

# RELEVANCE of COOPERATION

Session 3 Clustering – addressing common challenges by  
joint strategy approaches

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4th National Day of Large Research  
Infrastructures of the Czech Republic

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cessda.eu



@CESSDA\_Data

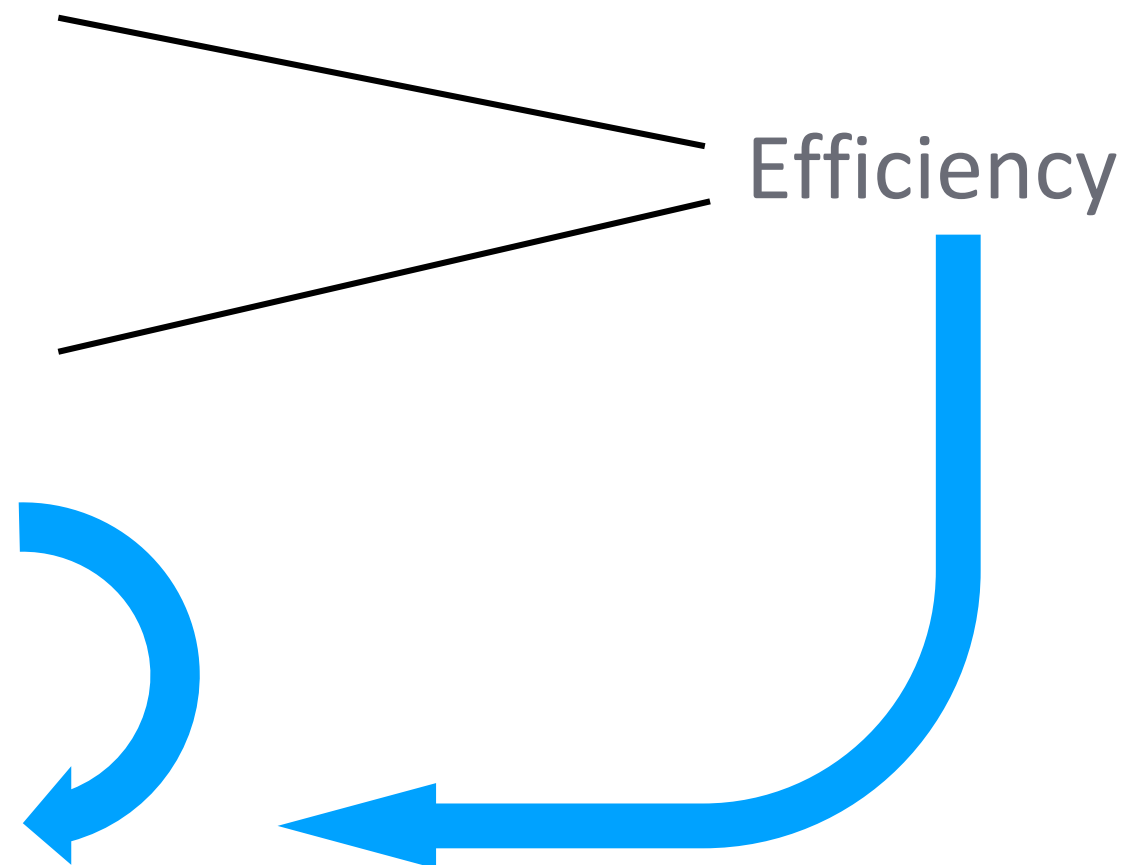


# Key Message

Cooperation allows for

- ◆ Economies of Scale
- ◆ Specialisation
  - ◆ increases Speed
  - ◆ raises Quality

**Does Science Benefit ?**



# Contents

- ◈ Science
  - ◈ Crisis / Need for change
- ◈ Research Infrastructures – ESFRI
  - ◈ CESSDA
- ◈ Data Clusters
  - ◈ SSHOC
- ◈ EOSC

# Science

Total	3 946 933	3 491 475	1 788 069	0,51
2018	Documents	Citable Docs	Citations ex. Self citations	<u>Net-citations</u> Citable Docs
1. United States	683 003	570 104	259 647	0,77
2. China	599 386	569 227	126 009	0,22
30. Czech Rep.	24 401	22 539	12 370	0,55

[www.scimagojr.com](http://www.scimagojr.com) 2018

## ◆ Quality Problem

- ◆ Publishing as a goal
- ◆ Failure to Reproduce Results
- ◆ Retraction of Papers
- ◆ Fraud on Data

## ◆ Lack of Speed

- ◆ faster circulation of increasing amounts of knowledge, and
- ◆ seize the potential of open innovation to trigger faster and fairer growth, building a knowledge economy that is open to the world. (Lamy report, p. 8)



# Solutions

## ◆ Open Science

- ◆ Increases Speed
- ◆ Quality goes up because of transparency

## ◆ European & National Roadmaps of RI's - ESFRI

- ◆ Economies of Scale
- ◆ Quality goes up — due to specialisation & professionalization
- ◆ Speeds up the research process

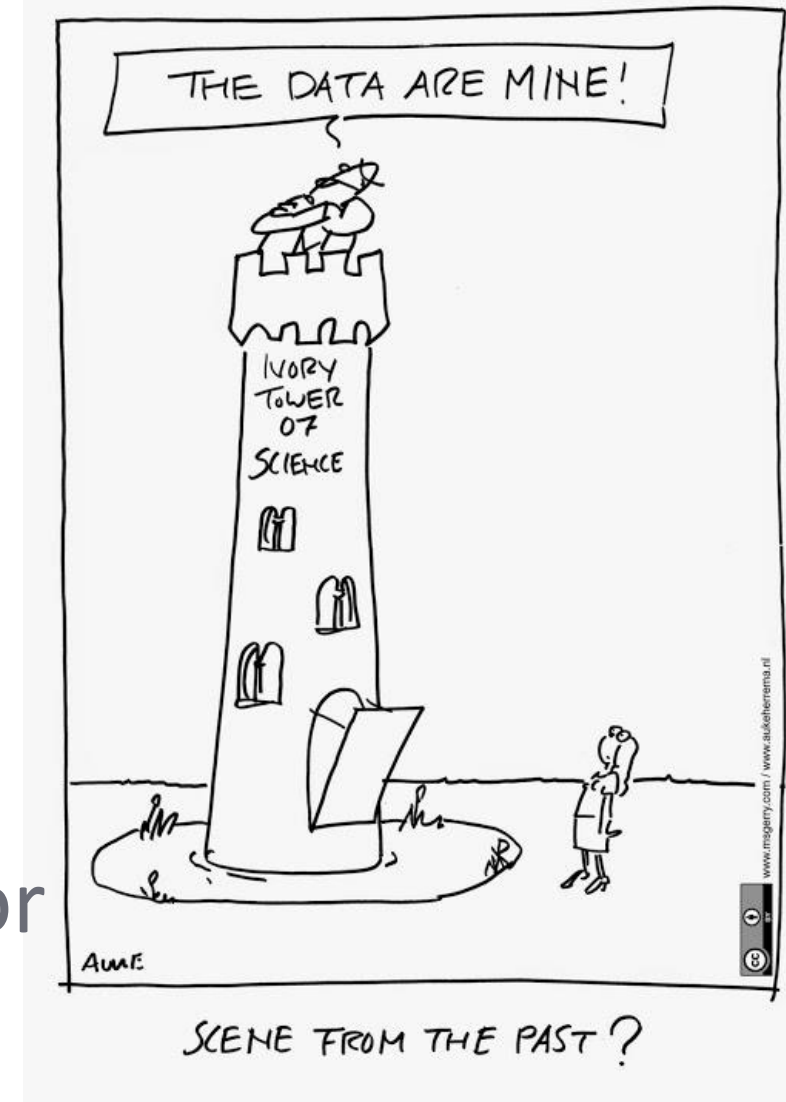
# Still Hick-ups

## ◆ Open Science

- ◆ Data are assets – reluctance to share
- ◆ Career system focused on Impact Factor

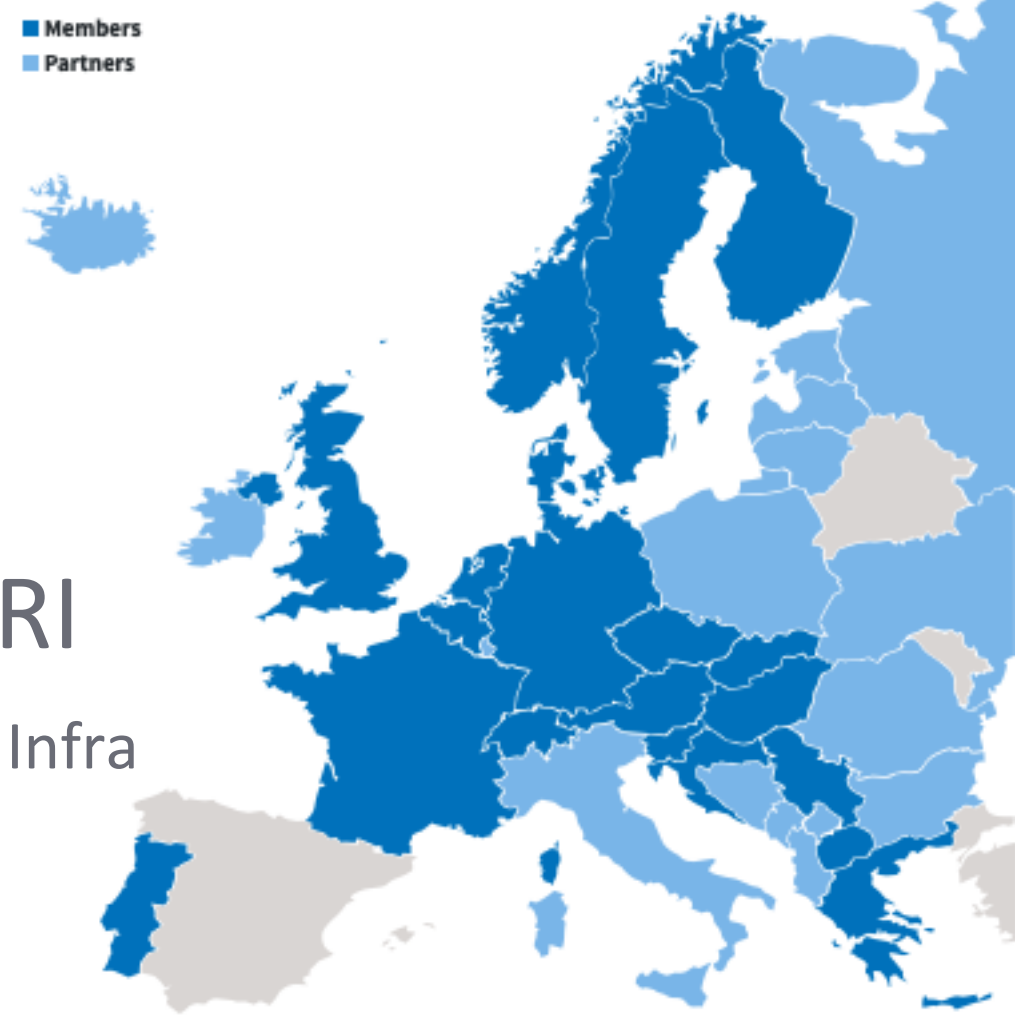
## ◆ Research Infrastructures

- ◆ Growing numbers      Currently 55 RI's on ESFRI Roadmap
- ◆ Increasing costs      Capital value ESFRI's € 20 Billion,  
Annual Running Costs > € 2 Billion
- ◆ Public Good discussion – who pays vs. who benefits



# RI's in Practice - CESSDA

■ Members  
■ Partners



## ◆ Distributed Social Science Data RI

- ◆ Provide a distributed and sustainable Research Infra
- ◆ Facilitate teaching and learning

## ◆ Contributes to

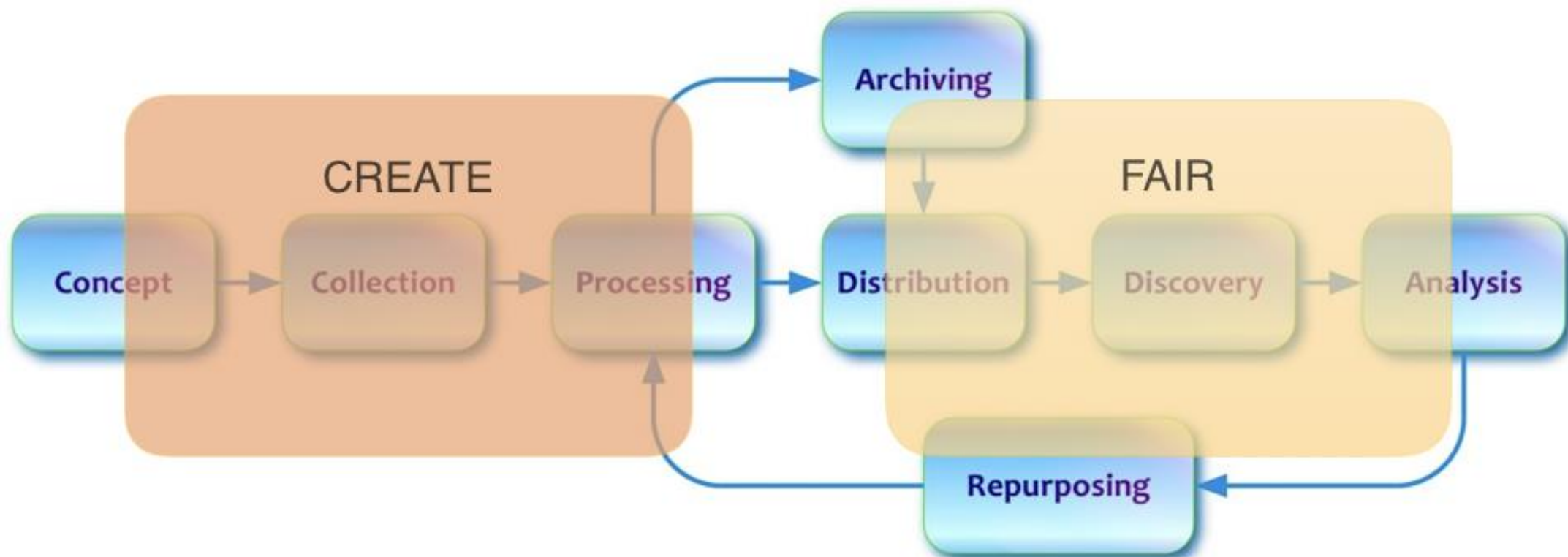
- ◆ Economies of Scale
- ◆ Increases Speed
- ◆ Raises Quality

1 Tech-platform, Coordinated Actions  
Data Catalogue, Tools & Services  
CoreTrustSeal, Curation, Standards,  
Training, Multi-Lingual Question Banks



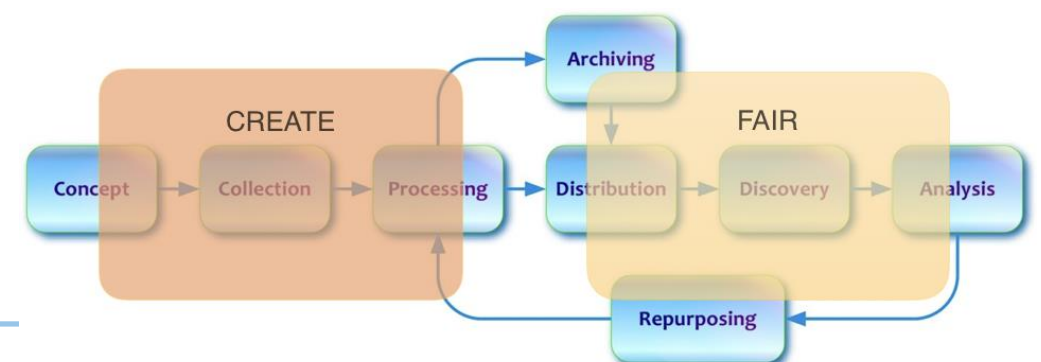
# RI's in Practice - CESSDA

- ◆ Focus on Technology, Trust, Training, Tools
  - ◆ Division of Tasks among 20+ National Service Providers
  - ◆ New: Widening & Outreach – led by CSDA Czech Rep.
- ◆ Complementarity with other (SSH) RI's





- ◆ **Data Clusters:** ENVRI-FAIR, ESCAPE, LIFE-WATCH, PANOSC, SSHOC
  - ◆ CESSDA, CLARIN, DARIAH, ESS, SHARE + E-RIHS, LIBER + 35 others
- ◆ **Contributes to**
  - ◆ Economies of Scale      1 Market Place, Combine Training
  - ◆ Increases Speed        Data Catalogues, Division of Work
  - ◆ Raises Quality          Standards, Training, Align Processes





- ◈ Integrated approach to research data infrastructures is needed
  - ◈ Contributes to
    - ◈ Economies of Scale
    - ◈ Quality goes up
    - ◈ Speeds up
- Federation of RI's  
Better overview,  
Further professionalization  
Interdisciplinary Research  
Complex Societal Challenges, SDG's

# Conclusion

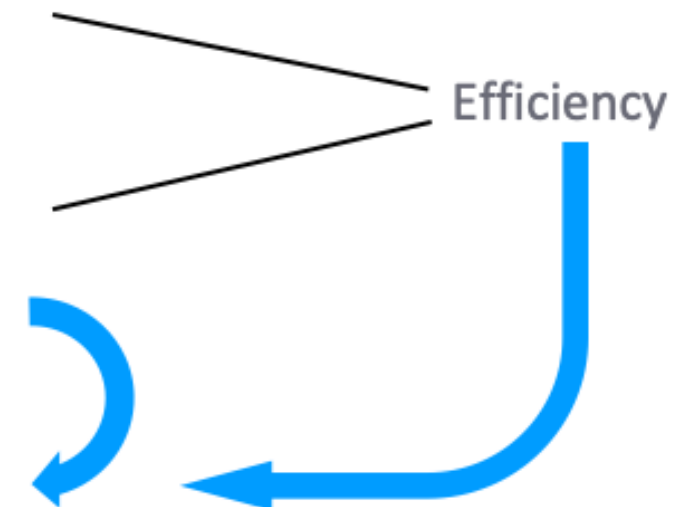
- ◆ Set clear goals
- ◆ Keep asking the question:

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# Thank you for your attention!

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