



Pathway to Open Science: publications, data, ...

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Policy of Member Countries

- Building national knowledge infrastructures:
 - Publications
 - Research data
 - Documentation in various forms
 - Interoperability with OpenAIRE and other EC infrastructures
- Research Data Alliance and its driving role
- Synchronisation of EC and national agendas

Case of Poland

- National infrastructure for scientific information: scholarly publishing, educational materials, research data, multimedia (SyNaT program)
- Integrated infrastructure for research documentation: publications (PBN - Polish Research Bibliography, Pol_Index – citations index), institutional data, evaluation tools (Pol-ON program)

Components: publishing

- Challenge of new, „born digital” concepts of publications as dynamical systems
- Enhanced models of publications:
incl. source data, processing tools and results:
 - Novel models of research collaboration
 - Virtual research infrastructures and organisations

Drivers of Openness

- Funding shift:
 - from beneficiaries to creators
 - one-time costs coverage
- Awareness:
 - Knowledge as Common (public) Good
 - Culture of sharing rather than protecting

Drivers of Openness, 2

- Scientific evaluation:
 - from individual to institutional level
 - from bibliometrics to webometrics and beyond
- Extended range of measured factors:
 - Created scientific data
 - Other documentation forms
 - Scientific services, research infrastructures, ...

Components: research data

- Collaborative instead of competitive attitude
- Models of admissible data re-use
- Data as component of research record:
 - Need of evaluation concepts
 - Culture of sharing
 - Rules of admissible re-use

New enhanced publishing models

- Need for new category of community publishers
- Overhauled debate on „gold-vs-green” publishing model
- Driving position of the EC
- Role of EC-funded open knowledge infrastructures:
 - Case of OpenAIRE
 - Place for EC-fostered e-publishing initiatives



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