Strategy Report on Research Infrastructures
ROADMAP 2018

The landscape of SSH RI's and the impact of ESFRI projects

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OVERVIEW

- RIs for Societal and Cultural Innovation
- What difference ESFRI RIs do make ?
- ESFRI difference for Arts and Humanities
- ESFRI difference for Social Sciences

RIs for Societal and Cultural Innovation

– **Caveat : Societal and Cultural Innovation**, instead of Social Sciences and Humanities
  - Emphasis on SSH description and contribution to socio-cultural change and innovation

– **Specific Features of RIs for SCI :**
  - **Distributed** (not single-sited) facilities
  - Hybrid, often **unstructured** data (≠ values at several points of a physical parameters, as collected by a set distributed sensors) : SCI data descriptors have to be constructed
  - **Evolving** data :
    - Longitudinal surveys : same questions raised at successive times, to grasp the spontaneous evolution of social reality
      - Particular case : use of SCI RIs to evaluate and improve public policy (deliberate, provoked social change)
    - Consequences on sustainability issues (SCI RIs require continuous effort in human resources)

What difference ESFRI RIs do make ?

- **Not only not-ESFRI SCI RIs at larger scale** (more money, machines, people for the same goal)

- **Pan-European scope :**
  - **European added value** :
    - Exhaustivity matters (e.g. Litvanian textual heritage is non substituable, in contrast with physical data collected by Litvanian-speaking scientists)
    - Convergence of descriptors (requested for convergence in described reality, and a first step on this track)
  - **Interoperability and joint open access accross countries**
  - **Contribution to the construction of a European SCI community**

ESFRI RIs difference for Arts and Humanities

- **Reminder :**
  - DARIAH, eponymous scope
  - CLARIN for linguistic corpora and langage technology
  - E-RIHS (ESFRI newcomer) for Cultural Heritage

- **Joint construction of common structures and descriptions for linguistic and cultural data**
- **Examples :**
  - In the past years, Tex Encoding Initiative : construction of a joint, shared, canonical ontology for textual contents
  - Currently (E-RIHS) : construction of an ontology for cultural heritage (harmonization of meta-data, indispensable for digital processing and acces)

ESFRI RIs difference for Social Sciences

- **Reminder :**
  - CESSDA (data from social archives)
  - ESS (European Social Survey), pilot evaluatio
  - SHARE, survey for aging and retirement data

- **Construction of common descriptors**
- **Example of SHARE :**
  - Hybrid data (both bio-markers and data on self-assessed state of health)
  - Contribution to the elaboration of new indicators of social change, beyond GDP (UN programme) : « Making subjective objective »
    - Policy making huge impact (behavior depends, not of distal, but of proximal environment)
    - SHARE requires research (to settle joint descriptors, to insure that the mental representations of European citizens is objectively grasped)
    - Famous application : self-assessed health accross Europe

THANK YOU FOR YOUR ATTENTION! QUESTIONS?

European Strategy Forum on Research Infrastuctures

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