Next Steps

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• Roadmap: advances in extension (across the digital divide), concretization (impressive), coordination (still a challenge)

• Concrete steps

• Paradigm shift: from a fragmented world of individual papers to an integrated global knowledge representation
Berlin Roadmap: advances in extension, concretization, coordination

• Preamble
  – The signatories of the Berlin Declaration are committed to achieving full open access to scholarly communication in order to realize the benefits of world-wide access to knowledge. In order to implement the Berlin Declaration institutions should
  • ...

• 3. make openly accessible the primary data underlying scientific research and publications – including representations of cultural heritage
Berlin Roadmap: advances in extension, concretization, coordination

• 4. Raising awareness
  – …
  – * raising the awareness of holders of cultural heritage by creating incentive and reward structures
Berlin Roadmap: advances in extension, concretization, coordination

6. Creating a sustainable infrastructure
   - ...*
   - * establish mechanisms for federating existing and developing infrastructures
Berlin Roadmap: advances in extension, concretization, coordination

- 7. Establishing a legal framework
  - ...
  - * A legal framework should be established sustaining open access to cultural heritage
Berlin Roadmap: advances in extension, concretization, coordination

• 8. Supporting open access journals as well as new forms of open access publications
  – …
Concrete Steps

• Berlin Process Website
• Establish working groups
  – “Federating infrastructures”
    (Norbert Lossau)
  – “Open Access as a paradigm shift of science”
    (Rick Luce)
  – “Open access to data” (????)
  – “Coordinating support” (????)
Open Access is a Paradigm shift of Science!

- Global challenges require problem-oriented science studying its objects in context
- No rigid disciplinary but self-organizing thematic structures, living on the Web and reflecting the interaction of the users
- Representing the world not by fragments of texts and data connected ex post but by virtual objects, studied in virtual co-laboratories
- Open access: precondition for a global representation of human knowledge