of solutions



Towards V1



The DRMKC Projects Explorer is continuously updated with information regarding research projects and institutions. It is an essential tool to discover who knows what.



The DRMKC Gaps Explorer offers science-based knowledge and targeted recommendations, tailored to different stakeholder profiles – scientists, practitioners and policy-makers, regarding the way forward.



Managed knowledge enables us to better deal with today's situation and effectively protect our future



Thank you



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