



The European Commission's science and knowledge service

Joint Research Centre

Slides for Day 1:

<https://goo.gl/oULGgt>

Opening & Introduction

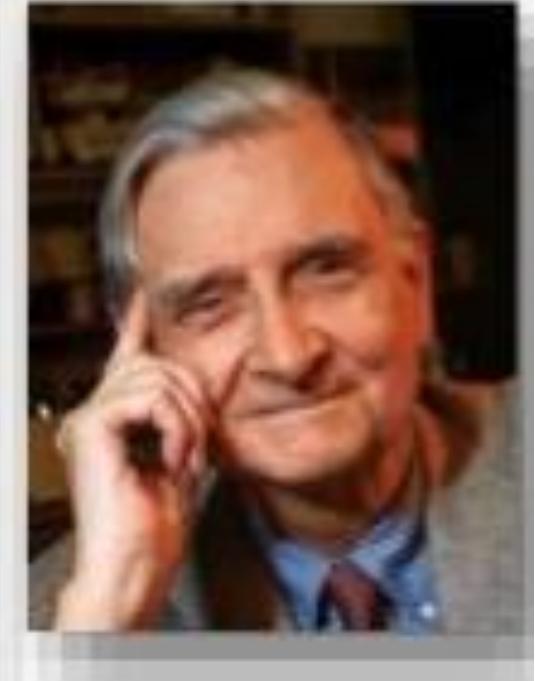
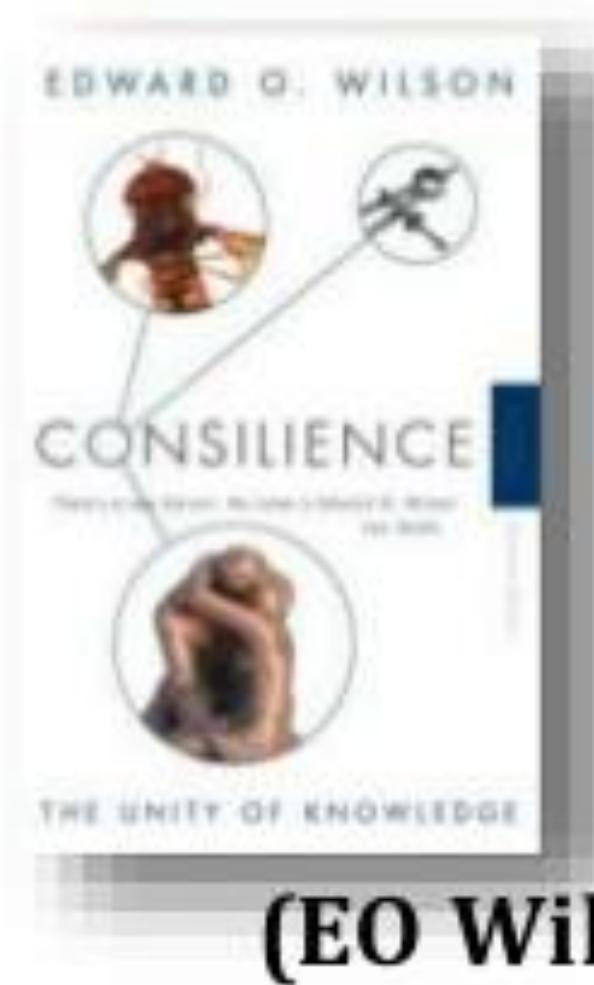
Michaela Saisana

COIN 2018 - 16th JRC Annual Training on Composite Indicators & Scoreboards
05-07/11/2018, Ispra (IT)

Data Revolution

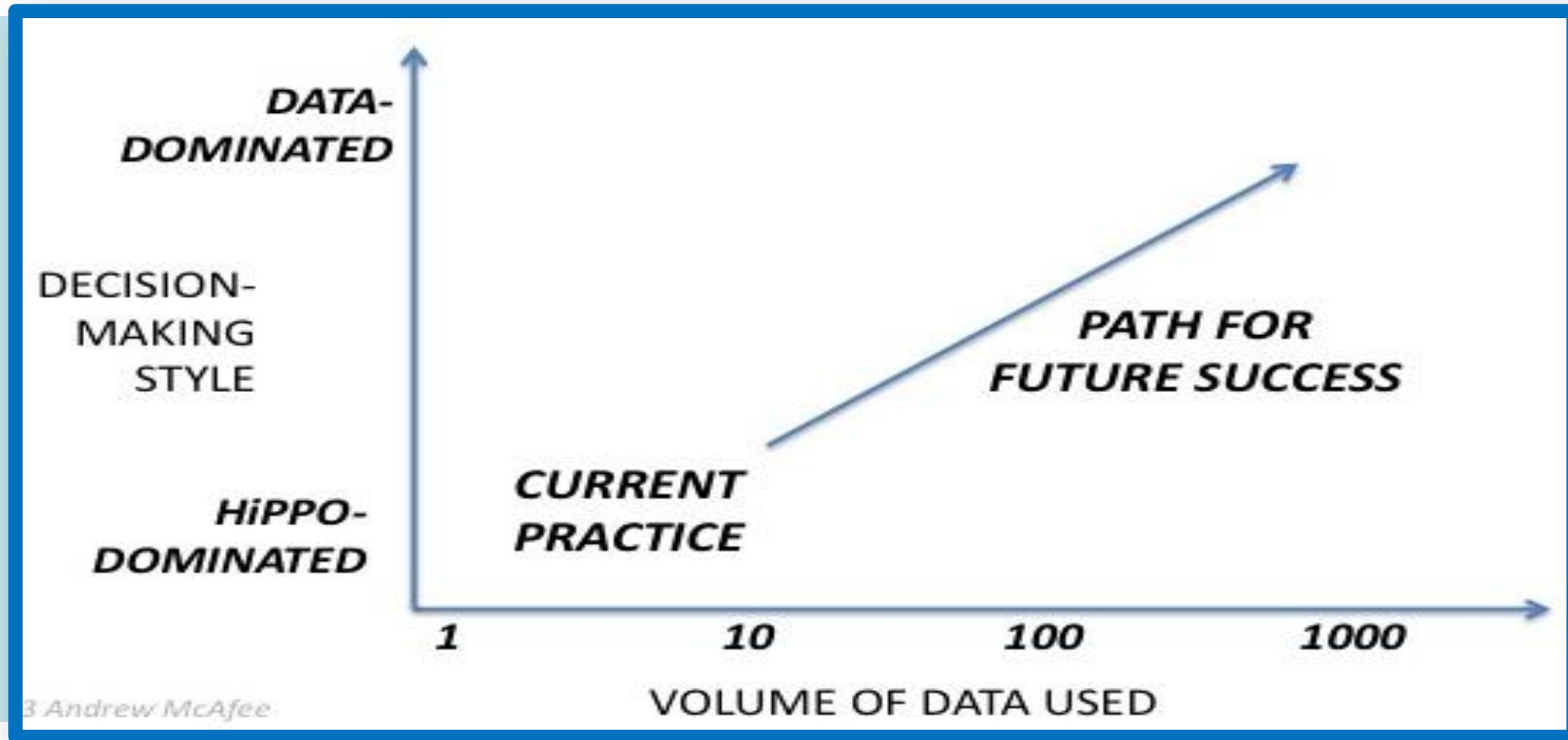
“We are drowning in information, while starving for wisdom. The world henceforth will be run by synthesizers, people able to put together the right information at the right time, think critically about it, and make important choices wisely.”

[E.O Wilson, 1998, Consilience]



(EO Wilson, 1998)

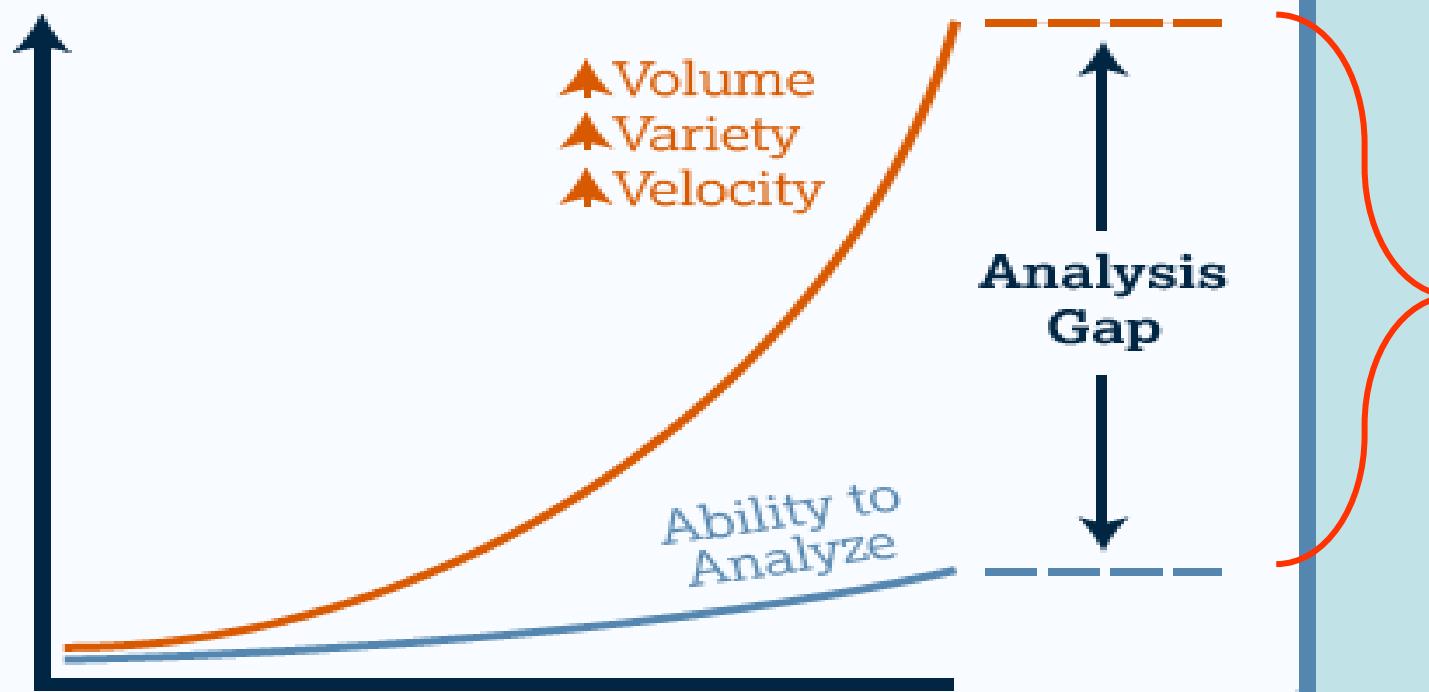
Data Revolution



Source: http://digitalcommunity.mit.edu/community/featured_content/big-data/blog/2013/06

Data Revolution

Information Explosion

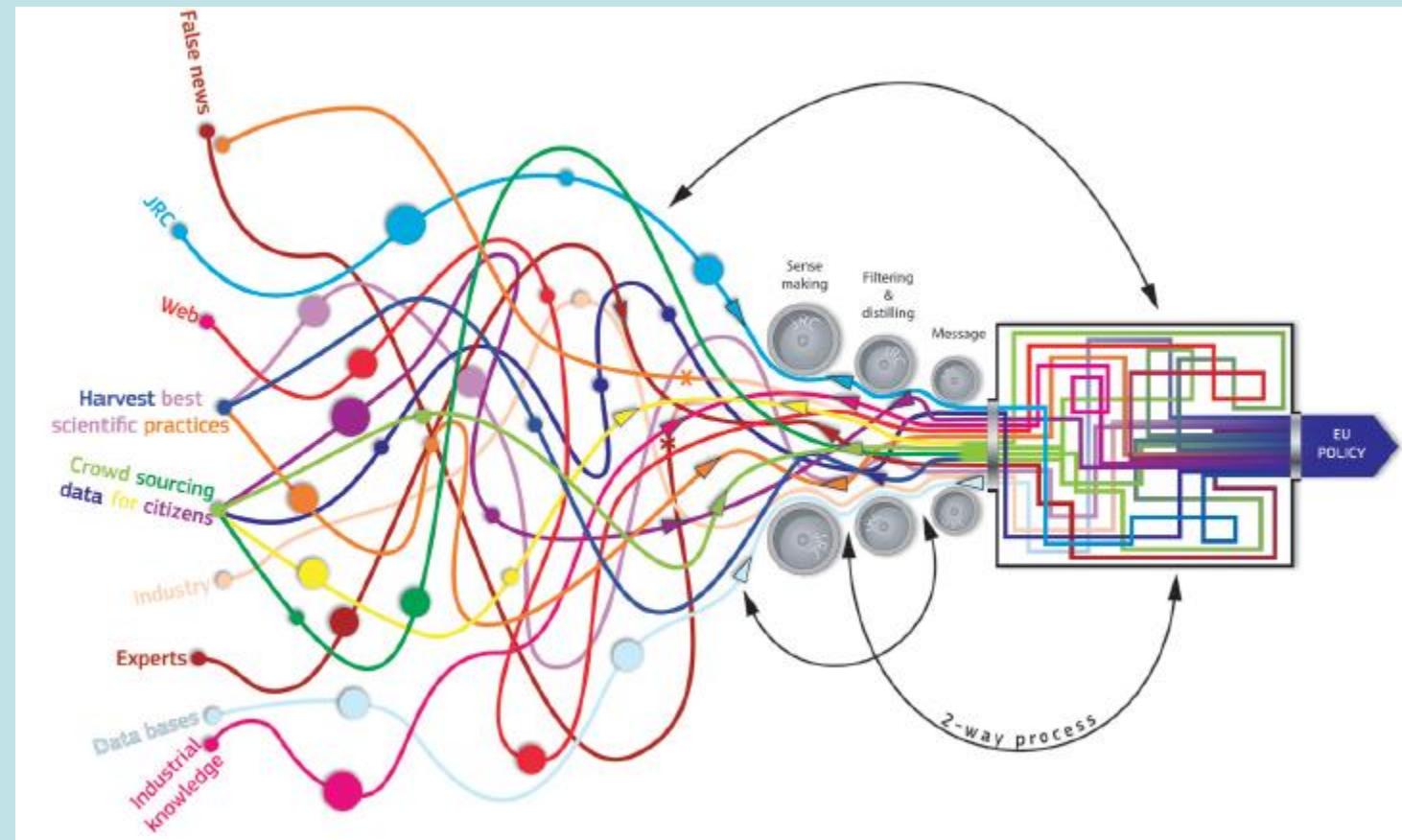


"The Magical Number Seven, Plus or Minus Two: Some Limits on Our Capacity for Processing Information"

G. Miller, *Psychological Review*, 1956

Making sense of Data, Information and Knowledge

- Today's information deluge
- Fundamental role for the JRC role in managing knowledge in support of EU policy making



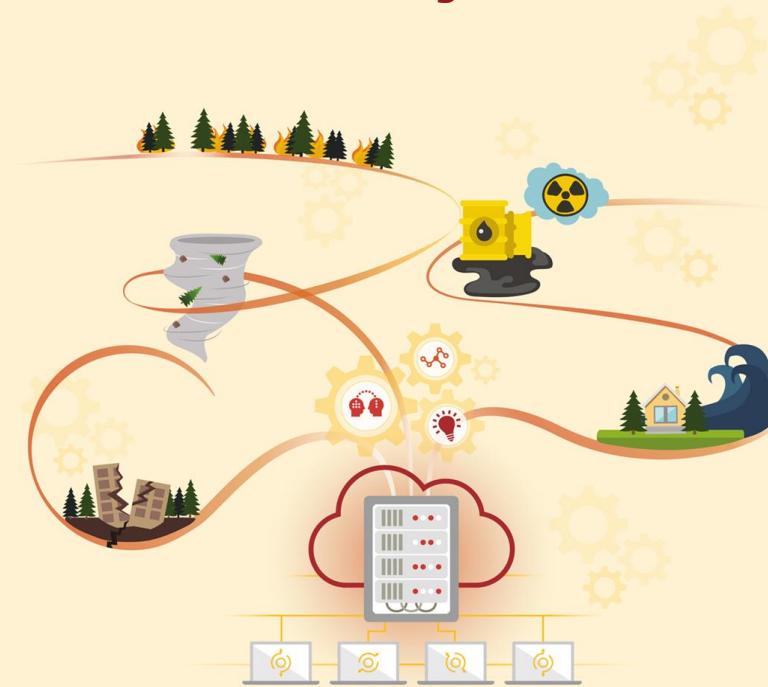
Knowledge Centres

Provide

- ✓ relevant data
- ✓ knowledge
- ✓ intelligence

in a specific policy
field

**The European Commission's
Knowledge Centre for
Disaster Risk Management**



**The European Commission's
Knowledge Centre on
Migration and Demography**



Knowledge Centres

Provide

- ✓ relevant data
- ✓ knowledge
- ✓ intelligence

in a specific policy
field

The European Commission's
Knowledge Centre for
Territorial Policies



The European Commission's
Knowledge Centre on
Bioeconomy



European
Commission

Competence Centres

Provide

- ✓ scientific expertise
- ✓ state-of-art methods
- ✓ tools

to inform policies in
any policy field

**The European Commission's
Competence Centre on Composite
Indicators and Scoreboards**



**The European Commission's
Competence Centre on
Microeconomic Evaluation**



European
Commission

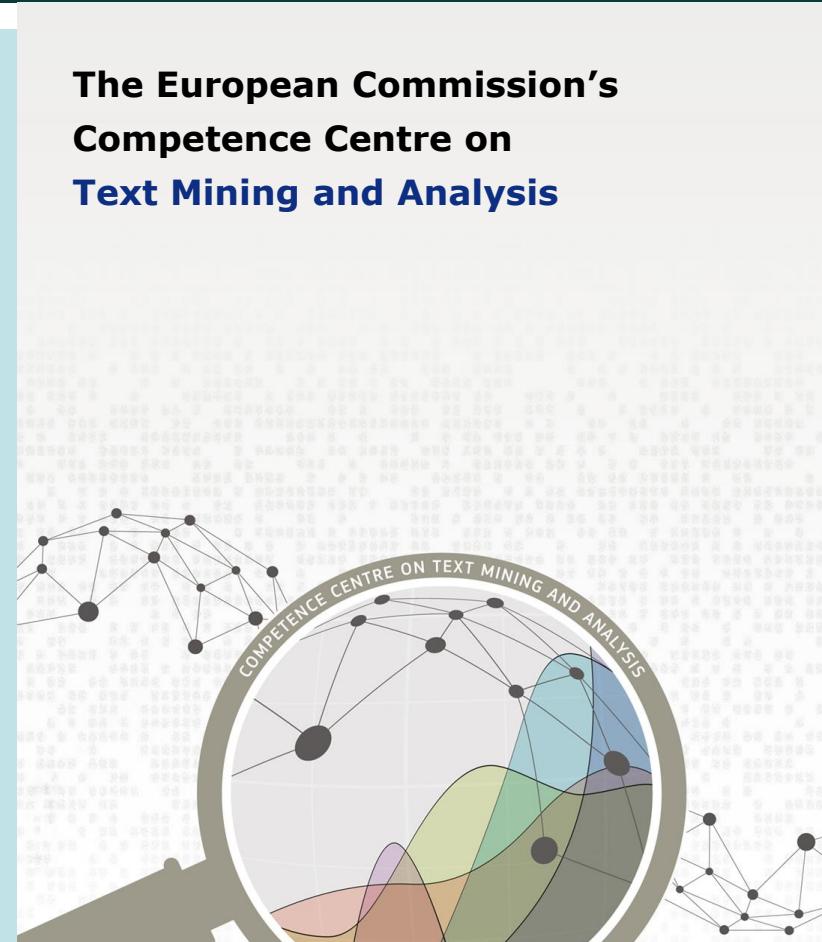
Competence Centres

Provide

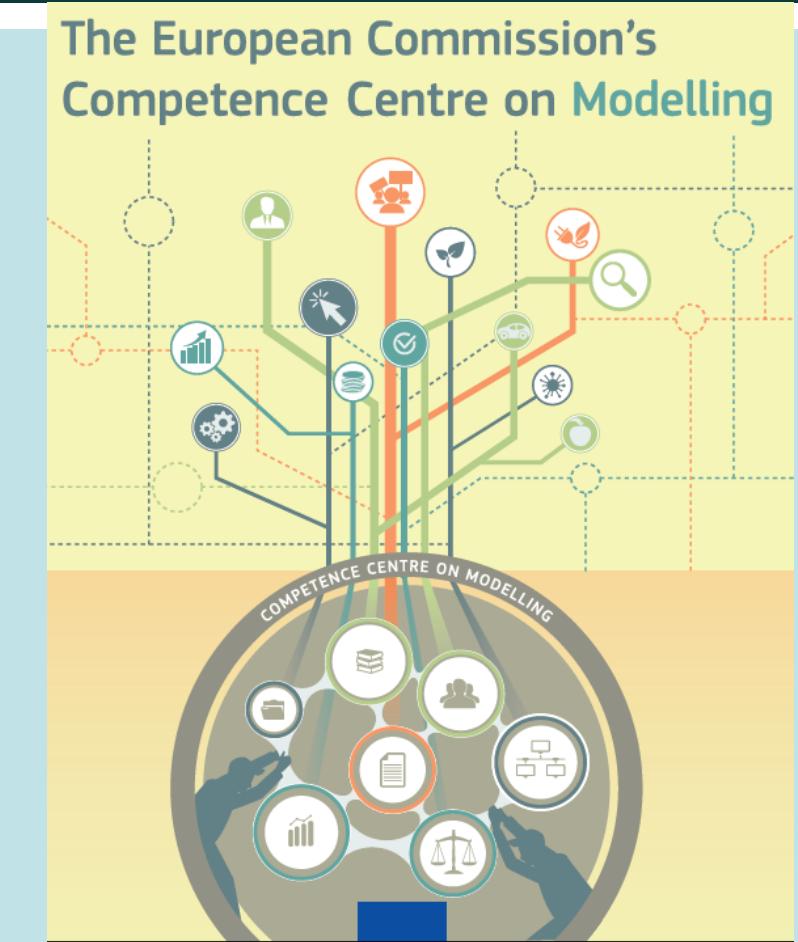
- ✓ scientific expertise
- ✓ state-of-art methods
- ✓ tools

to inform policies in
any policy field

**The European Commission's
Competence Centre on
Text Mining and Analysis**



**The European Commission's
Competence Centre on Modelling**



European
Commission

Competence Centre COIN

Provide

- ✓ scientific expertise
- ✓ state-of-art methods
- ✓ tools

to inform policies in
any policy field

The European Commission's
Competence Centre on Composite
Indicators and Scoreboards



Our aims

- Serve as **reference point** for **EU policy makers** on monitoring multi-dimensional phenomena
- Maintain the **global recognition** in auditing composite indicators and scoreboards

Competence Centre COIN

What we do



Support to EU Services (> 40 indices & scoreboards)

E.g., Social Scoreboard (Apr. 2017; CAB Juncker), Cultural and Creative Cities Monitor (July 2017; Commissioner Navracsics) ; ASEM Sustainable Connectivity Portal (Oct. 2018, ASEM Summit)



Collaborations with international partners (> 100 audits)

E.g., Global Innovation Index (INSEAD, WIPO), Commitment to Reducing Inequality Index (Oxfam), Financial Secrecy Index (Tax Justice Network)



Methodology

Jointly with the OECD quality control frame (conceptual coherence, multivariate analysis, sensitivity analysis, multi-criteria decision analysis, statistics and policy)



Training & Community of Practice (CoP) on Composite Indicators and Scoreboards

5-9 November 2018, Ispra (16th year for the training and 3rd year for the CoP)

Competence Centre COIN



Legal notice | Cookies | Contact | Search English (en) ▾

Search Search

European Commission

COIN

Competence Centre on Composite Indicators and Scoreboards

European Commission > JRC

About us News and Events Publications 10 Step Guide COIN Open Days Past events

Past events

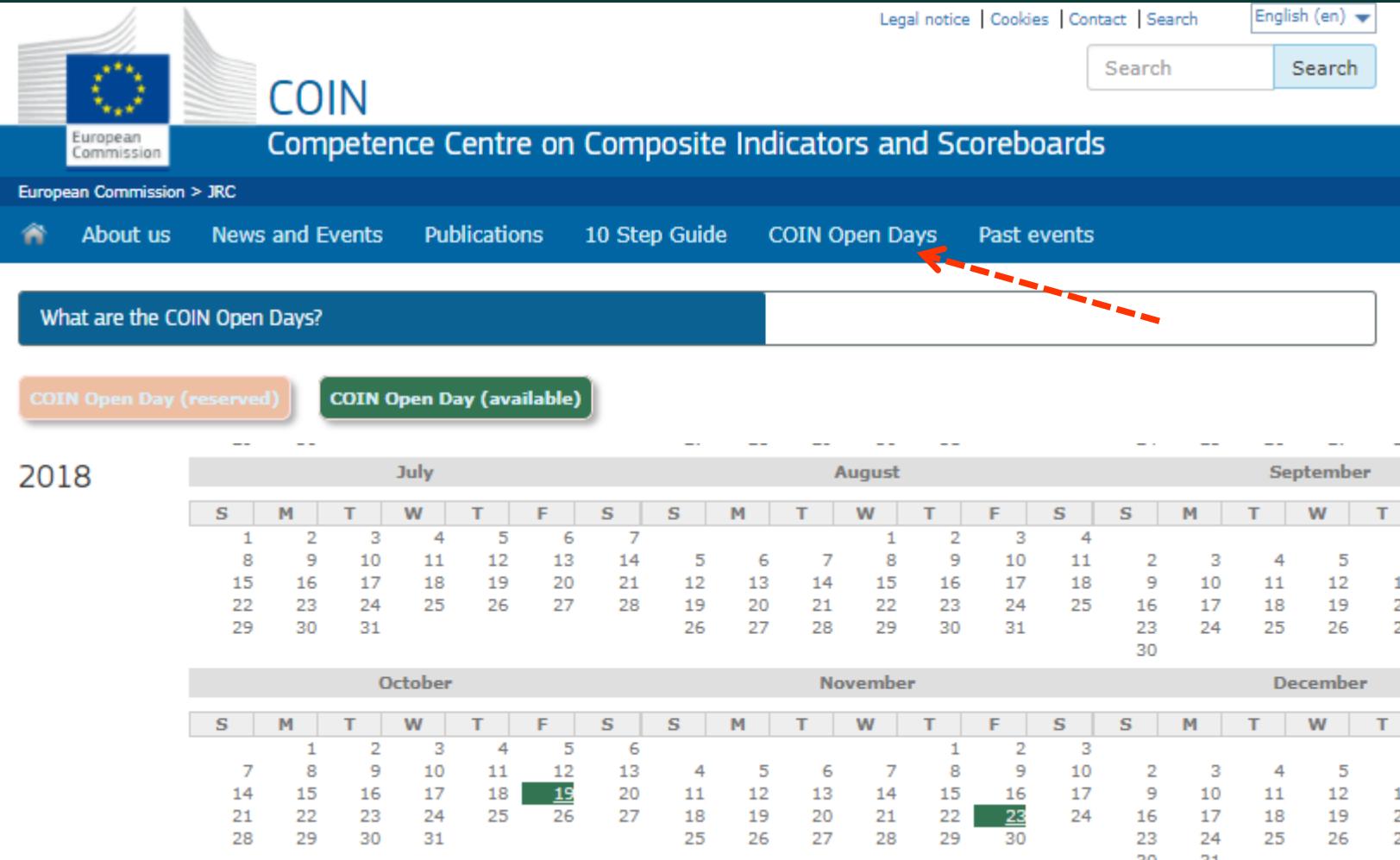
28 November 2017 - INNOVA Measure Workshop: Innovation, high-growth and internationalization of R&D

09-10 November 2017 - Community of Practice on Composite Indicators and Scoreboards - 2nd Annual Meeting

06-08 November 2017 - 15th JRC Annual Training on Composite Indicators & Scoreboards

4 – 6 October 2017 - Workshop - Indicators for climate extremes and socio-economic impacts under different emission targets

Competence Centre COIN



Legal notice | Cookies | Contact | Search English (en) ▾

Search Search

European Commission > JRC

Home About us News and Events Publications 10 Step Guide COIN Open Days Past events

What are the COIN Open Days?

COIN Open Day (reserved) COIN Open Day (available)

2018

July					August					September										
S	M	T	W	T	F	S	M	T	W	T	F	S	M	T	W	T	F	S		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
22	23	24	25	26	27	28	29	30	31									1		
15	16	17	18	19	20	21	12	13	14	15	16	17	18	19	20	21	22	23		
29	30	31					26	27	28	29	30	31						30		
October					November					December										
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	30	31	1
21	22	23	24	25	26	27	18	19	20	21	22	23	24	25	26	27	28	29	30	31
28	29	30	31				25	26	27	28	29	30								30

<https://composite-indicators.jrc.ec.europa.eu>

Ever increasing number of monitoring tools

150

composite indicators
and scoreboards

developed or used by the EC

**[COIN Data Hub,
available end 2018]**

50%

of the EC indices/scoreboards are developed
with JRC contribution

EC College	• Social Scoreboard
DG JRC	• Cultural and Creative Cities Monitor
EEAS	• ASEM Sustainable Connectivity (Oct. 2018)
DG REGIO	• Europe 2020 Index
DG GROW	• Small Business Act Principles
DG RTD	• Innovation Output Indicator
DG ECHO	• Index for Risk Management (INFORM)
DG JUST	• Consumer Conditions & Markets
ECB	• Systemic Risk Heat Maps

Requests for JRC audits

UNDP	• Human Development Index
Oxfam	• Commitment to Development Index
UN IFAD	• Multidimensional Poverty Assessment Tool
WIPO	• Global Innovation Index
ITU	• ICT Development Index
TJN	• Financial Secrecy Index

100

requests for JRC audits by international partners (UN, UNICEF, Tax Network, WEF, INSEAD, WIPO, UN-IFAD, FAO, Harvard U., Yale U., Columbia U., Cornell U.)

Forbes

The EC JRC is an in-house science centre providing technical advice to a variety of projects throughout Europe. As part of that mission it is also an expert reviewer of project methodologies, says Siddharth Bannerjee, Nesta project lead for the EDCI. It's important to be rigorous about methodology. It's how bias can sneak in when not expected," he adds. "The EC JRC may not be well known outside certain circles, but it is the ultimate indicator of what a composite index looks like."

Requests for JRC audits

UNDP	• Human Development Index
Oxfam	• Commitment to Development Index
UN IFAD	• Multidimensional Poverty Assessment Tool
WIPO	• Global Innovation Index
ITU	• ICT Development Index
TJN	• Financial Secrecy Index

100

requests for JRC audits by international partners (UN, UNICEF, Tax Network, WEF, INSEAD, WIPO, UN-IFAD, FAO, Harvard U., Yale U., Columbia U., Cornell U.)



The ranking algorithm your team provided is now approved by the ESRB Advisory Technical Committee.

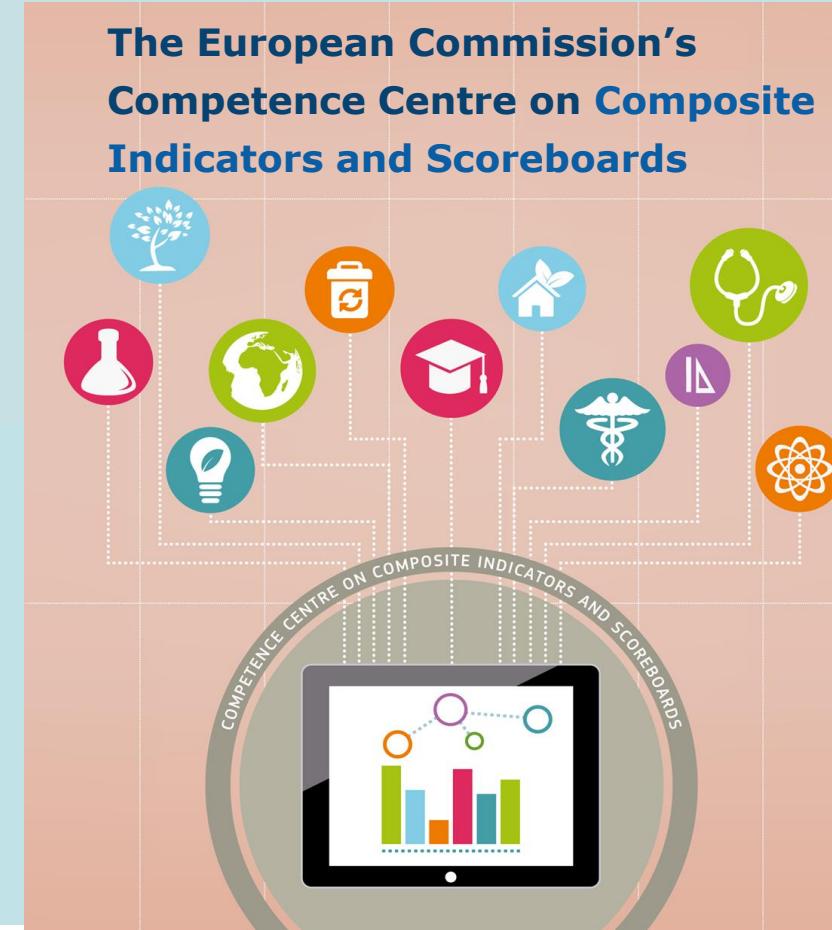
According to this decision, from 2014 onwards, your work will be used for the (confidential) version of our systemic risk heat maps.

These will be included in the regular briefing material for the quarterly ESRB General Board meetings and incorporated in our general risk analysis.

Indices are powerful advocacy tools

COIN helps to ensure that composite indicators are ... developed sensibly and used responsibly.

- ✓ 'Sensible development' of a composite indicator implies a quality control process based on both conceptual and statistical considerations.
- ✓ 'Responsible use' calls for care in drawing conclusions and recommendations without taking into account the conceptual context in which composite indicators were developed.



#COINCoP

Pre-training Questionnaire:

<https://goo.gl/DdtmRn>



THANK YOU

Welcome to email us at: jrc-coin@ec.europa.eu

COIN in the EU Science Hub
<https://ec.europa.eu/jrc/en/coin>

COIN tools are available at:
<https://composite-indicators.jrc.ec.europa.eu/>

