DINI Jahrestagung: Bausteine für Open Science

24. September 2012, Karlsruhe

Die Open-Access-Politik der Europäischen Union

Carl-Christian Buhr

http://bit.ly/cc_buhr, @ccbuhr

(All expressed views are those of the speaker.)

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101 Actions

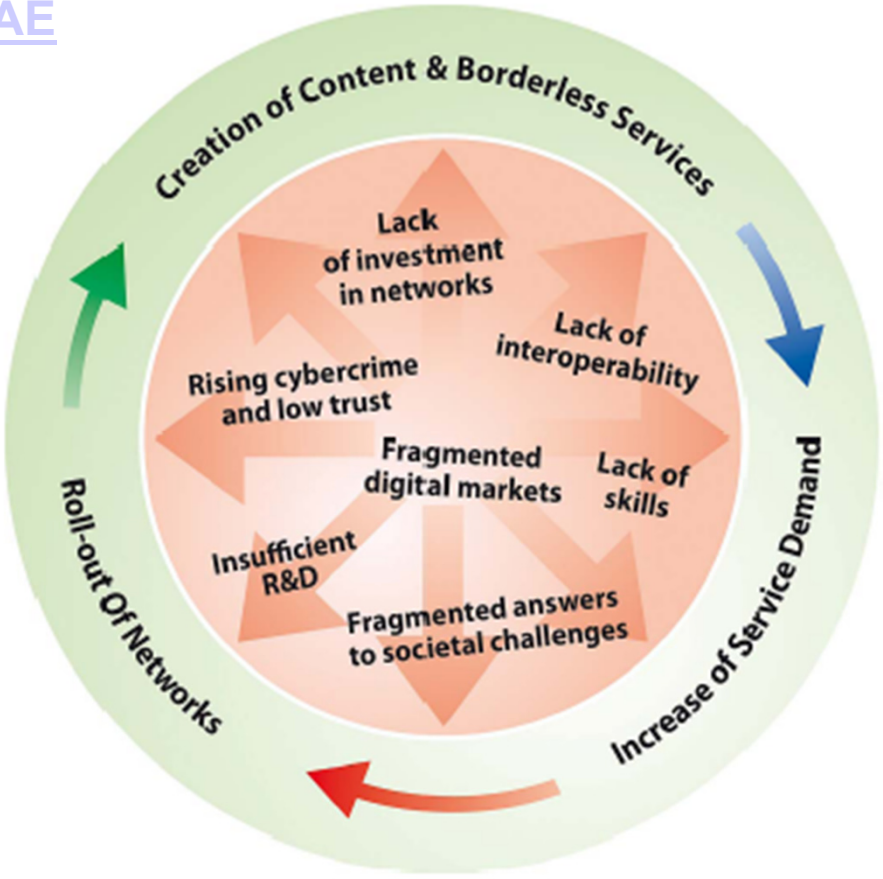
Digital Agenda for Europe

1001100101011101110000100 2010-2020

http://ec.europa.eu/digital-agenda

http://bit.ly/NeelieKroesEU,
@NeelieKroesEU

DAE



http://bit.ly/NeelieKroesEU,
@NeelieKroesEU

101 Actions

Digital Agenda
100110010101110111000010 2010-2020
for Europe

http://ec.europa.eu/digital-agenda

Advising on...

ICT Research Policy
Digital Science
Scientific Information
Open Access
Research Infrastructures
Cloud Computing
etc.

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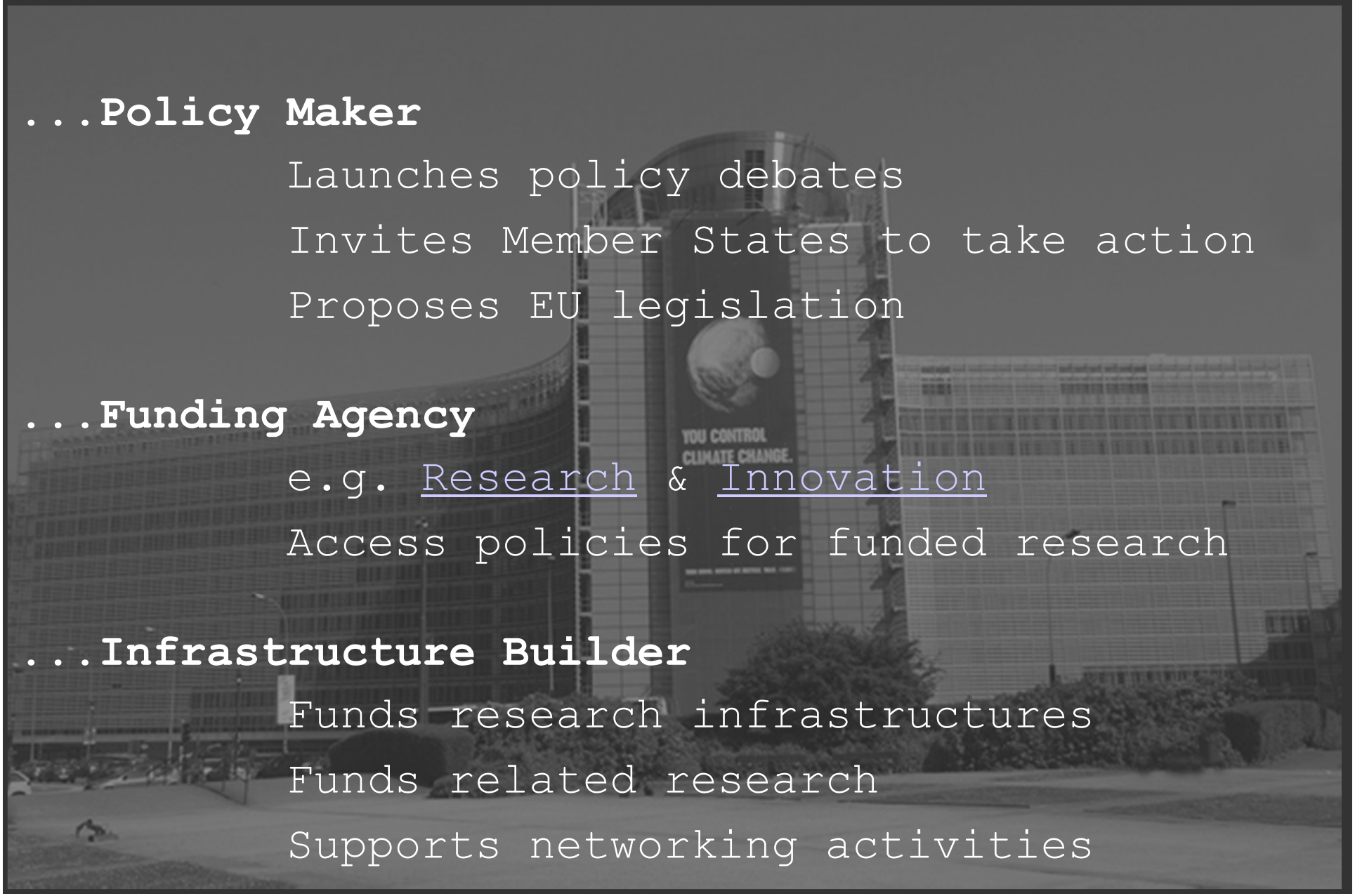
The European Commission as...



...Policy Maker

- Launches policy debates
- Invites Member States to take action
- Proposes EU legislation

...Funding Agency

- e.g. Research & Innovation
- Access policies for funded research

...Infrastructure Builder

- Funds research infrastructures
- Funds related research
- Supports networking activities

27 Commissioners...

Digital Agenda

Neelie Kroes

R&I, ERA

Máire Geoghegan-Quinn

http://ec.europa.eu/commission_2010-2014/

...proposed Horizon 2020

Key elements

- For 2014-2020
- For R&D and for Innovation projects
- Funding: EUR 80bn

...

- Strong increase for e-Infrastructures
- Open Access to research results: for all publications, to data where appropriate

Press Release IP/11/1475 of 30 November 2011
Informationsportal: http://ec.europa.eu/research/horizon2020/index_en.cfm

...now debated in Parliament and Council

European Parliament

http://europarl.europa.eu/

Council of the European Union

http://consilium.europa.eu/

...in particular on Open Access

What is open access (OA)?

OA = online access at no charge to the user

to scientific publications (long form: BOAI and BOAI10 Recommendations just out)

OA comes after a decision to publish, no mandatory publishing

Gold OA: possible payment by author

immediate OA in an OA journal

Green OA: self-archiving of manuscript

some publishers require embargo period (delayed OA) in OA repository

Status Quo until 2013

OA to Publications

Covers 20% FP7 budget

Best effort mandate

Embargo (6/12m)

Costs reimbursable

OA to Data

Some projects

Not systematic

http://ec.europa.eu/research/science-society/open_access

Strong political support

"Access to scientific results for free, for all, for ever **is a compelling vision** indeed."

"The question is no longer 'if' we should have open access. **The question is about 'how'** we should develop it further and promote it."

"Scientific information has the power to transform our lives for the better – **it is too valuable to be locked away.**"

Innovation Union & Open Access

"[...] the Commission will propose a European Research Area framework and […] **open access** ***to publications and data*** from publicly funded research".

"The Commission will promote open access to the results of publicly funded research. It will aim to **make open access to publications the general principle** for projects funded by the EU research Framework Programmes […]"

Innovation Union (COM(2010)546, 06.10.2010), http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:52010DC0546:EN:NOT

Communication & Recommendation on Scientific Information

Adopted on 17 July 2012: Documents at http://bit.ly/MuHbBl

Goals

- 100% OA for publications in Horizon 2020
- Member States to have OA policies by 2014
- 60% of publicly funded research OA by 2014

OA in Horizon 2020

OA Pilot in FP7

"Best effort" OA

7 work programmes

Peer-reviewed publications

Allowed embargos: 6/12 months (for social sciences & humanities)

Green OA

OA mandate in H2020

OA Obligation

All work programmes

"

"

Plus: Possibility for research data

OA publishing costs

Eligible while project runs

Gold OA

OA publishing costs

Eligibile while project runs

New financial tool to cover later publications

OA in the Member States

Conclusions of policy review

Disparate follow-up to 2007 EU initiative

No clear OA obligations in many MS

→ 2007 policy needs to be updated

Commission Recommendations

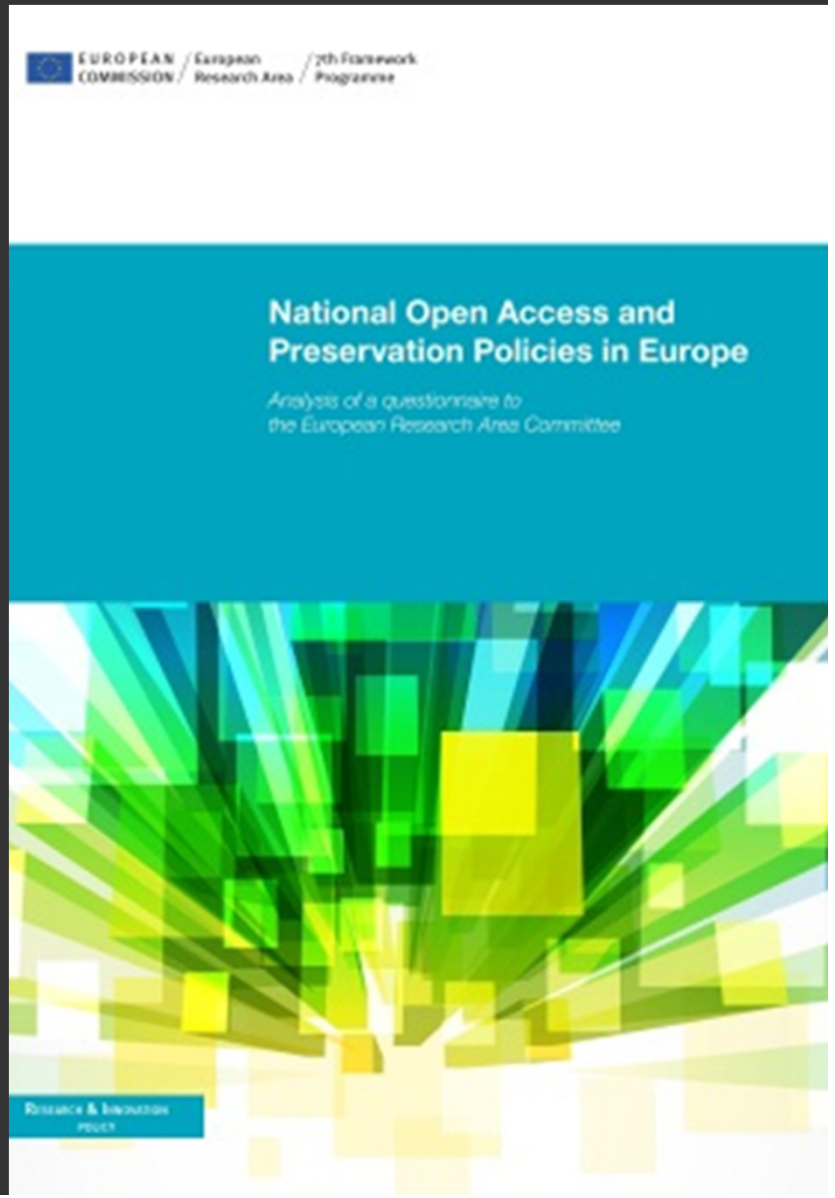
Complete set of recommendations to MS

Consistency between H2020/MS policies

OA to publications

OA to data (with some caveats)

Accompanying measures



"My goal is to **raise awareness** of the opportunities represented by scientific data"

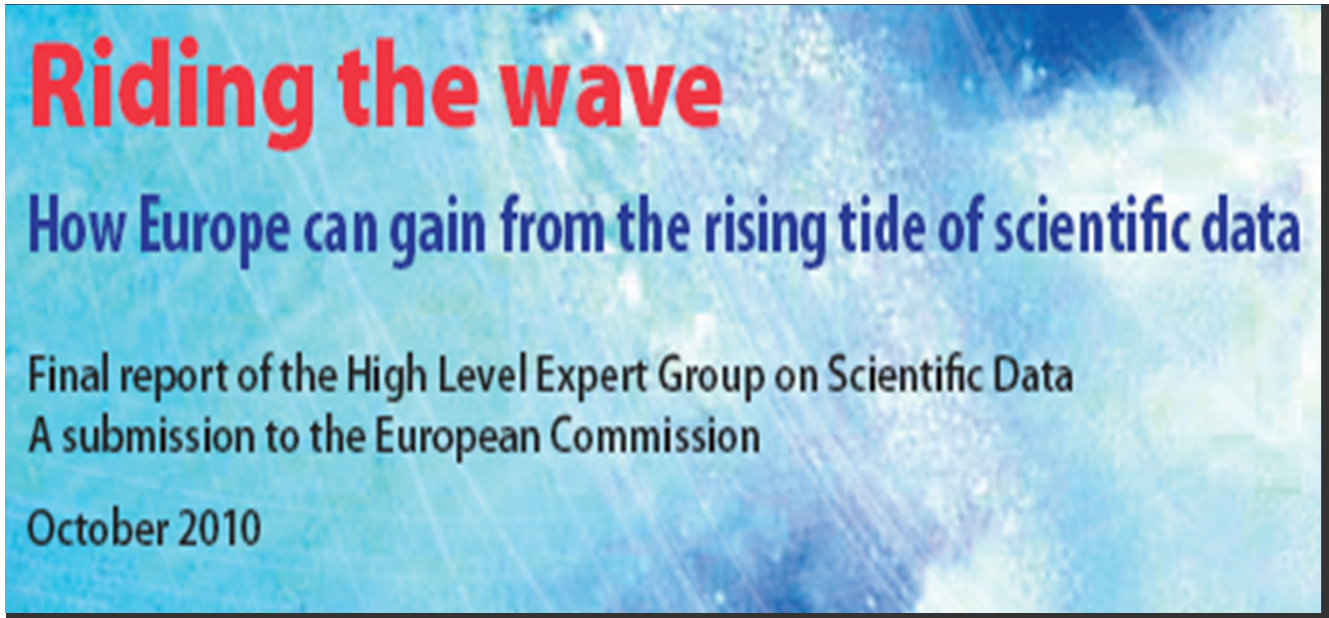
http://europa.eu/rapid/pressReleasesAction.do?reference=SPEECH/10/518

"[T]ruly free access to scientific data is not possible without a **coordinated effort** of European and global stakeholders to build and sustain an underlying seamless and trusted infrastructure."

http://europa.eu/rapid/pressReleasesAction.do?reference=SPEECH/10/716

"[**Interoperability**] is the key to global, multi-disciplinary science, supported by reliable and high-performance data infrastructure. We need datasets and software to work with each other"

http://europa.eu/rapid/pressReleasesAction.do?reference=SPEECH/12/392



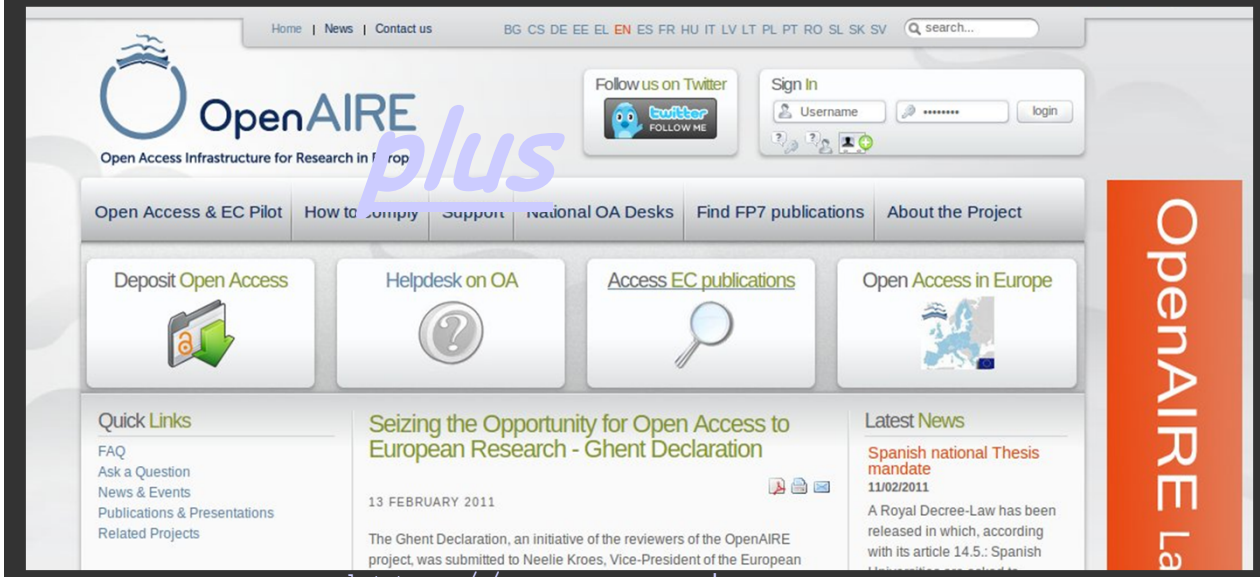
Preparing for Data

http://bit.ly/riding_the_wave

"the data themselves become the infrastructure".

Geant High Level Expert Group,
Report of October 2011 http://bit.ly/geantEG

Building Infrastructures



http://www.openaire.eu

EUDAT

http://www.eudat.eu/

GÉANT

http://www.geant.net

http://www.prace-project.eu

http://europeana.eu

maintain, link, extend

What next for Open Science?

Policy

Who will run science data infrastructures?
Towards a common approach in Europe
International coordination

Funding

Build on PRACE, GÉANT, OpenAIREplus etc.
Infrastructures to cope with "Big Data"
Drive research into tools & methods (e.g. EUDAT)

Community Building

For example: Digital Humanities
Europeana as a research infrastructure (funded through the Connecting Europe Facility)

Discussion

How to bring together the Open Access and Open Data Communities? (On policy, on technology?) Joint projects?

Institutional questions: Role of Libraries?

Common challenges? E.g. (publications/documents as data, micro publications, text mining, etc.) What should Horizon 2020 fund?

Learning from each other: Formats, architecture, infrastructure

Is research data just a special case?

Pointers

The EC and open access

http://ec.europa.eu/research/science-society/open_access

Communication & Recommendation on Scientific Information

http://europa.eu/rapid/pressReleasesAction.do?reference=IP/12/790

http://ec.europa.eu/research/science-society/index.cfm?fuseaction=public.topic&id=1301&lang=1

Relevant Speeches by Neelie Kroes

http://europa.eu/rapid/pressReleasesAction.do?reference=SPEECH/10/518

http://europa.eu/rapid/pressReleasesAction.do?reference=SPEECH/10/716

http://europa.eu/rapid/pressReleasesAction.do?reference=SPEECH/12/218

http://europa.eu/rapid/pressReleasesAction.do?reference=SPEECH/12/258

http://europa.eu/rapid/pressReleasesAction.do?reference=SPEECH/12/392

Data Expert Group Report: "Riding the wave" http://bit.ly/riding_the_wave

GÉANT Expert Group: "Knowledge without Borders"

http://bit.ly/geantEG

Horizon 2020 proposal

http://ec.europa.eu/research/horizon2020/index_en.cfm

Budapest Open Access Initiative

http://www.soros.org/openaccess/boai-10-recommendations

Contacts

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<facebook>http://on.fb.me/Neelie_Kroes</facebook>

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