

# Feedback on Deliverable 6.1

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# Disclaimer

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- u I'm not an expert on deliverables
- u Feedback was generated *a prima vista*
- u All views presented are personal, biased, non-validated, and even non-reproducible
  
- u ... 'cause I'm a reviewer



# What's it about?

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- u Semantic Interoperability Deployment and Research Roadmap
  - § Barriers, approaches and research priorities for integrating biomedical ontologies



# Strong Points

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- u Roadmap is very much needed
- u Roadmap is timely
- u Roadmap reflects lots of knowledge and effort from the partners
- u I agree with most of the analyses



# Points for Consideration

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- u Ensure and make explicit how to overcome
  - § Critical barriers (3.3)
  - § Issues Critical to Europe (3.4)
  - § Open questions and research needs
- u Watch out for (seeming) inconsistencies
  - § Plea for Web 2.0 infrastructure
  - § “The number of people with those skills in useful combination ... is extremely limited”



# More Points for Consideration

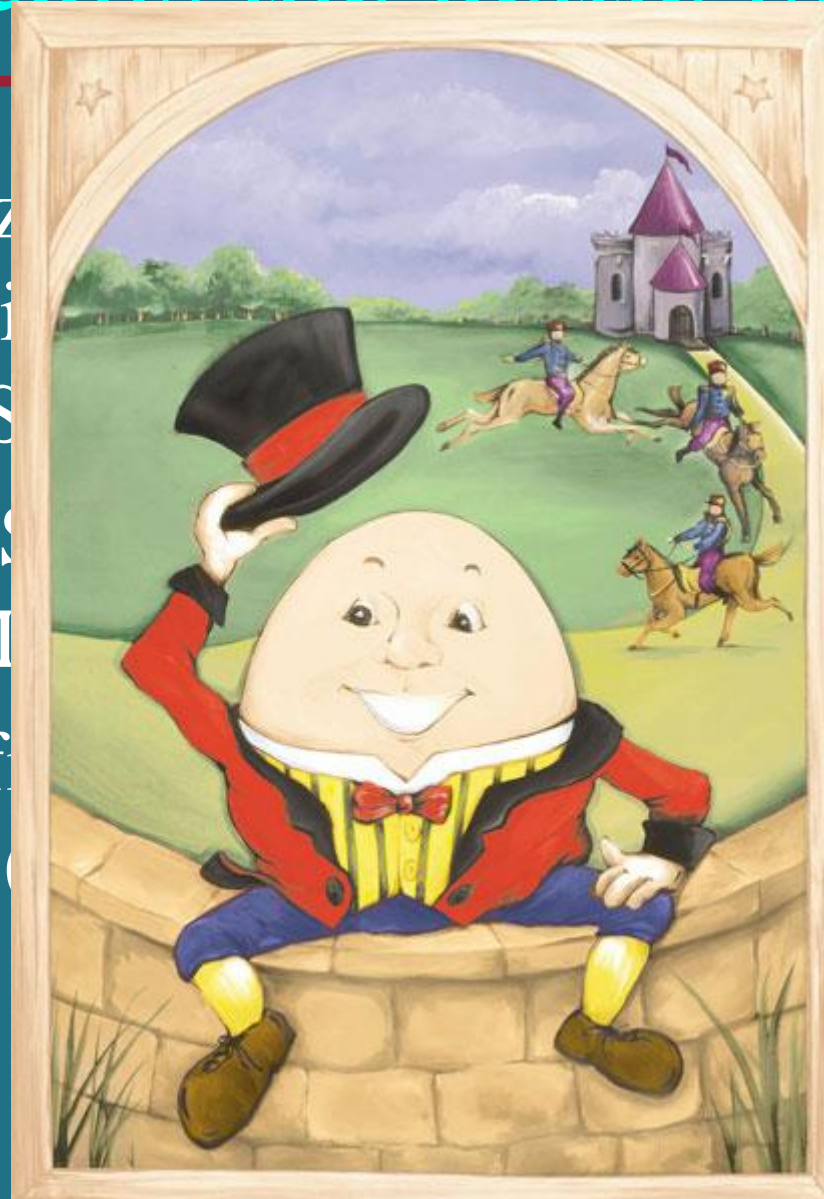
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- u Tables instead of text
  - § Authoring Tool & Browsing sets (2.3.4)
  - § Infrastructure and Software (2.3.5)
    - » Provide structured description rather than somewhat incomparable views on software
- u Prevent any shadow of bias, e.g., regarding specific (previous) work (GALEN, SNOB)



# “the pot calls the kettle black”

- u Criticizing  
primary  
UK/US
- u Using S  
SNOM
- u “...def  
them”



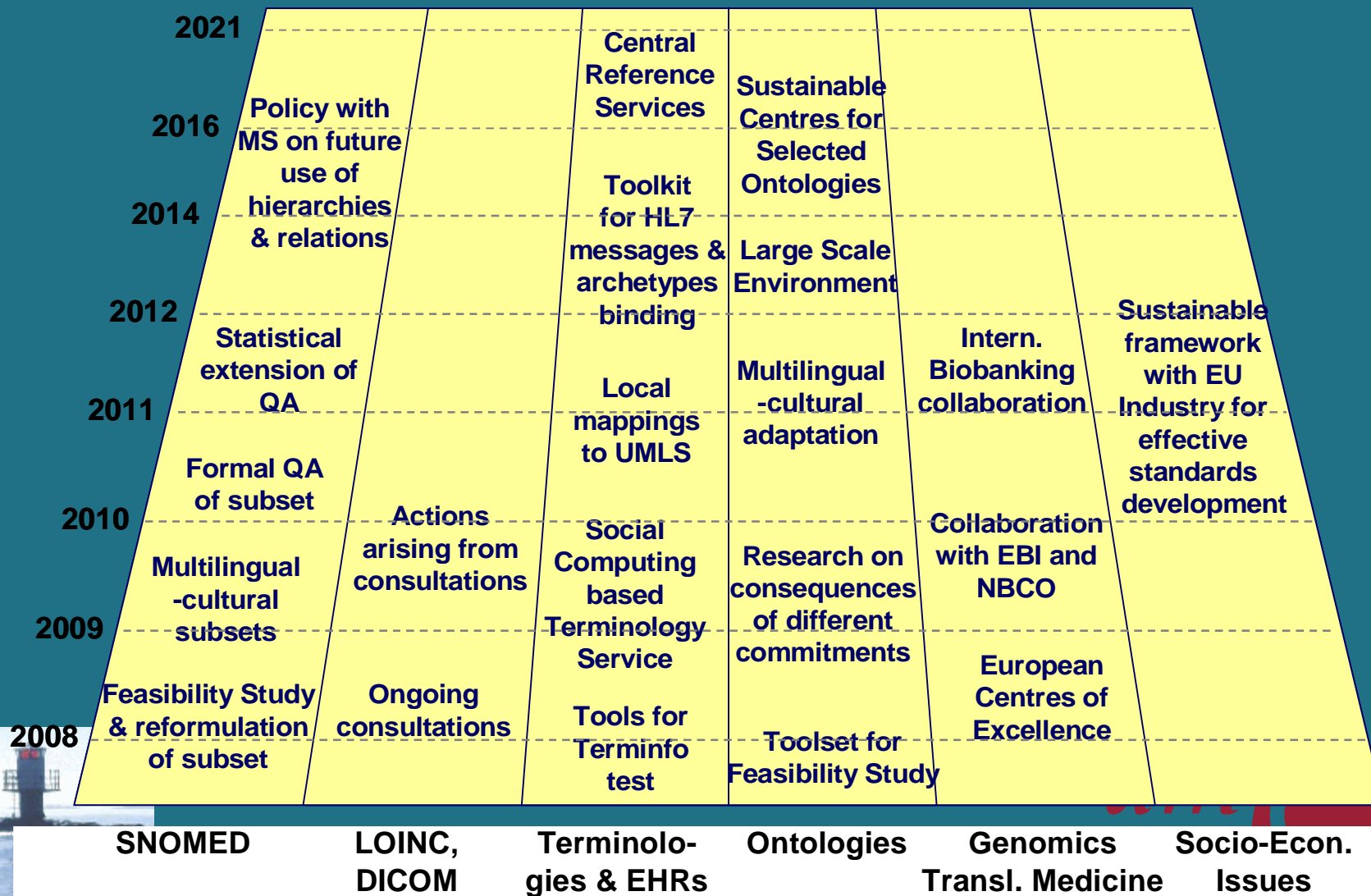
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using on  
cation

T and

we shall use



# Timelines versus Timeliness



# Road-map or Road Construction?

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- u Start with small but deep use-case:
  - § Representation for EHR [RDF(S)] and Ontologies [OWL(-DL)]
  - § Reproducible Information Model for EHR + Ontologies: add **explicit semantics to EHR model**
  - § *Organism has\_temperature 37* versus  
*Organism has\_feature SOME (Temperature\_Feature THAT has\_state SOME (has\_magnitude VALUE 37 AND has\_units VALUE degrees\_C))*



# Road Construction (part II)

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- u Identify gaps

- § What knowledge can not be captured in OWL?

- § What information can not be stored in RDF?

- u Identify stopgaps

- § What more do we need to fill the gaps?

- u What else do we need?

- § Ontologies are not enough; how to deal with culture, context, idiom



# Road Construction (part III)

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- u How to properly deal with
  - § clinical classifications
  - § incomplete information
  - § nontological inference
  - § abstraction
  - § filtering (today's information is tomorrow's noise)



# Road Construction (IV)

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- u What we need is construction workers!
  - § Raise the level of awareness
  - § Raise the level of knowledge
  - § Raise the level of capabilities / tools
  
- u Education, Education, Education!



**We'll cross that bridge when we come to it?  
We'll have to build it first!**

