

Feedback on Deliverable 6.1

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Disclaimer

- 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?

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



Strong Points

- 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

- 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”



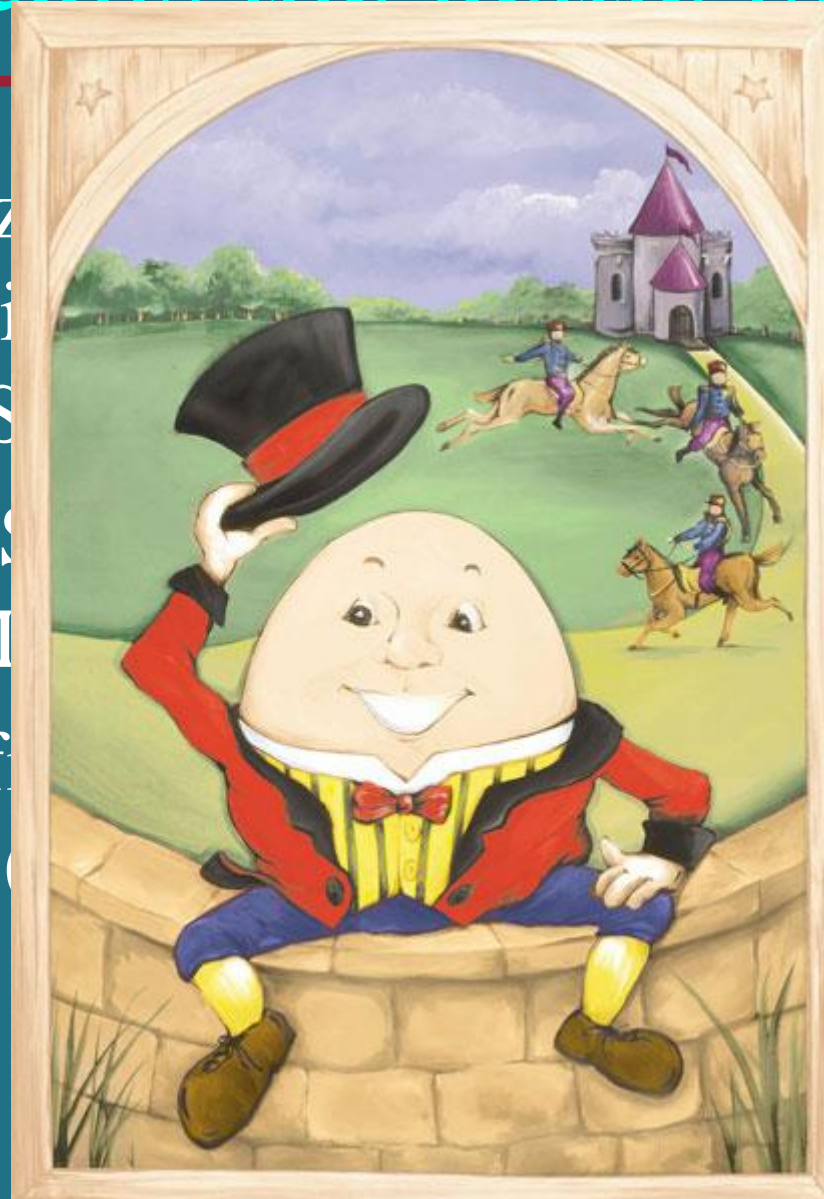
More Points for Consideration

- 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”



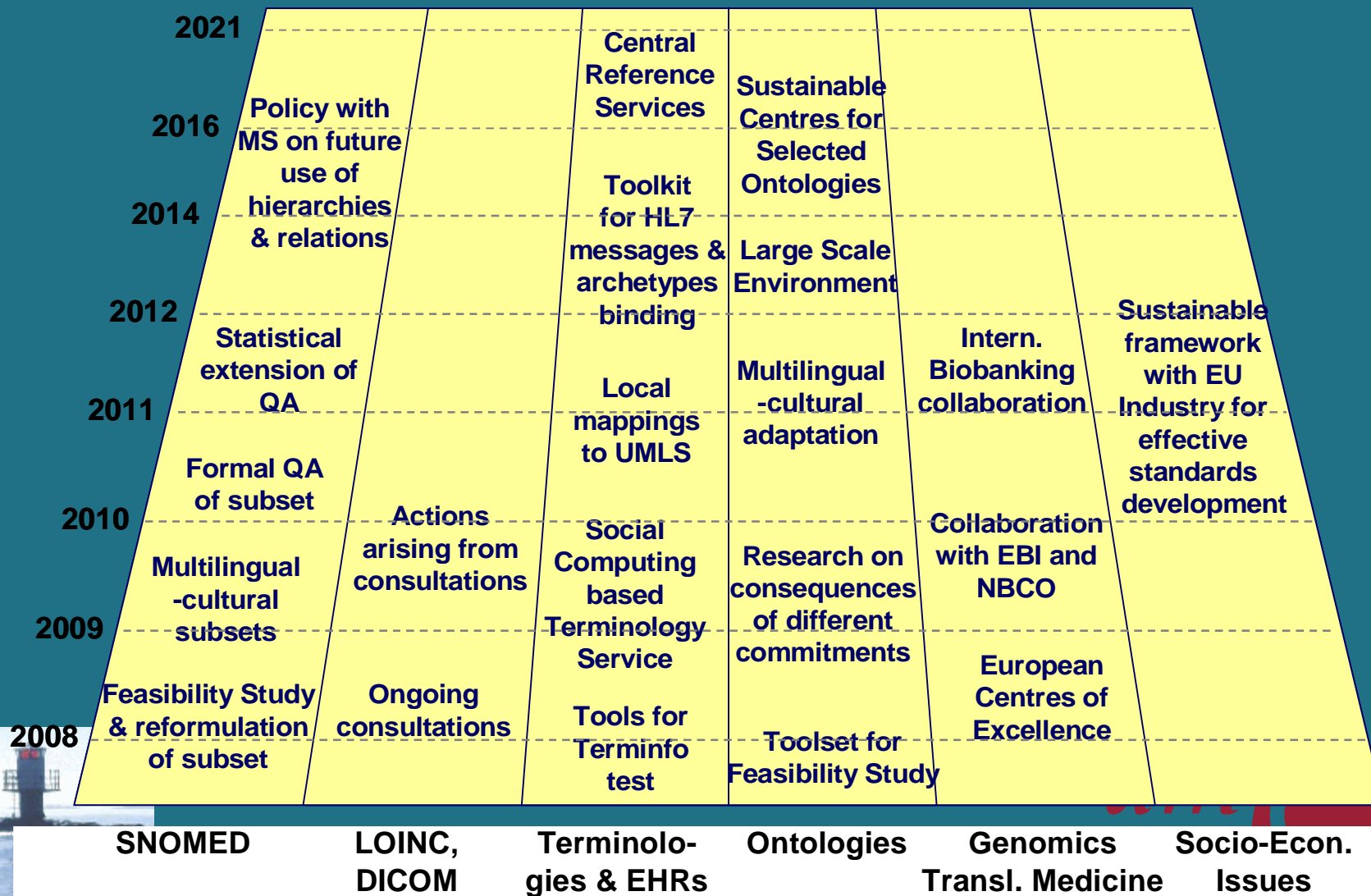
being
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cation

T and

we shall use



Timelines versus Timeliness



Road-map or Road Construction?

- └ 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)

- 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)

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



Road Construction (IV)

- 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!**

