

The European Commission's science and knowledge service

Joint Research Centre

Science for Policy 2.0

Vladimir Sucha



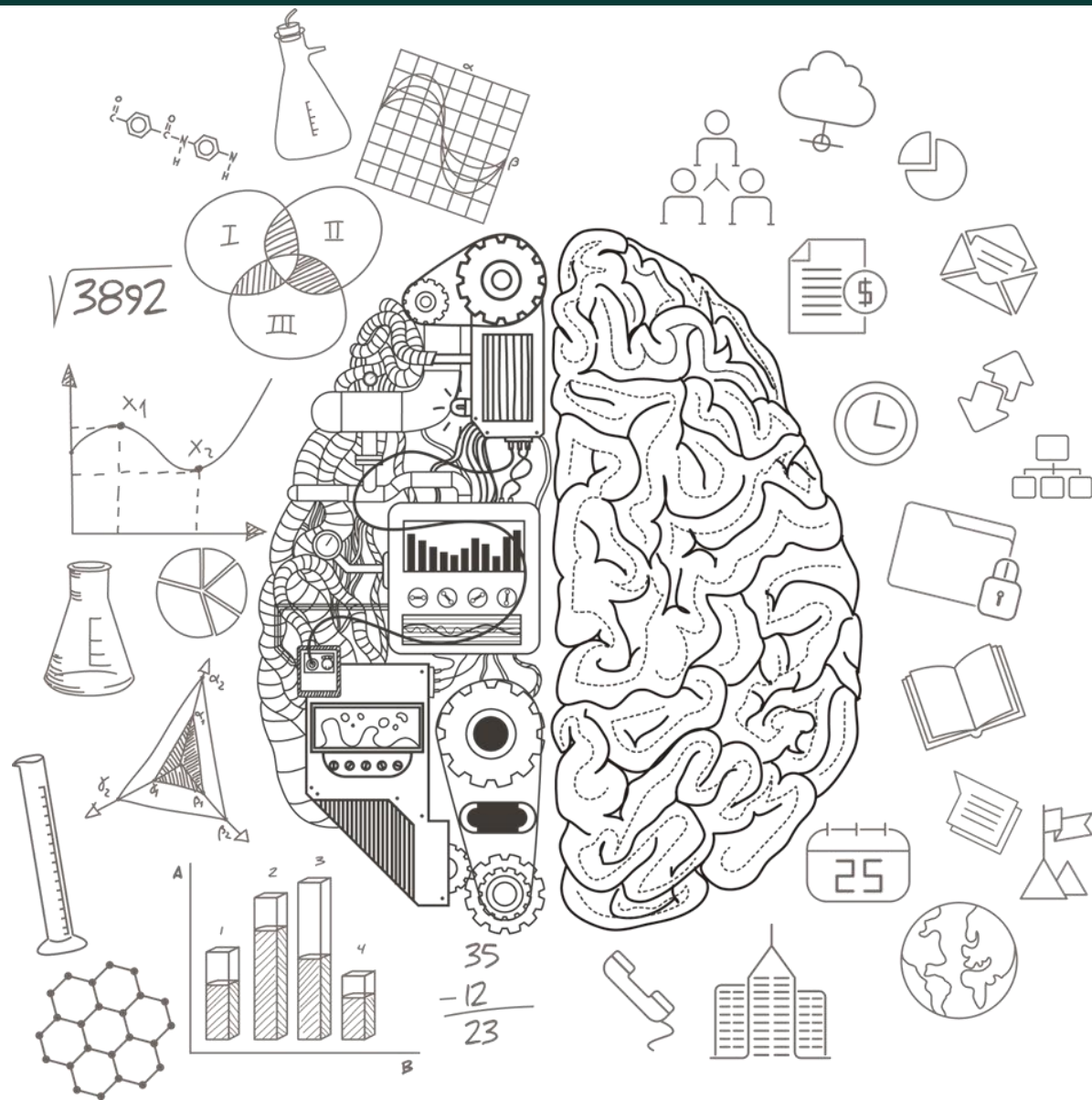
From Collision to Interaction



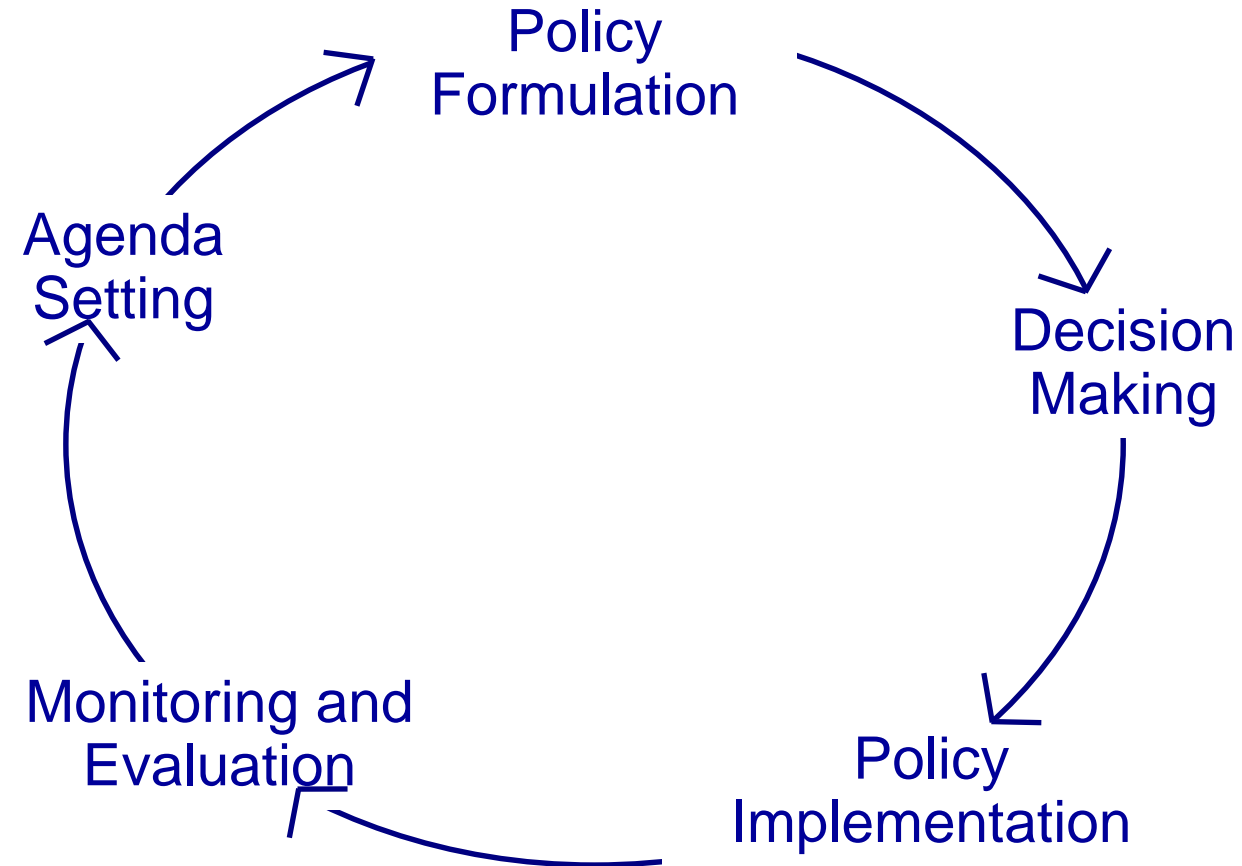
SCIENCE

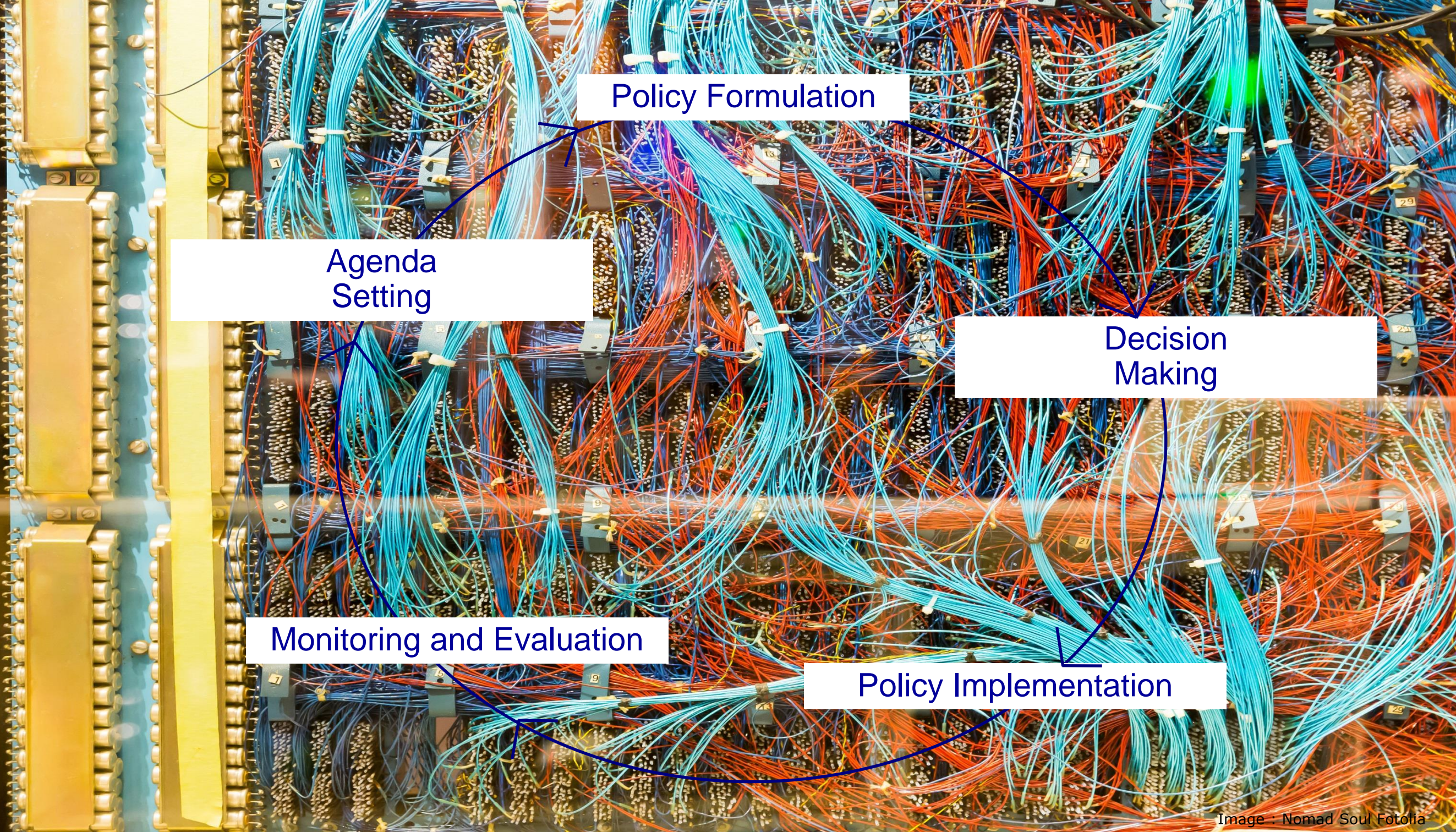
POLICY

Evidence for policy 1.0



Classic policy cycle is a concept only





Policy Formulation

Agenda
Setting

Decision
Making

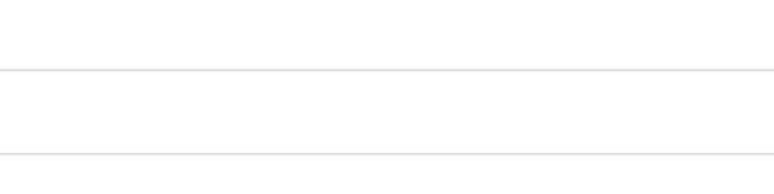
Monitoring and Evaluation

Policy Implementation

Infrastructure



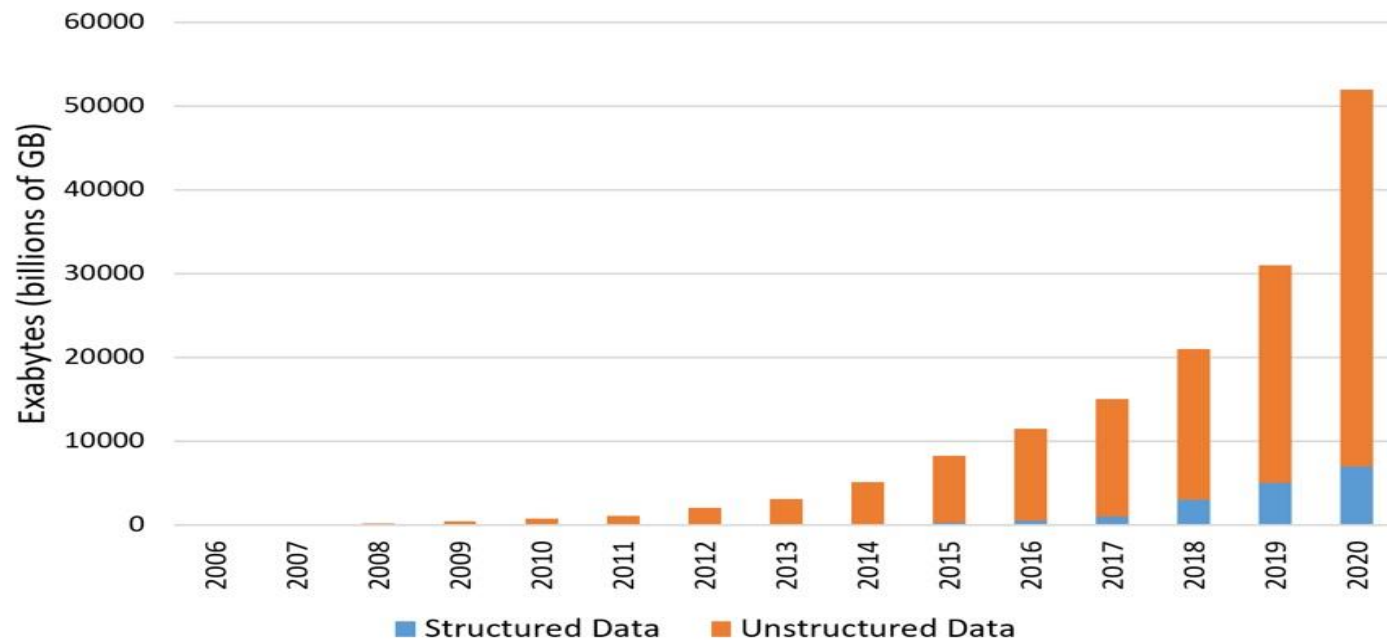
Analytics



Applications



The Cambrian Explosion...of Data



Data Sources & APIs



Last Updated 3/23/2016

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FIRSTMARK



Debatable

Misleading

Mostly true

False

True





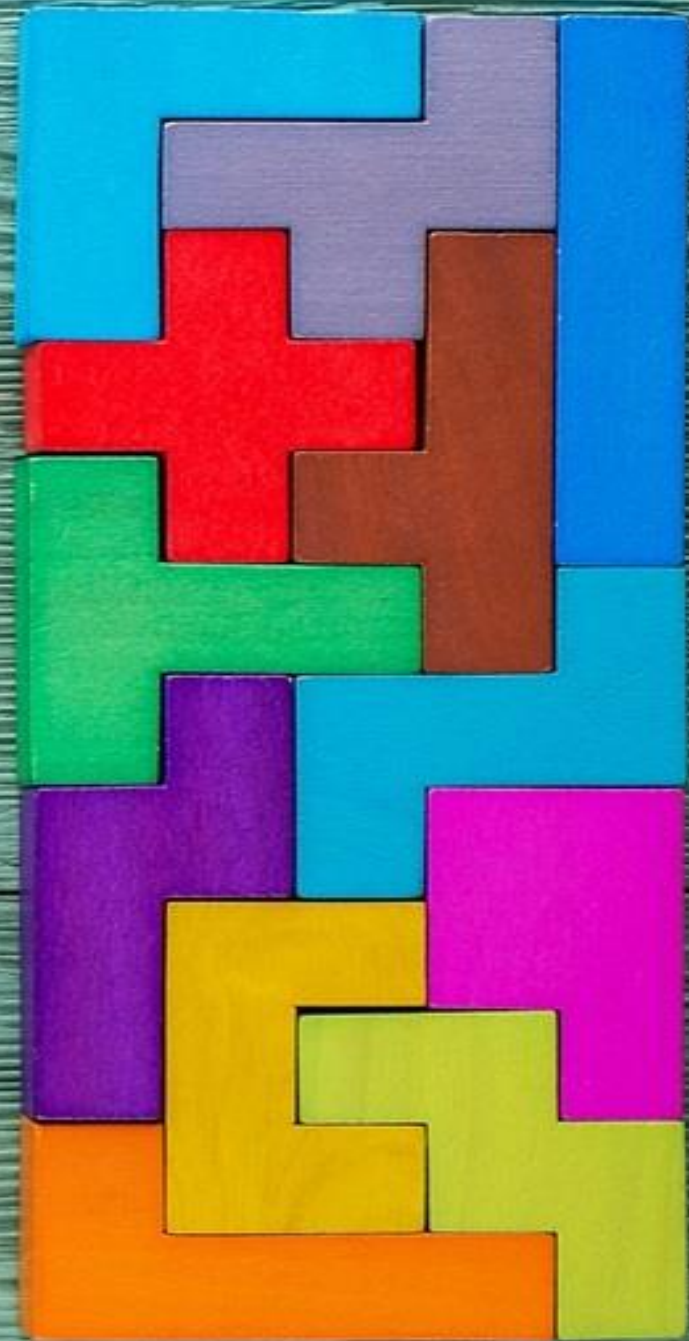
Uncertainty and risk

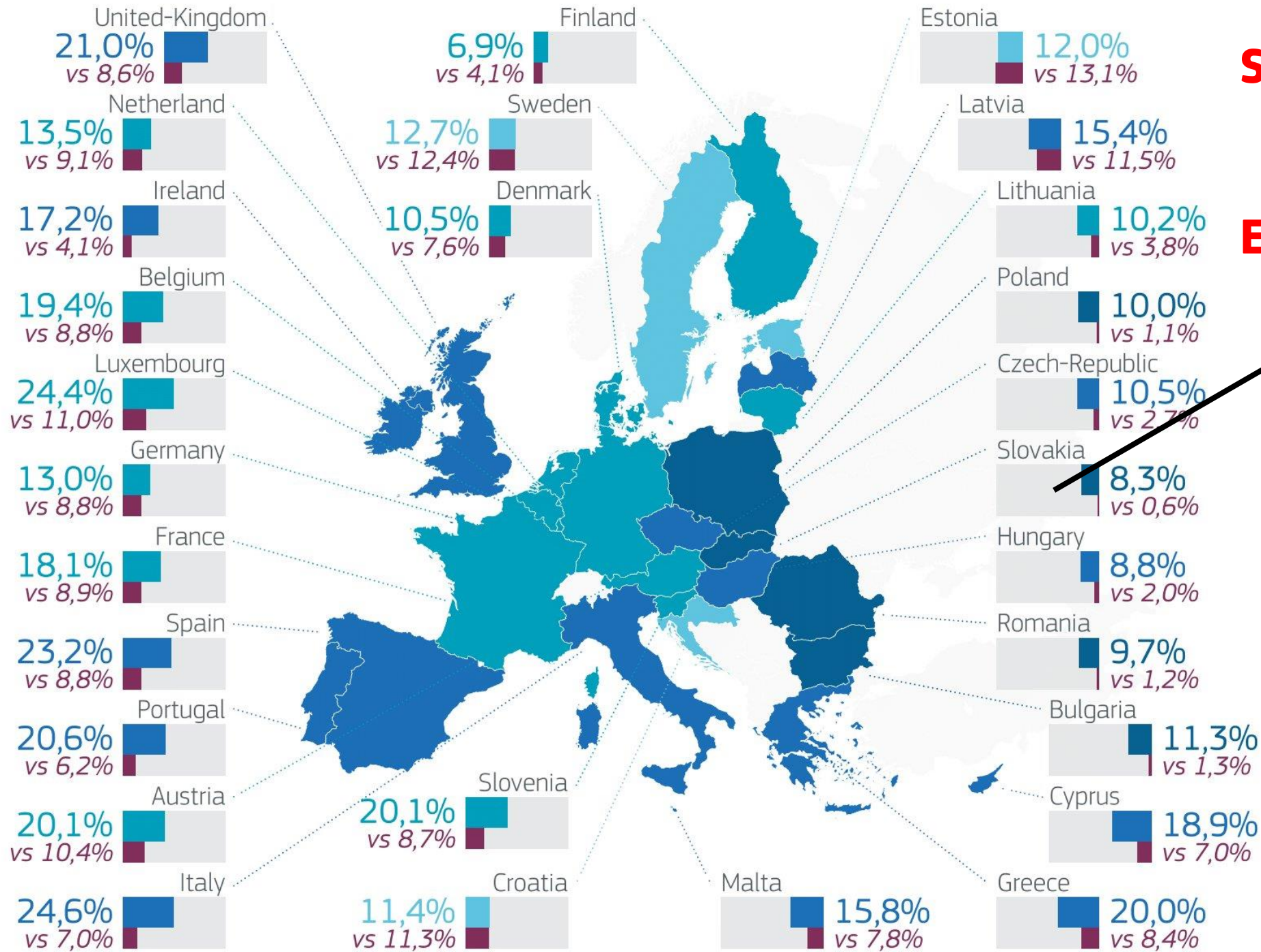
Knowledge is locked-in the boxes

We are far from achieving true inter and
trans-disciplinarity



Crisis in science





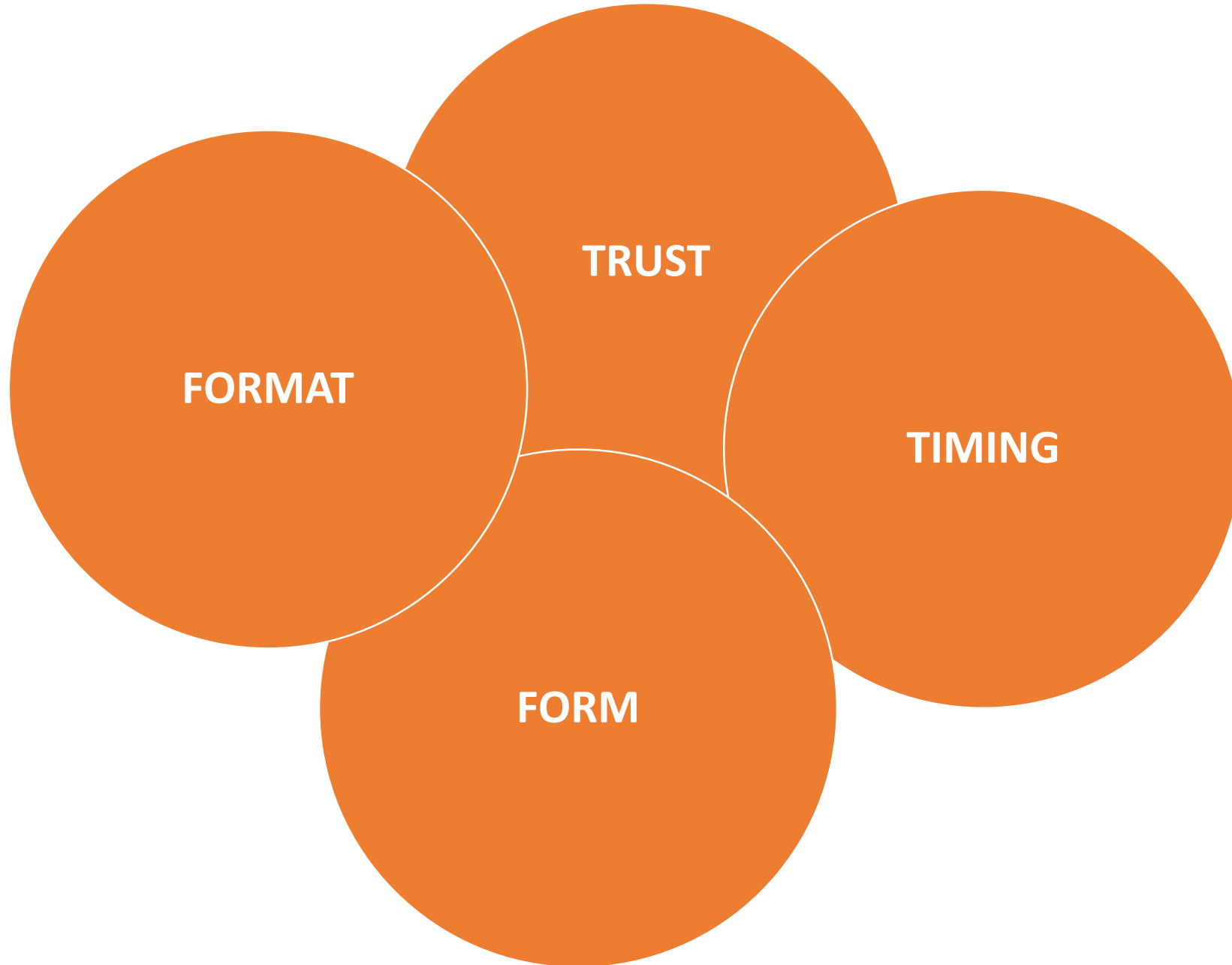
Share of immigrants

Estimation vs reality

Overestimated
14x

What are the emerging solutions?

Evidence for policy 2.0

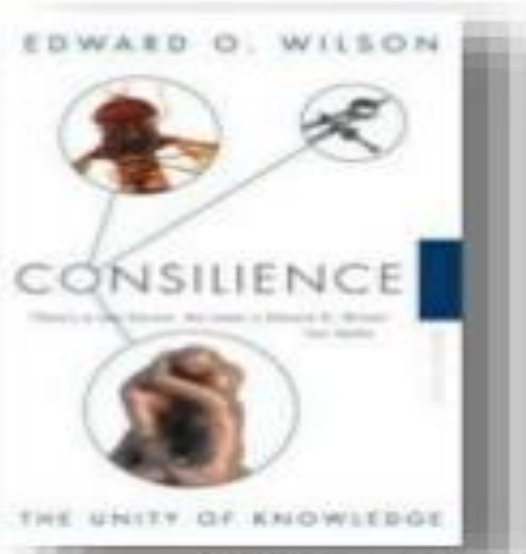




**KNOWLEDGE
IS POWER**



Consilience



(EO Wilson, 1998)

- “We are drowning in information, while starving for wisdom. The world henceforth will be run by synthesizers, people able to put together the right information at the right time, think critically about it, and make important choices wisely.”

Knowledge management



Making sense of knowledge

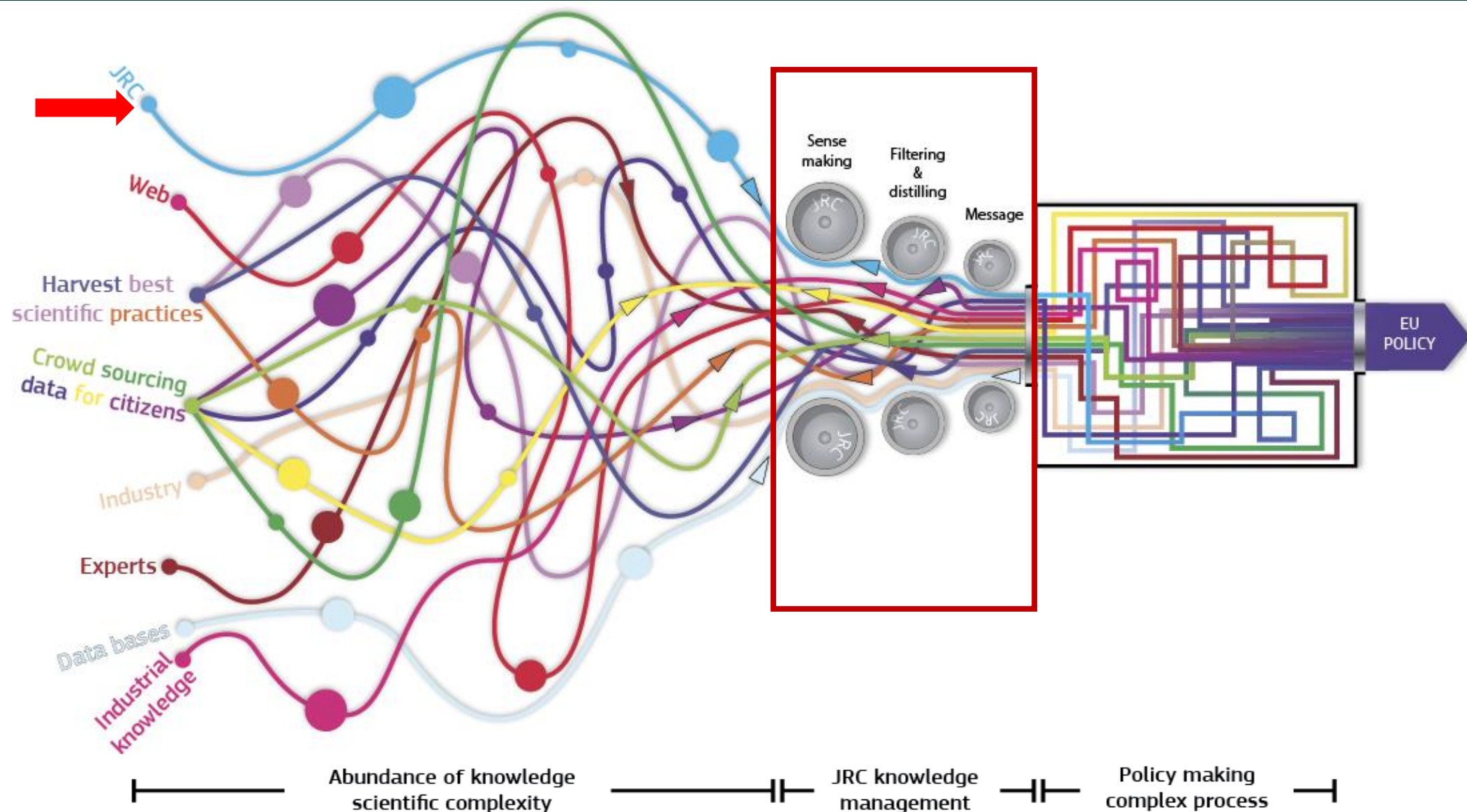


Interaction, Co-creation & co-production

Communities of knowledge



JRC - EU Commission Science and Knowledge Service



Vertical knowledge management

**Disaster Risk
Management
Knowledge
Centre**



**Knowledge
Centre on
Migration and
Demography**



**Knowledge
Centre for
Territorial
Policies**



**Knowledge
Centre on Bio-
economy**

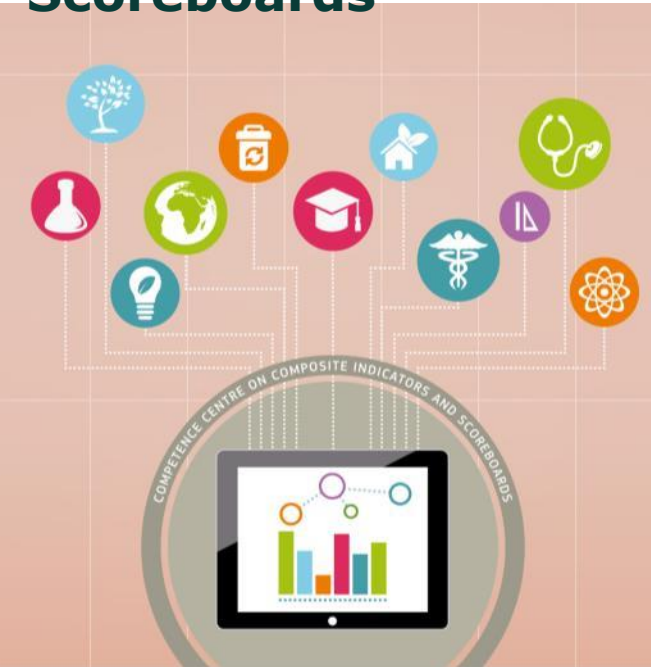


**Knowledge
Centre for
Food Fraud
and Quality**



Horizontal knowledge management

Competence Centre on Composite Indicators and Scoreboards



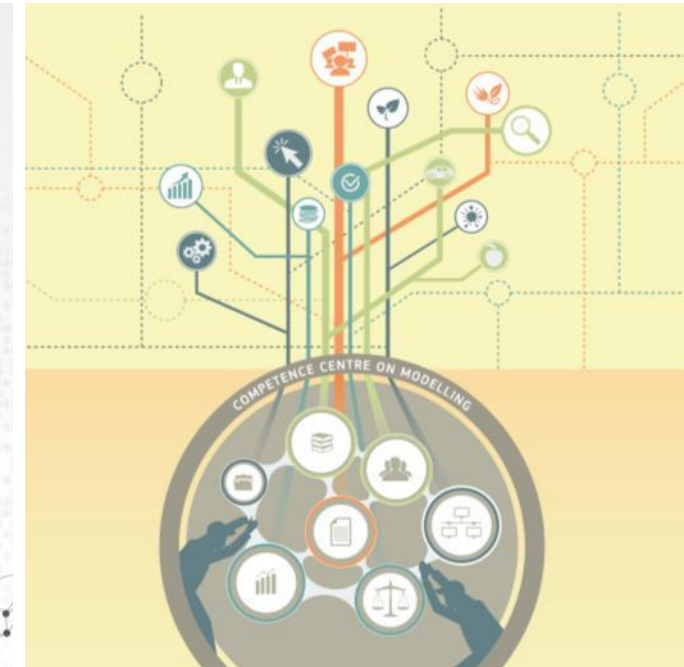
Competence Centre on Microeconomic Evaluation



Competence Centre on Text Mining and Analysis



Competence Centre on Modelling



BETTER REGULATION AGENDA

Enhancing Transparency and Scrutiny for Better EU Law-Making



Evidence for Policy 3.0
New age of reason?



"People in this
country have had
enough of experts."

~

Michael Gove, British
politician



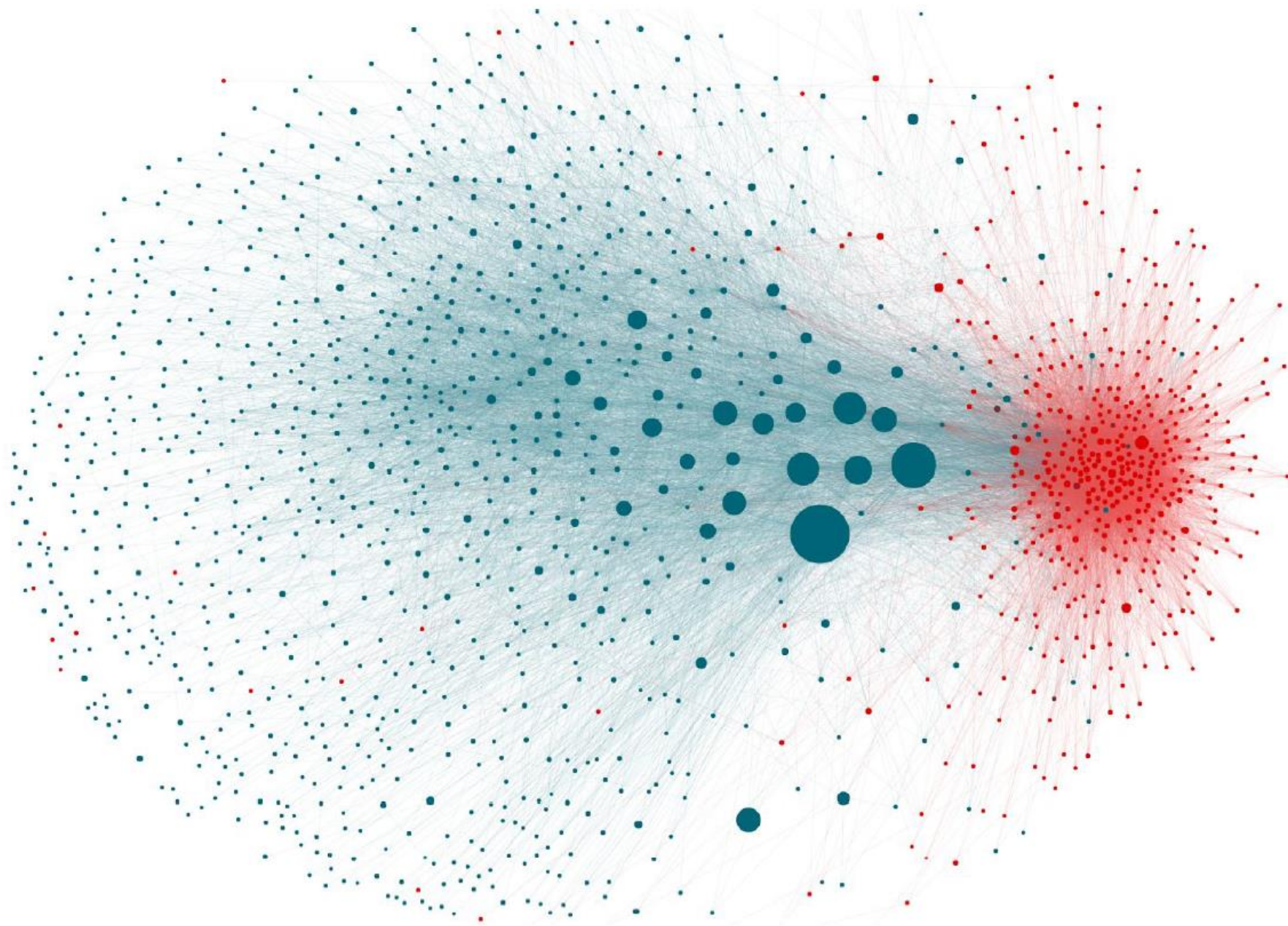


Change My View

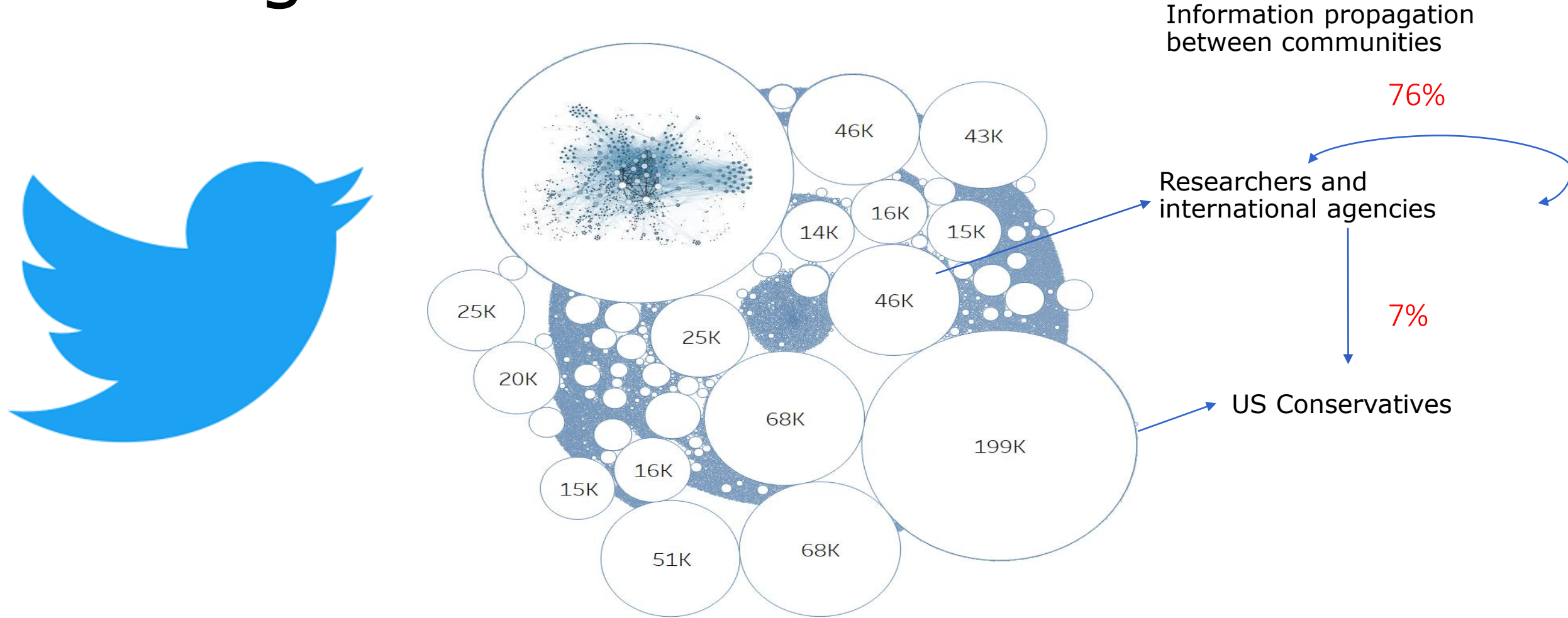
<https://changemyview.net/>



"YOUR COMMENT CHANGED MY THINKING"



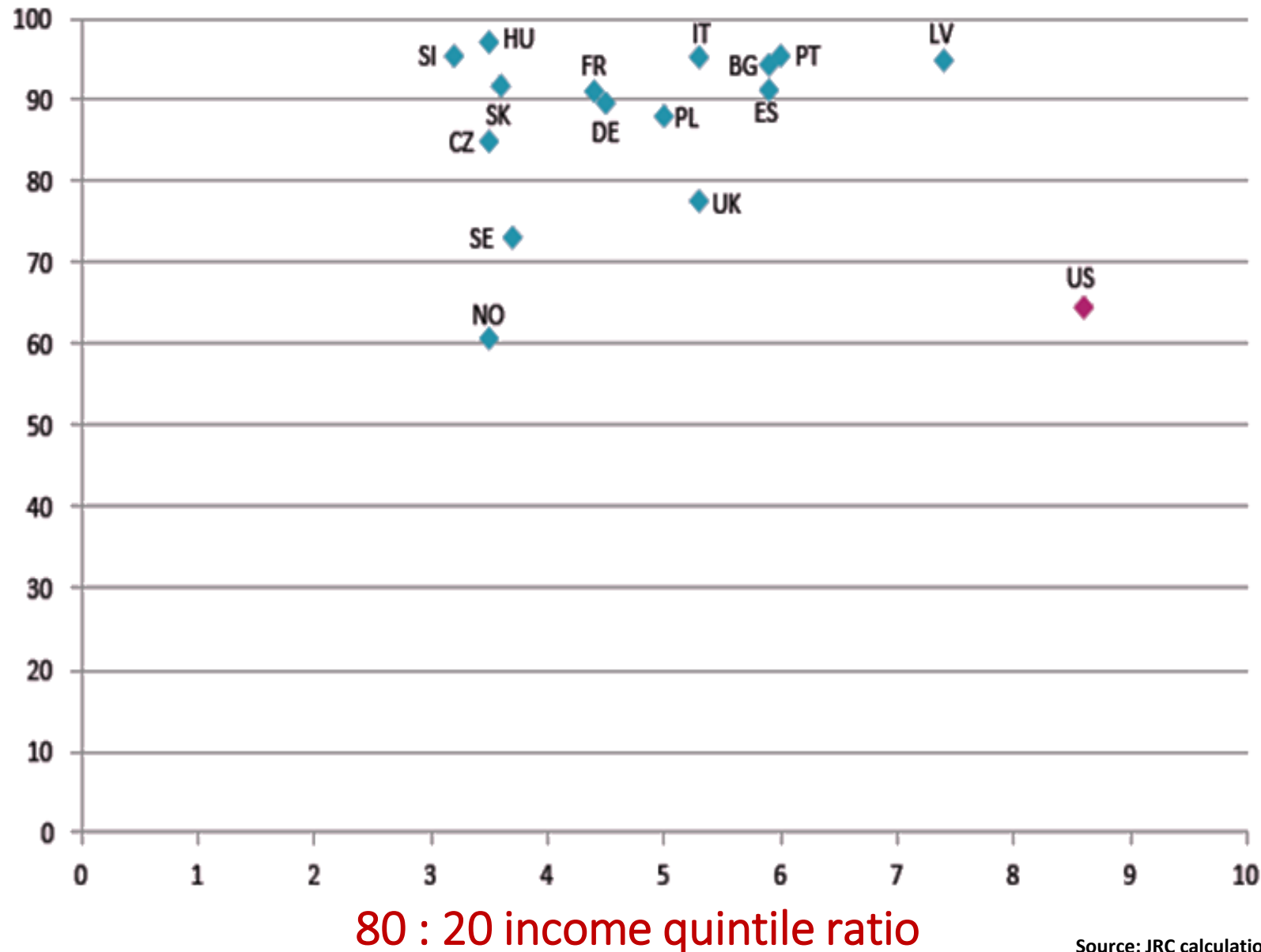
Echo chambers in public discourses on migration in Twitter

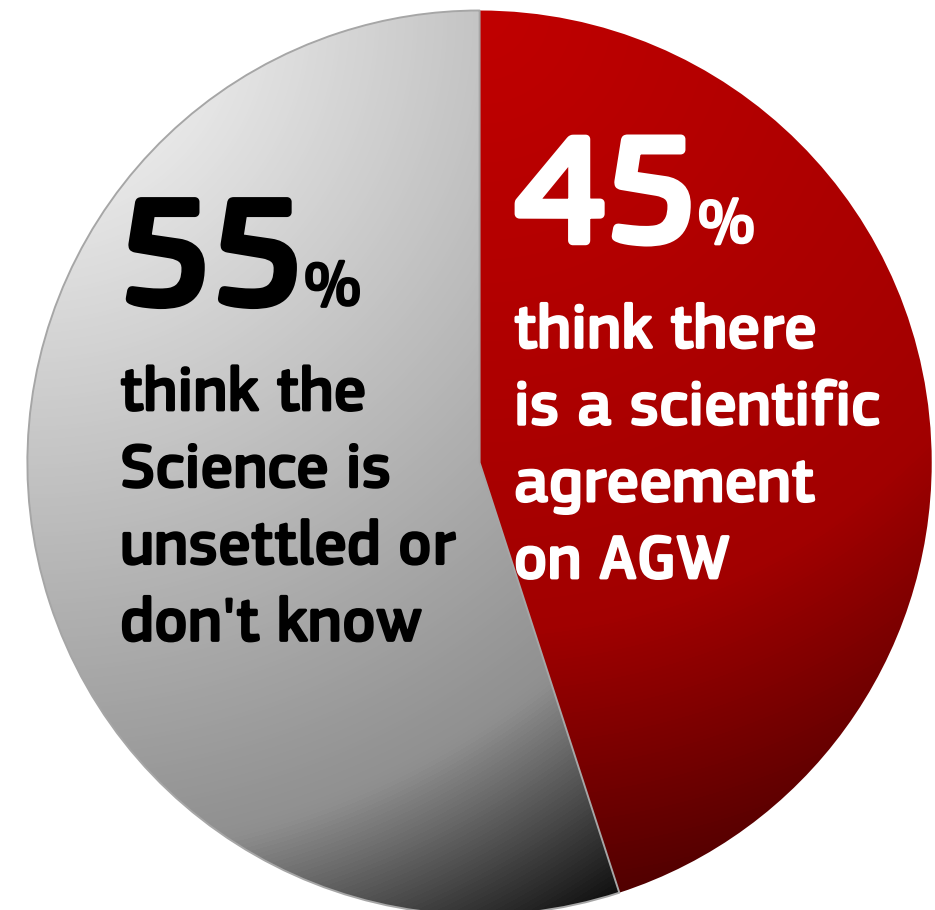
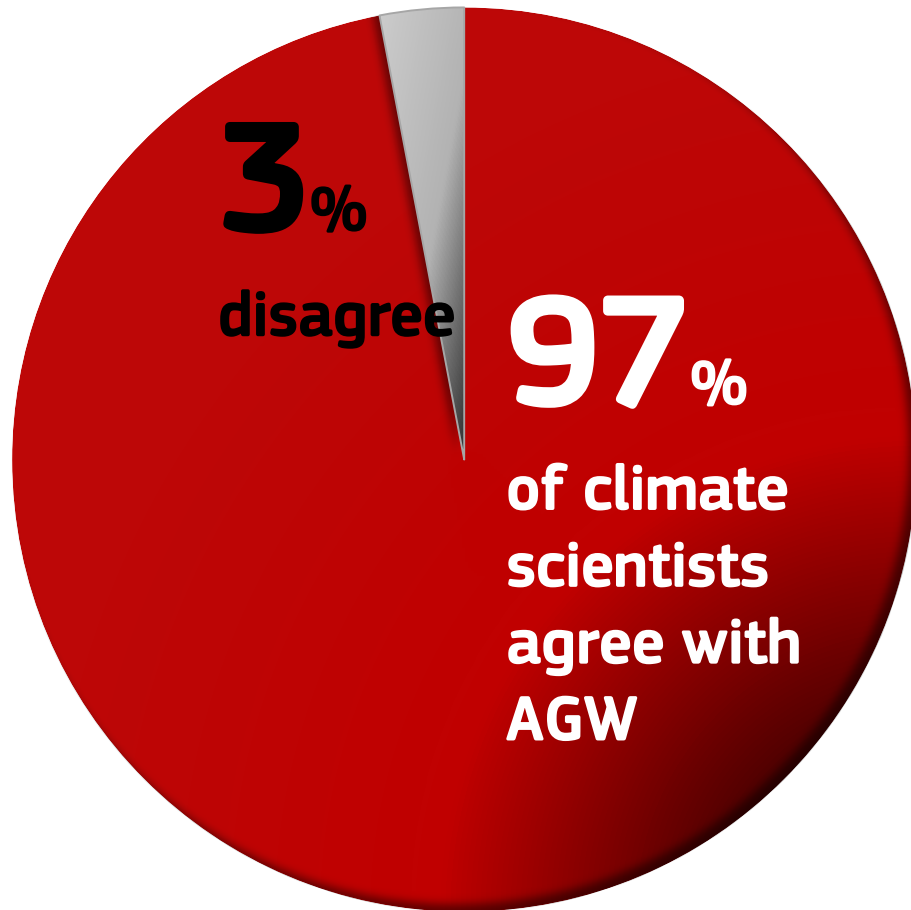


One year of Tweets on 'migration' worldwide: 46 million Tweets, 5 million users

Perceptions of inequality: does it correlate with an objective measure of income inequality?

% of people that
(strongly) agree that
there are
too large
income
differences







Facts

**Emotions
Values**

Politics

Thank you!



<https://ec.europa.eu/jrc/en>

<http://europa.eu/!jj73DJ> Evidence for Policy Community



@EU_ScienceHub



EU Science Hub - Joint Research Centre



Joint Research Centre



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