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# E-Infrastructures or e- Infrastructure services for citizen science?

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# IT services needs of citizen scientists



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- Fast and reliable public internet access
- Adequate “portals” to access and deposit data
- Adequate “portals” to data analysis tools
- Clear and understandable documentation

# Examples



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## Galaxy Zoo Universe



# Examples



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Digitisation of a dictionary for a Flemish dialect  
on agriculture

- Crowdtyping

Need essentially e-mail and editing tools.

# DCH citizen science



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- More sophisticated use?
  - add data
  - download large quantity of information  
(high resolution pictures, ...)
  - computing needs

# Basic underlying needs



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DCH organisations need to “have” a robust e-infrastructure including a data management policy and a data management plan

“have”



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≠ own

- Can be a mix of private and public e-infrastructures and corresponding services offered by a mix of providers

# Data management policy



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- Addresses
- Access rights and restrictions
- Long term usability
- Data formats
- Meta-data structures
- Interoperability with existing frameworks



# Data management plan



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- How data will be handled during the research and after after completion of the research project
- Can include data services
- Can include plans for collaboration at the data level
- Can reference procedures and resources needed for long-term preservation

# Beware of extending ...



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e-infrastructures for research to the citizen environment:

- Do not scale
- Would be too expensive
- Some concepts (like the federated identity) are not possible when extending to any citizen

# e-infrastructure services



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... is what is needed

- Independent of e-infrastructure technologies
- to be usable from “anywhere” where anywhere can depend on the case
- Easy to use

# Contacts



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