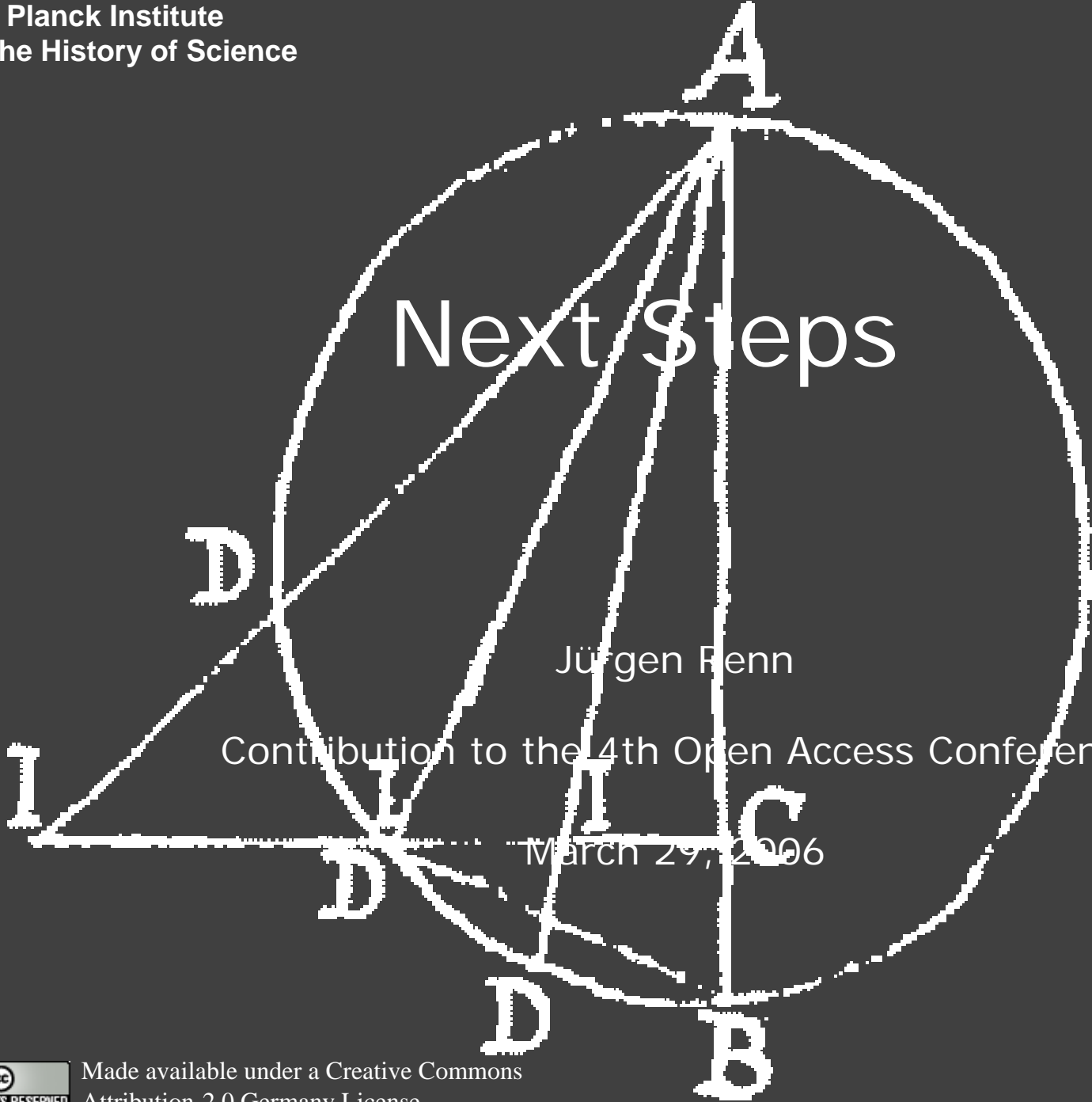


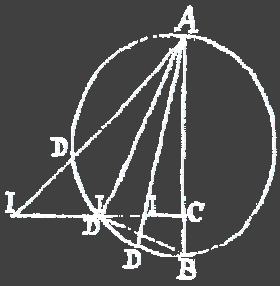
Next Steps

Jürgen Renn

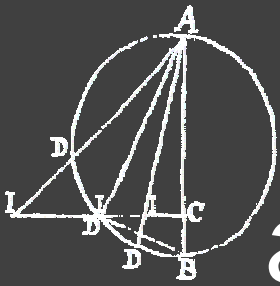
Contribution to the 4th Open Access Conference

March 29, 2006



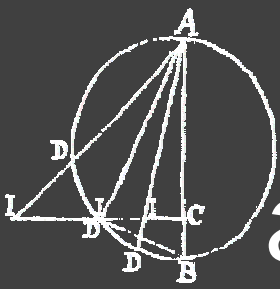


- Roadmap: advances in extension (across the digital divide), concretization (impressive), coordination (still a challenge)
- Concrete steps
- Paradigm shift: from a fragmented world of individual papers to an integrated global knowledge representation



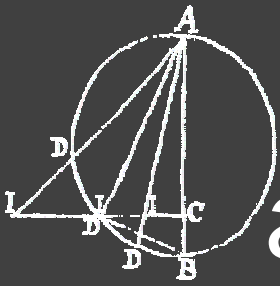
Berlin Roadmap: advances in extension, concretization, coordination

- 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



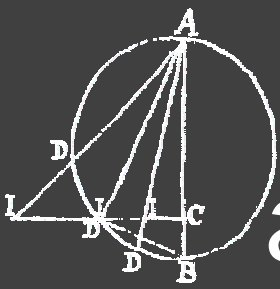
Berlin Roadmap: advances in extension, concretization, coordination

- 4. Raising awareness
 - ...
 - * raising the awareness of holders of cultural heritage by creating incentive and reward structures



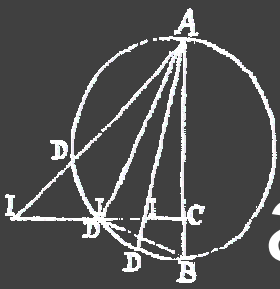
Berlin Roadmap: advances in extension, concretization, coordination

- 6. Creating a sustainable infrastructure
 - ...
 - * establish mechanisms for federating existing and developing infrastructures



Berlin Roadmap: advances in extension, concretization, coordination

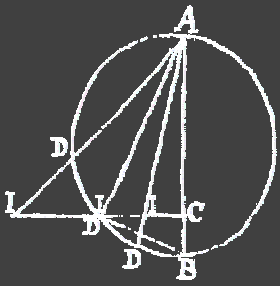
- 7. Establishing a legal framework
 - ...
 - * A legal framework should be established sustaining open access to cultural heritage



Berlin Roadmap: advances in extension, concretization, coordination

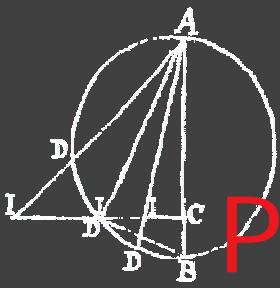
- 8. Supporting open access journals **as well as new forms of open access publications**

— ...



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