

Strategy Working Group on Data, Computing and Digital Research  
Prof. DSci Ana Proykova

**STAY TUNED TO THE FUTURE**  
**CONFERENCE BOLOGNA JANUARY 24-25, 2018**  
**FONDAZIONE PER LE SCIENZE RELIGIOSE GIOVANNI XXIII**

## ESFRI MEETING – 19.09. 2017

---

Decision on creation of the Strategy Working Group on Data, Computing and Digital Research Infrastructures (SWG DIGIT)

25 group members:

5 e-IRG representatives

2 EC representatives (DG R&I; DG Connect)

18 representatives proposed by the MS&AS with expertise in e-Infrastructures, computer science, data collection and analysis

# RESEARCH INFRASTRUCTURES

## SSH/STM INTERACTION

---

The development of a Research Infrastructure that links various local efforts regarding Open Access in the SSH domain is clearly needed

The SSH and STM domain differ - notably when it comes to using books and monographs written in different languages as an important vehicle for scientific output; STM (English/Math)

Other forms of scientific communication will emerge soon



# THE HERA SURVEY ON INFRASTRUCTURAL RESEARCH FACILITIES AND PRACTICES FOR THE HUMANITIES IN EUROPE (DEC,2014)

About 200 RI in the area of cultural heritage

- ✘ About 100 in the area of language and linguistics

More than 60 % of the reported instruments are databases such as catalogues, reference tools and digitised objects: books, periodicals, sound and images

- ✘ The majority of them are freely available on the internet

The most popular existing infrastructures reported are databases (catalogues, reference indexes, bibliographies)

- ✘ The second most popular are digitised texts, objects, artefacts, sound, film

Elements of EOSC; Big Data & interoperability

# ADOPTION OF E-INFRASTRUCTURES BY SSH RI

How to jump over the barrier generated by difficulties in the usage of continuously advancing (technically) e-infrastructures and communication technologies?

The e-Research community might make interventions in order to re-align the capabilities of the human infrastructure with those of the technical infrastructure

## A PRAGMATIC VIEW IN THE DEVELOPMENT OF A SSH RI

- ◆ Shared services, focusing on enhancing and improving the services offered locally
- ◆ Global services for certification, resource discovery, and multi-party collaboration
- ◆ EOSC integration, with emphasis on development of metadata and machine-readable content



# EVALUATION

---

## Criteria

quality – outside driven

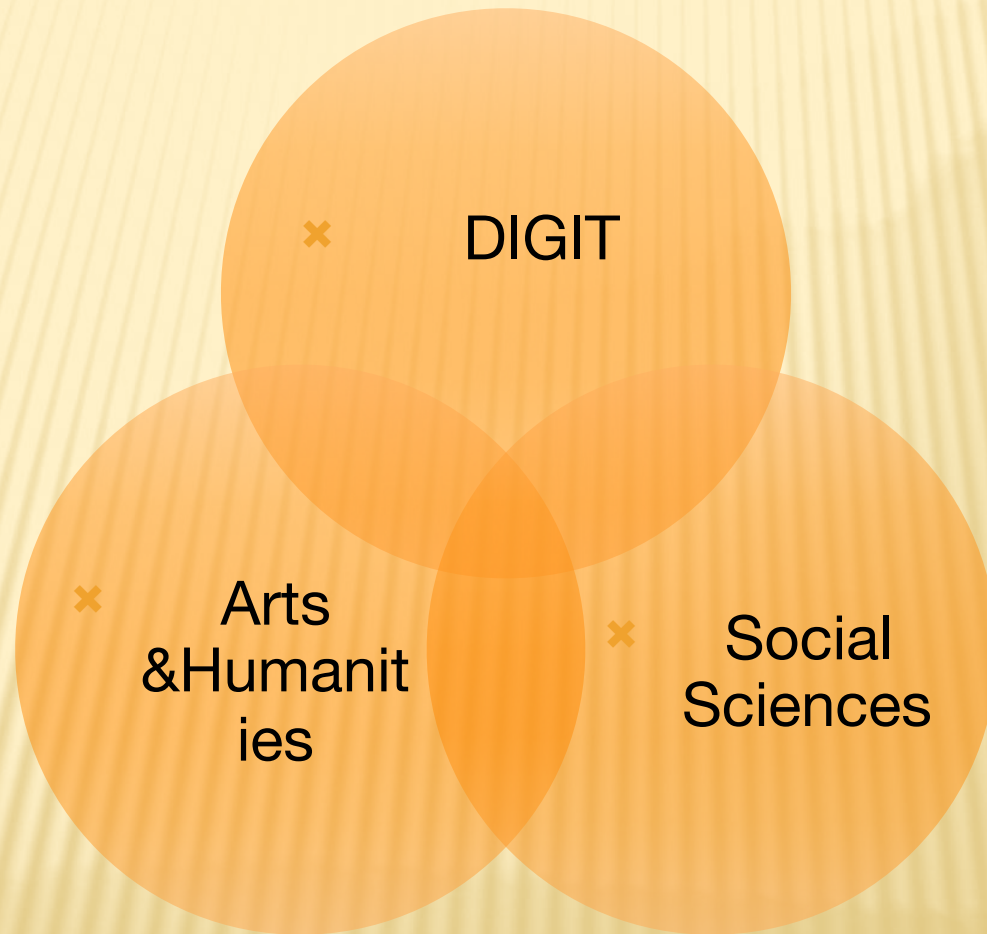
excellence – externally driven

Innovation - a necessary component of all  
excellence-focused organizations

Impact on disciplines: building and development  
of existing and new research infrastructures

# **SOCIETAL AND CULTURAL INNOVATION = SOCIAL SCIENCES AND HUMANITIES**

---





THANK YOU for YOUR ATTENTION!

[anap@phys.uni-sofia.bg](mailto:anap@phys.uni-sofia.bg)