



# Reflections on data: the ELIXIR perspective



*Andrew Smith*

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[www.elixir-europe.org](http://www.elixir-europe.org)

## ELIXIR's EU projects - Prep Phase to now



**Preparatory Phase**

2007-2011

Decisions on legal  
and financial model



**INFRADEV-3**

2015-2019

'Build' the  
infrastructure  
Connecting data-  
resources



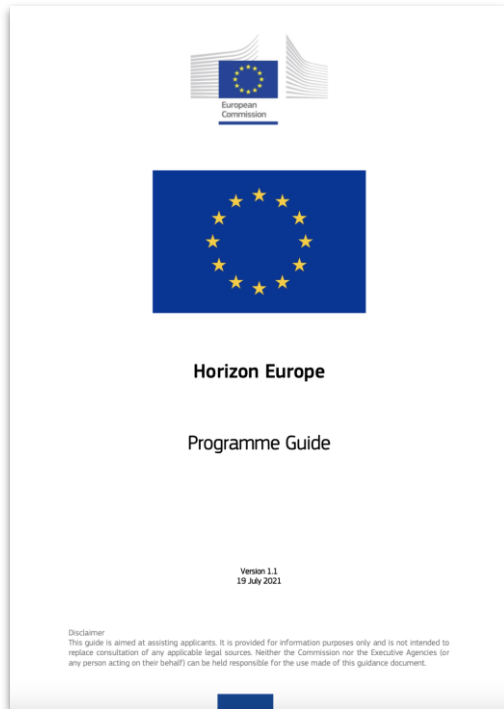
**INFRADEV-3**

2020-2023

Data management  
support



# Project-specific issues: Horizon Europe guidelines on Open Science



- Open Science more important than ever
- Requirement for Data Management Plan for the project
- Data management part of the review
- Consider other assets such as software, algorithms, tools....
- [Programme Guide](#) in full

# Infrastructure-specific issues: What are the data challenges in your domain?



Data growth



Diversity of data



Geographic spread



Sensitive data

Examples of challenges in the life sciences



# What is the role of your ESFRI in relation to data?

- Some ESFRIs are data infrastructures
  - ELIXIR - data come from thousands of experiments, projects and labs across the globe
  - Role is to coordinate and sustain hundreds of data-related services
  - The whole purpose of the ESFRI is to support data-related needs of community
  - Collaboration with projects and ESFRIs that generate data is crucial
- Most ESFRIs provide access to services/facilities that generate data
  - One single data management policy?
  - Data management policies relating to specific services?
  - Linked to access policy/ies of RI?

Data is a critical aspect to both types of ESFRIs - but there are differences

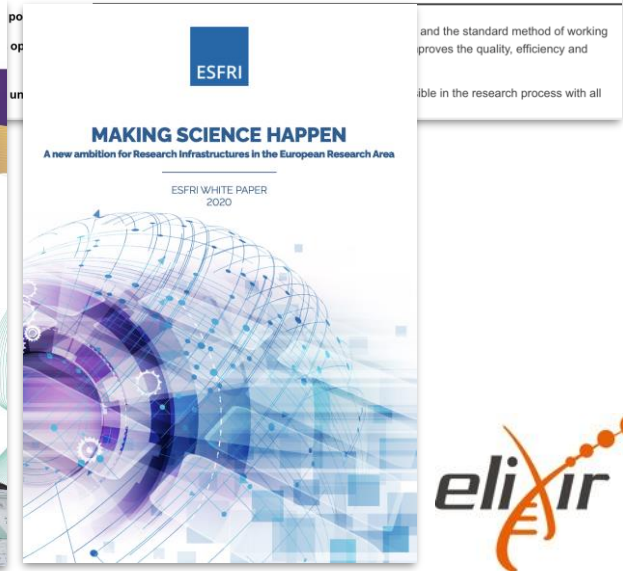


# Relevant EU-level policies

- EU's Open Science policy
- European Open Science Cloud (EOSC)
- EU Data Strategy
  - Revisions to GDPR
  - 'Data Spaces'
- ESFRI White Paper 2020



**EUROPEAN OPEN  
SCIENCE CLOUD**



## Final suggestions and useful resources

- Review the data access/management policies of similar ESFRIs
- Use the resources and tools from other ESFRIs when they exist
- Lots of domain-specific data management support tools exist - <https://rdmkit.elixir-europe.org>
- Training registries such as ELIXIR's TeSS: <https://tess.elixir-europe.org>
- Future training on data for research infrastructure managers - RITrainPlus: <https://ritrainplus.eu>





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