

UNECE Aarhus Convention

Fifth meeting of the Task Force on Access to Information under the Aarhus Convention

 **UNECE** United Nations Economic Commission for Europe



DIGITAL  AUSTRIA

Practical Steps on e-Environment: From e-Government to Open Government Update 2016

TFAI5 – Geneva, 10 - 11 Oct 2016

Content

- Plattform Digital Austria – National eGovernment Strategy
- National SoER 2016
- Digital Roadmap
- 5 Years Cooperation OGD Austria
- National Open Government Data Portal / European Data Portal
- Open Data Portal Austria
- LTER – Long-term Ecological Research
- SENTINEL National Mirror @ZAMG
- CCCA – Data Centre
- 30. EnviroInfo Conference in Berlin
- PegelAlarm – use of public data example
- Open Government Implementation Model 3.0
- Digital Agenda Vienna
- Interaction FOIA – PSI – OGD – EI – INSPIRE

Organisation

DIGITAL  AUSTRIA

Federal Government

Digital Austria

Management

CIO

Spokesperson

Local and National Governments as well as Chamber Organisations and Industry

Digital Austria
Federal ICT Board

Digital Austria
eCooperation Board

Ministries

Provinces, Municipalities, Regions



AUSTRIA

CONNECTED

National Structures – Secret of Success

■ National Strategy:

- [eGovernment Strategy Austria](#)

■ Organisation:

- [Platform Digital Austria](#)
- [Cooperation OGD Austria](#)

■ Tools:

- [data.gv.at](#) – National OGD Metadata Catalogue
- [Open Data Portal Österreich](#) – Civil Society

■ Communities:

- [OKFN](#) - Open Knowledge Foundation Austria – Open Science
- [Open3](#) - OpenSociety, OpenGov & OpenData

Austrian State of Environment Report

SoER 2016

Umweltkontrollbericht 2016

The 11th State of the Environment Report (SoER) describes the environmental situation in Austria 2013 - 2016.

It is a written report on the performance of tasks specified in the Environmental Control Act, and is presented to the Austrian National Assembly by the Federal Environment Minister every three years.

The Umweltbundesamt - Austria's environmental protection agency - is responsible for preparing the SoER.

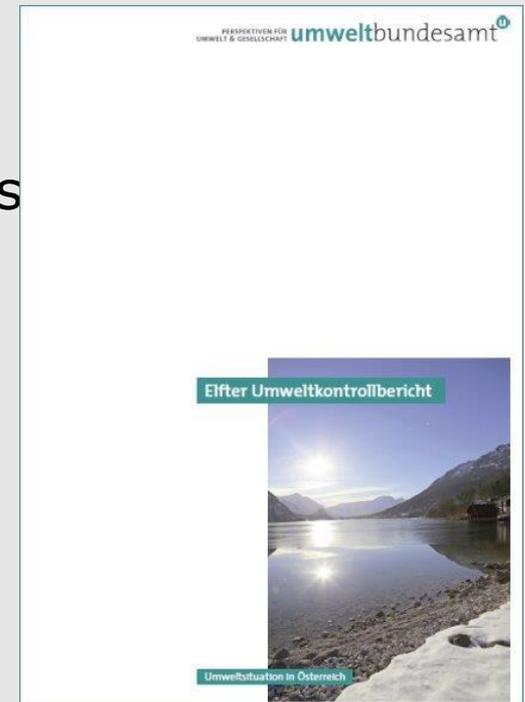
SoER 2016 released on **6th Oct 2016**

http://www.umweltbundesamt.at/news_20161006

Legal Basis & Mandate for the Austrian SoER

Environmental Control Act 1985:

- obliges Environment Minister to report on the state of the environment every 3 years
- with a view to the protection of the environment in its entirety, good and improved living conditions...: (a) to determine status and development of the environment and impact factors (b) to assess these findings (c) to make report public
- tasks the Environment Agency Austria to do this work on behalf of the Minister



A joint and continuous process

Digital Roadmap

Peter Kustor

Federal Chancellery of Austria

Department I/ 11

E-Government –

Legal, Organisational and International Issues

peter.kustor@bka.gv.at

<https://digitales.oesterreich.gv.at>

<https://digital.austria.gv.at>



What is it?

- **Aim:**
 - Decision of the Federal Government on the vision, the content, the fields of activities and the actions and measures of the digital roadmap

- **Extensive involvement in the drafting process:**
 - Federal Ministries
 - Regions, cities and municipalities, social partners,
 - Businesses and civil society, stakeholders from science and research, community...
 - **Public online consultation**

Fields of activities/ main pillars



**Politics and
administration**



Trust and security



**Society, labour and
education**



Economy



Infrastructure



**Science, research
and innovation**



Future

Digitalization and Politics

Sonja Schneeweiss

Federal Chancellery
Office of the State Secretary for Diversity,
Public Administration and Digital Agenda,

Muna Duzdar

<https://www.bundeskanzleramt.at>
<https://digitales.oesterreich.gv.at/>
<https://digitalroadmap.at/>



Open Data – contributes to democracy

- Allows fact-based discussions
- Without the “bias” of summaries
- **Open to all people**
...appropriate literacy and resources required
- Chance for citizens, but especially for **NGOs**
- Added value for the whole economy and society
- Platforms in Austria: **data.gv.at** and **opendataportal.at**
UN Public Data Award 2014 for Data.gv.at
- Caveats:
budget, accountability, competition, business secrets
- Information basis for participation...

Cooperation OGD Austria

COOPERATION OGD ÖSTERREICH

MILESTONES 5 YEARS OF OPEN GOVERNMENT DATA IN AUSTRIA



<https://www.data.gv.at/infos/cooperation-ogd-austria/>

National Open Government Data Portal

<http://data.gv.at/>



data.gv.at – offene Daten Österreichs



Suchbegriff (z.B. Finanzen, Wahlen)

Suche starten

Daten & Dokumente Apps & News

[→ Katalog durchstöbern](#)

Startseite

Daten ▾

Dokumente ▾

Anwendungen ▾

Infos ▾

Themen durchsuchen

Comprising „open documents“



Arbeit



Bevölkerung



Bildung &
Forschung



Finanzen &
Rechnungswesen



Geographie &
Planung



Gesellschaft &
Soziales



Gesundheit



Kunst & Kultur



Land- &
Forstwirtschaft



Sport & Freizeit



Umwelt



Verkehr & Technik



Verwaltung &
Politik



Wirtschaft &
Tourismus

Structure National OGD Portal



European Data Portal

<https://www.europeandataportal.eu/>

The screenshot shows the European Data Portal interface. At the top, there is a search bar with the text "Search Portal" and a magnifying glass icon. Below the search bar is a navigation menu with options: "What we do", "Providing Data", "Using Data", "Library", and "Data". The main content area is titled "Catalogues" and features a search bar with the text "austria". Below the search bar, it displays "3 catalogues found for 'austria'" and an "Order by:" dropdown menu set to "Name Ascending". The search results are listed as follows:

- data.gv.at**: Open Government Data Portal Austria, 2103 Datasets
- Inspire Portal Austria**: Geo Data Portal Austria, 1056 Datasets
- Open Data Portal Austria**: Open Data Portal Austria for business, culture, NGO / NPO, research and civil society, 328 Datasets

On the left side, there is a sidebar with a "What are Catalogues?" section and a "Countries" list including Austria, Belgium, Bulgaria, Switzerland, Cyprus, Czech Republic, Germany, Denmark, and Estonia. At the bottom right, there is a logo for the European Data Portal and the text "EUROPEAN DATA PORTAL".

Open Data Portal Austria – Civil Society

Open Data Portal Österreich

Das zentrale Datenportal für Wirtschaft, Kultur, NGO/NPO, Forschung und Zivilgesellschaft

Das Open Data Portal Österreich bietet allen eine Plattform, um auf Daten zu verlinken, Daten einzustellen, Daten zu nutzen, sowie daraus entstandene Services zu präsentieren.

Eine Kooperation von:



www.opendataportal.at



Open Knowledge
Foundation
Austria

COOPERATION OGD  ÖSTERREICH



<https://www.opendataportal.at/>

gefördert von:



Video: <http://www.youtube.com/watch?v=IPIyCIFjZro>

LTER-Austria is ...

- .. A non-profit association aiming at the advancement of science and infrastructure in the domain of ecological long-term research,
- .. A network of in-situ components - LTER Sites & LTSER Platforms,
- .. A community of scientists and scientific institutions, sharing an underlying consensus in content terms,
- .. A “transmission belt” to stakeholders - decision makers and practitioners - to ensure the development of infrastructure and competitive ecosystem research in Austria.

LTER = Long-term Ecological Research

Distributed ecological network dedicated to multidisciplinary, long-term, large spatial scale, in-situ research and monitoring.

LTSER = Long-term Socio-Ecological Research

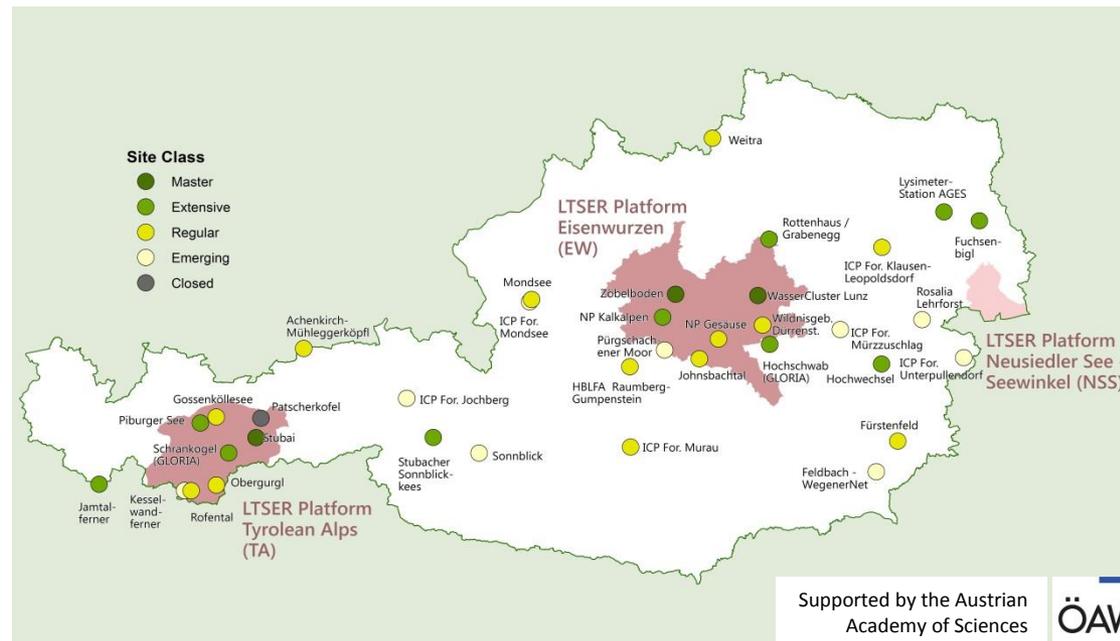
Lays the focus on the human dimension.

Focus in Europe: terrestrial and aquatic ecosystems

LTER-Austria involves **38 LTER Sites and LTSER Platforms.**

The accumulated **infrastructure value** of the network is calculated to be **c. 7 - 9 Mio EUR** (6 Mio EUR more, if the Sonnblick site is included).

Austria was one of the first countries in Europe to initiate the **integration of existing in-situ infrastructures** - suitable sites of ICP Integrated Monitoring, ICP Forest, ICP Waters, EMEP, etc.



Since the sites were established, in some cases as far back as 100 years ago, more than 700 scientists have worked there, producing unique hot spots for ecological knowledge in the process.

Currently, c. 300 national and international scientists are working at the sites or with the data from these sites. In total, **c. 500 projects** have taken place.

Research projects are **financed by national** (ACRP, FWF, ...) and **international funding schemes** (MAB, Horizon 2020, ...).

LTER-Austria unites and links the following **key thematic areas** in a consistent manner, as these are found in recognised conceptual models:

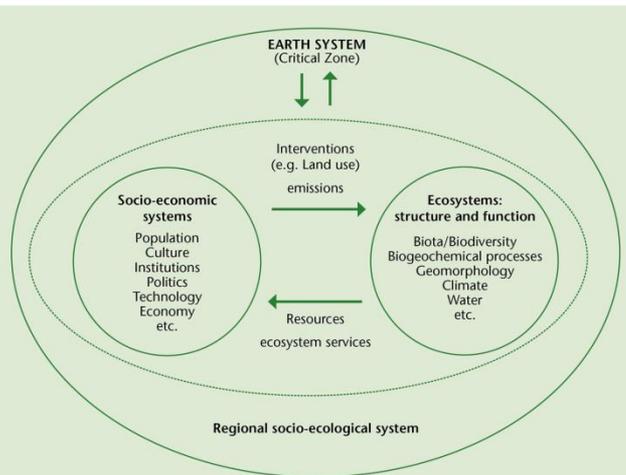


Fig. 7: Concept of society-nature interaction for regional socio-ecological systems, e.g. LTER Platforms. Created on the basis of Fischer-Kowalski and Weisz, 1999; EEA 2007, GLP 2005 and the ISSE model.

- **Process-oriented ecosystem research**
- **Biodiversity and nature conservation research**
- **Socio-ecological research**

The infrastructures are managed by 19 institutions:

- Agricultural Research and Education Centre Raumberg-Gumpenstein (AREC)
- Austrian Academy of Sciences (OeAW)
- Austrian Agency for Health and Food Safety (AGES)
- Bavarian Academy of Sciences
- Biological Station Neusiedler See Illmitz
- Central Institute of Meteorology and Geodynamics (ZAMG)
- Danube University Krems
- Dürrenstein Wilderness Area
- Environment Agency Austria (EAA)
- Federal Research and Training Centre for Forests, Natural Hazards and Landscape (BFW)
- Hydrological Service Salzburg
- National Park Gesäuse GmbH
- National Park OÖ Kalkalpen GmbH
- University of Graz
- University of Innsbruck
- University of Natural Resources and Life Sciences Vienna (BOKU)
- University of Salzburg
- University of Vienna
- Verein Gletscher-Klima

LTER Europe in a nutshell ...



A Network of

- ~ 450 LTER Sites
- ~ 35 LTSER Platforms
- metadata and data
- 25 national networks
- around 100 institutions
- more than 1000 scientists (community)
- Part of a Network of European Networks (ALTER-Net, EXPEER, LifeWatch)... and part of a global network

www.lter-europe.net

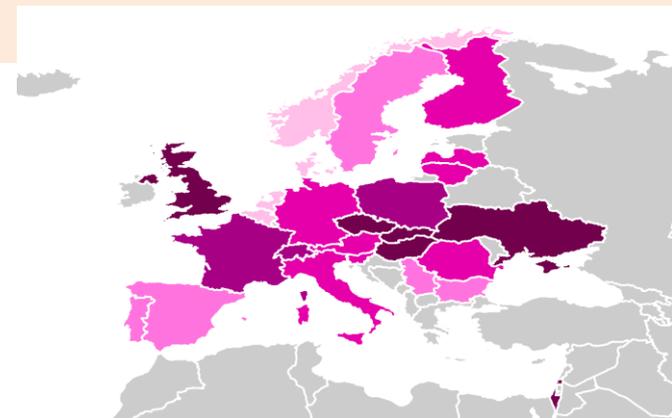
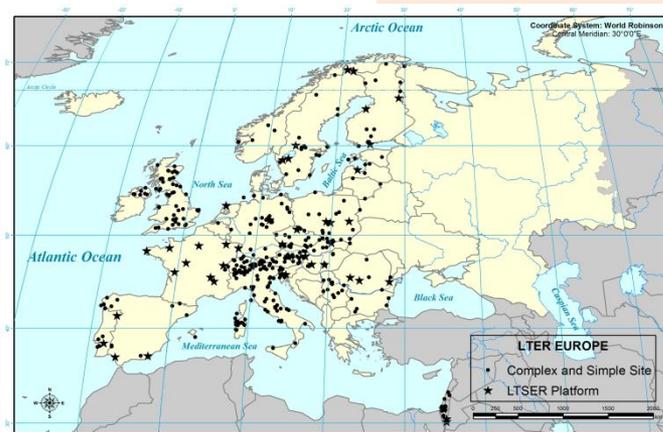
Key questions addressed by the European Long-term Ecosystem Research Network ...

→ What are the drivers of change for the major European ecosystems and socio-ecological systems?

→ How do these changes affect ecosystem functions, biodiversity and ecosystem services?

... in order to provide information to policy processes and management ...

→ How can Ecosystem Services be sustainably





Repository for Research Sites and Datasets

- Home
- Discovery ▾
- Maps ▾
- Documentation ▾
- Network ▾
- Help & Training ▾
- Login

Quick Search

Latest Updates

-  [Multi scalE observatory of floodD...](#)
2016-10-04 09:27
-  [Alptal-Nitrogen-addition - Switzerland](#)
2016-10-04 08:32
-  [Kiso River - Japan](#)
2016-10-04 07:49
-  [Ooyamazawa Riparian Forest Research...](#)
2016-10-04 07:49
-  [Wakayama Forest Research Station - Japan](#)
2016-10-04 07:49
-  [Kagoshima Bay - Japan](#)
2016-10-04 07:49
-  [Lake Toya - Japan](#)
2016-10-04 07:49

Welcome to DEIMS

DEIMS, the (Drupal Ecological Information Management System), is the unique place where you can find information about sites and data sets of networks dealing with ecological long term observation and experimentation in Europe and globally. It is the central platform to register, discover and edit related information. [Read more ...](#)

The new version of DEIMS brings some changes and improvements.

[Read the about the changes](#)

Do you need any help?

[Read our tutorials](#)

Is something not working or do you have any change requests?

[Provide feedback](#)

List ofILTER Required fields for Site Documentation

[ILTER Required Fields](#)

Available Resources



Sites

Find out about the international network of ecosystem research, monitoring and experimentation sites.



Datasets

Find out about the available dataset metadata records from the network.



Persons

Find out about the network of international researchers dealing with ecosystem research, monitoring and experimentation.



Publications

Find out about publications and reports published or contributed.

[Login & Contribute](#)

Tweets by @eLTER_EU

 **eLTER**
@eLTER_EU

A reminder of where to find the global #LTER online database of sites & datasets: data.lter-europe.net/deims/ #ICRI2016 2/2

[Embed](#) [View on Twitter](#)

Tweets by @USLTER

 **US LTER**
@USLTER

Need "dynamic role for ecologists in decision making and public discourse about the management of communities & ecosystems." #EngageESA [twitter.com/landmag25/statu...](https://twitter.com/landmag25/status...)

[Embed](#) [View on Twitter](#)

Tweets by @ecopotential

<https://data.lter-europe.net/deims/>



Video: TV-Report ORF2

Jun 03, 2016: TV-Report on Austrian TV ("heute mittag" - ORF2)



SENTINEL National Mirror

EODC Forum 2016

DI Mag. Günther Tschabuschnig,
Head of Division IT - ZAMG



ZAMG
Zentralanstalt für
Meteorologie und
Geodynamik

National Mirror

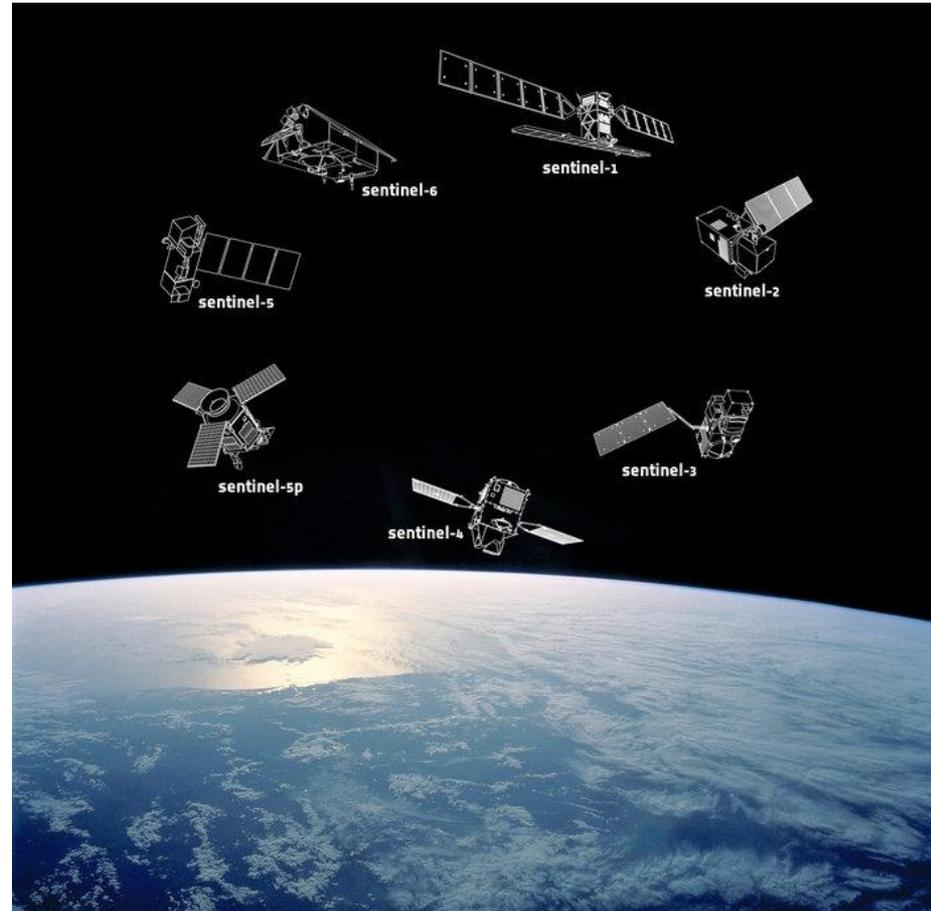
The data mirror is online!

www.sentinel.zamg.ac.at

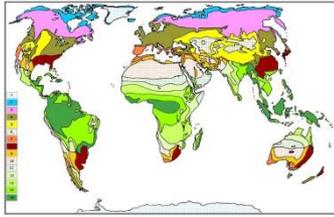
<https://data.sentinel.zamg.ac.at>

data.gv.at

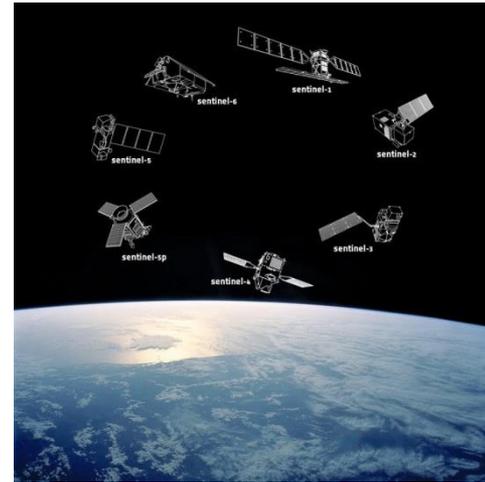
data.sentinel.zamg.ac.at



Geodynamic

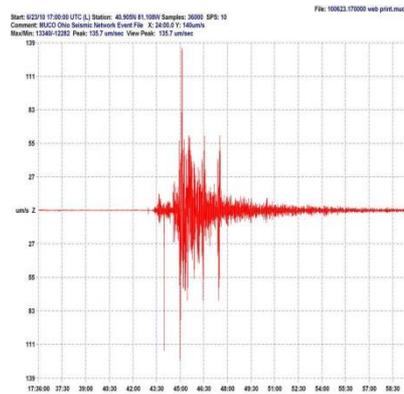


Weather



Climate

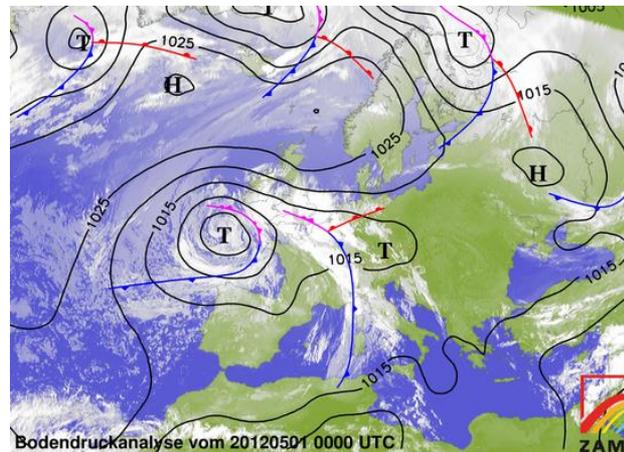
Earthquake



SKKM – Critical Infrastructure



Space weather



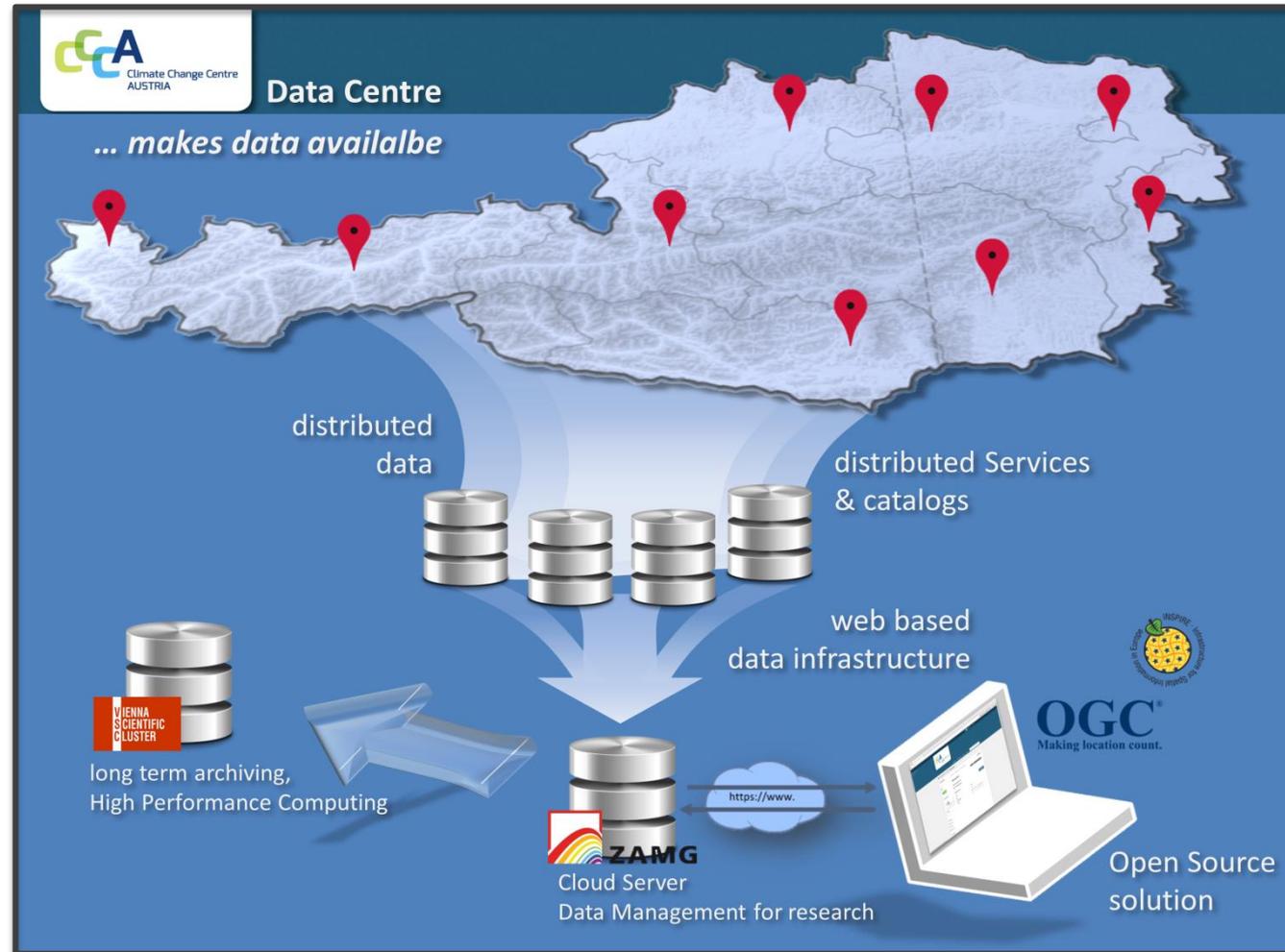


Actual: 15 days rolling archive
16 TB per day

Data policy:

- free and open
- easy access
- CC by Licence
- realtime providing
- open standards (json / xml)
- no costs

- > **provision** of climate-relevant information, data, algorithms, reports
- > **interoperable interfaces** to international portals, standards, legislation (e.g. INSPIRE)
- > conception for **long term archiving** of research data & repositories
- > capacity building, consultancy and **support** for **data sharing**



<http://enviroinfo2016.org/>



Berlin, September 2016

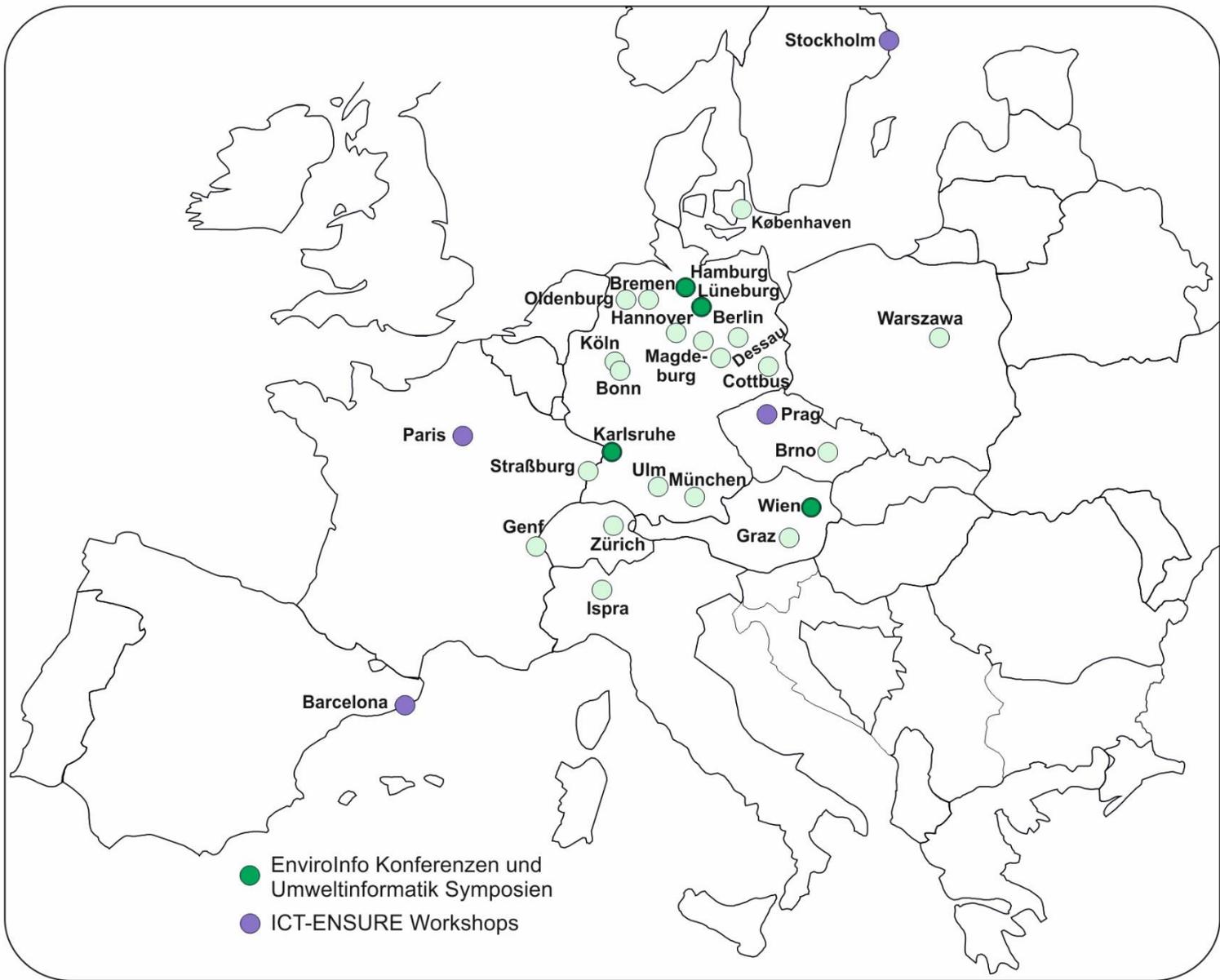


Political and Economic Power of Open Environmental Information

*Werner Pillmann
Rudolf Legat*

*International Society for Environmental Protection
Environment Agency Austria*





Technical Committee
Environmental Informatics
Balances 2000-2015

16 Conferences, 35+ Workshops
1.884 scientific/application oriented papers
~15.000 pages published
2.400 authors

Literature Information System → <http://www.iai.kit.edu/ei-lit/>

Use of public open data – example



PegelAlarm is a free „Civil Defence 4.0“ app that allows individual flood warning for people in Central Europe. It provides international real-time water level information.

Key data:

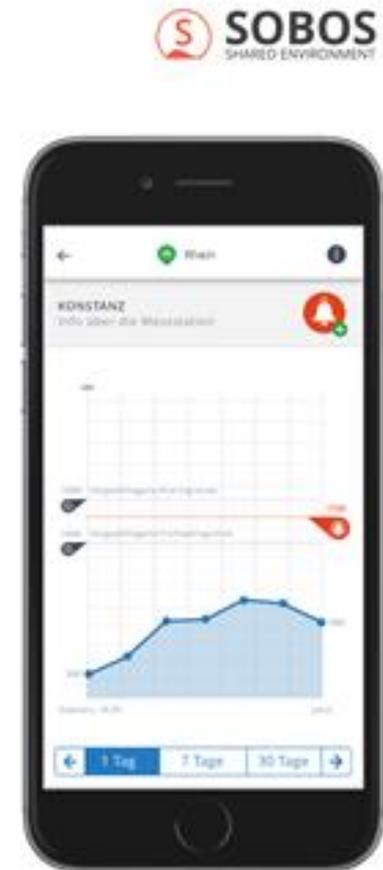
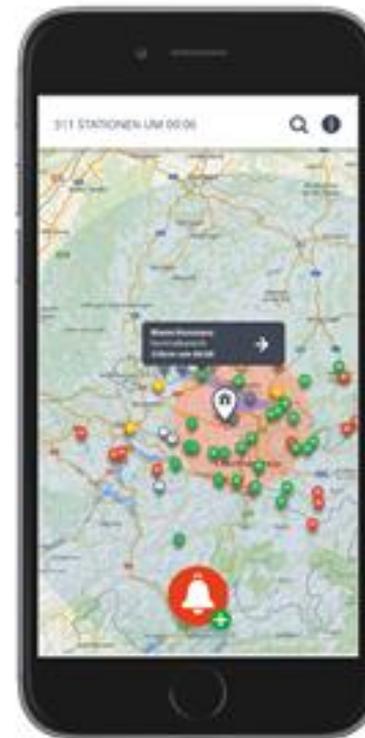
- 4.500 water information points
- 20.000 downloads
- 25.000 water points under surveillance

The app was built to help people monitor their environment and to enable people to set actions before a flood arrives.



<http://www.twitter.com/pegelalarm>

<http://www.pegelalarm.eu>



Use of public open data - example

PegelAlarm perpetually collects water levels from Central Europe and provides its data through a uniform interface (API). This allows the integration into any other system.

The system helps fire fighters to organise their flood operations, insurance companies to reduce costs, shipping, news agencies, fisher men and many more.



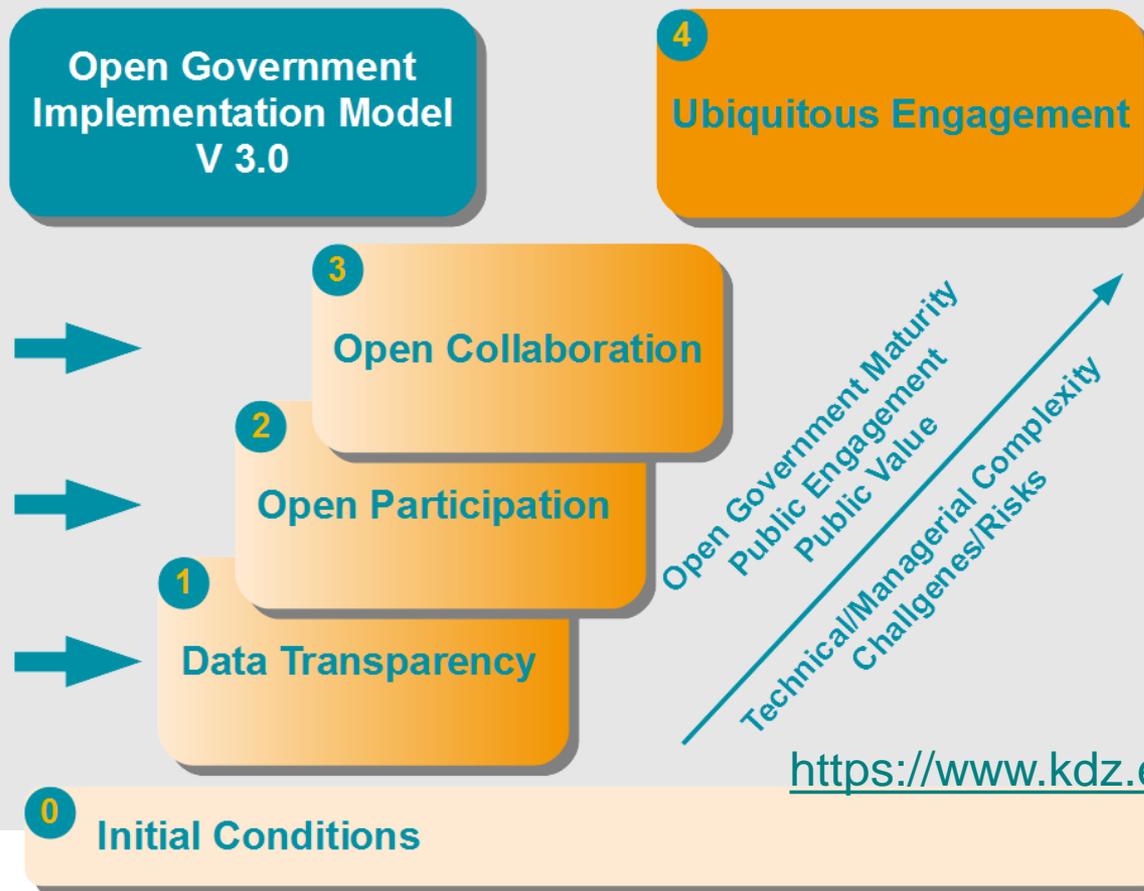
PegelAlarm



Next steps:

- Fund raising
- Integration of water levels from all over Europe
- Integration of rain information

UPDATE: Open Government Implementation Model 3.0



Digital Agenda Vienna – Digital City Wien

<https://digitaleagenda.wien> - <https://digitalcity.wien/>



172 ideas, 412 participants,
296 comments & 2451
votes speak for themselves.

[Mindmap of 172 ideas](#)

Digital Agenda Vienna *KONKRET*

Put the 'Digital Agenda' program into action

- 🇵🇹 Online Collection of further ideas
Focus: "Innovative APP-services for Vienna & its citizens"

ONLINE &

www.DigitaleAgenda.wien

105 ideas 867 registrations
320 comments 1.303 likes/dislikes

OFFLINE

„open space day“



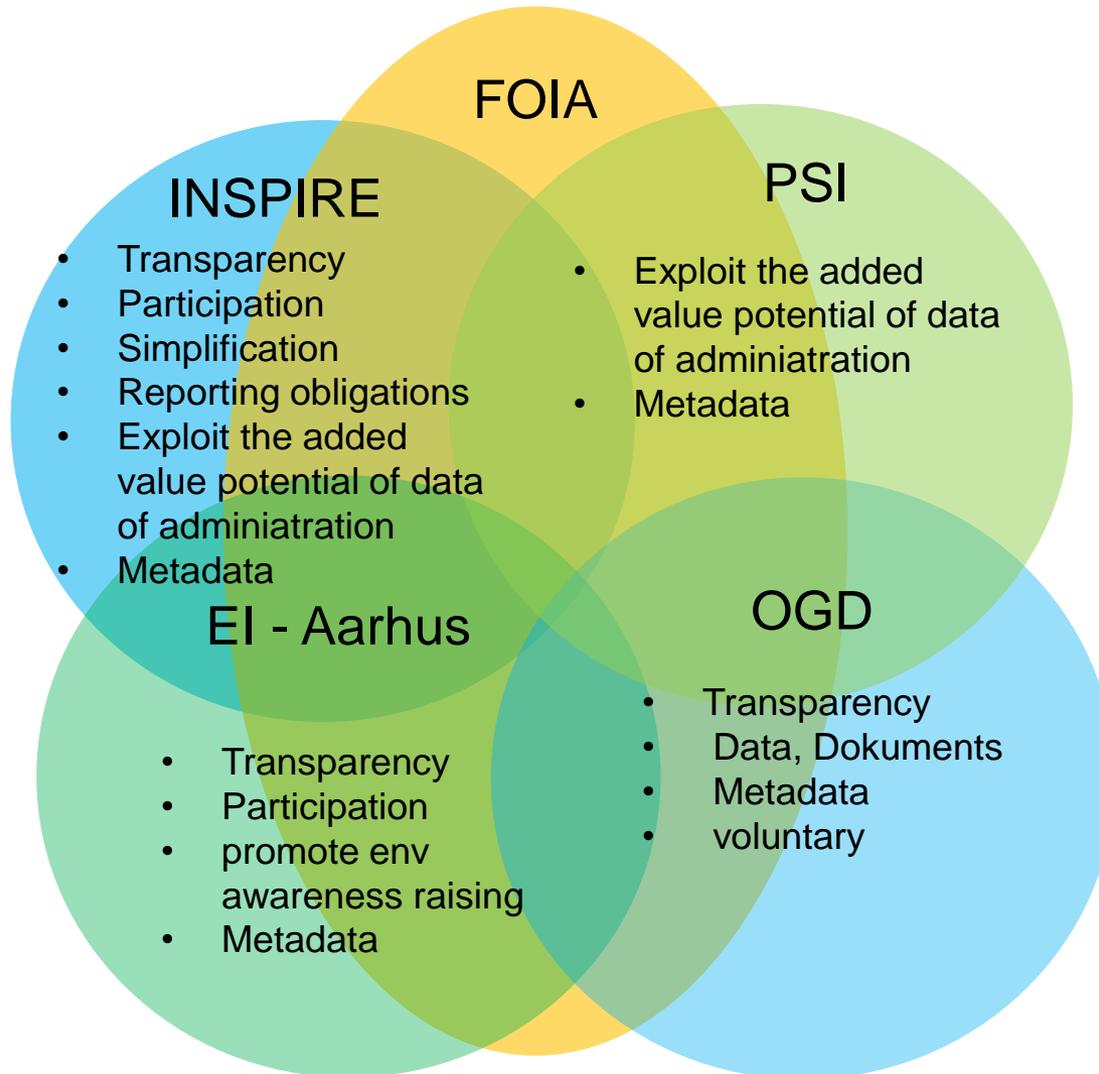
7 APP-Prototypes
(„mock-ups“)

The next step

- 🇵🇹 APP „**Vienna Calling**“ – beta testing
 - Report Issues. Improve. Vienna. Together.
 - Telling requests to the city. Total easy with few clicks.
 - Motto: “Together we create Vienna more mobile, more personally, more networked. And still more smarter.”
- 🇵🇹 In conception phase: „**My Vienna**“, „**My Neighbourhood**“



Interaction FOIA – PSI – OGD – EI – INSPIRE



Karin Dollinger PhD – Environmental Law

Doktorat Rechtswissenschaften

Europäisches und österreichisches Recht zur Geodateninfrastruktur, tangierte Rechtsgebiete (Public Sector Information, Umweltinformation, Datenschutz, etc.) und die gelebte Praxis bei österreichischen öffentlichen Stellen

Dissertation

aus Verwaltungsrecht

zur Erlangung des akademischen Grades einer
Doktorin der Rechtswissenschaften
an der

Paris Lodron Universität Salzburg

von

Mag. rer. nat. Mag. phil. Mag. iur. **Karin Dollinger**

Austria & Aarhus I



- [Umweltdatenkatalog](#) Metadata Information (1993)
- [eGovernment Task Force EI](#) – eGov PG UI (2006)
 - **Common approach** to deal with the requirements of [UIG 2004](#) in the framework of National eGov Strategy ([Plattform Digitales Österreich](#))
- [Cooperation Open Government Data Austria](#) (2011)
- [National Open Government Data Portal](#) (2012) [Environment](#)
 - [United Nations Public Service Award 2014](#) for data.gv.at
 - **Video:** [2014 UN Public Service Awards Category 1 Winner – Austria](#)
- [European Data Innovator Award 2014](#)
 - goes to **Johann Mittheisz**, former CIO of the City of Vienna & the Open Government Team of Vienna (Athens, 19 March 2014)
 - Ms VP EC Neelie Kroes awarding Johann Mittheisz - [Video of award ceremony](#)
- [Open Data Portal Austria](#) (2014) Research, NGO, Civil Society ...
- [Open Data Portal Umweltbundesamt](#) – [Naturschutz](#) – [OGD Kärnten](#)

Austria & Aarhus II



- [Training Center](#) for National GHG and Air Emission Inventory Capacity Building - [Environment Agency Austria](#)
- „[Ressourcennutzung in Österreich – Bericht 2015](#)“ - Eine gemeinsame Publikation des [BMLFUW](#) und des [BMWFW](#)
- Informationsportal zu [Klimawandelanpassung](#) in Österreich
- [Lärminfo.at](#) - Lärmschutz für Österreich - Umfassendes Informationsportal inkl. Lärmkarten
- **CH/DE/AT:** [Cooperation OGD Österreich](#) Gegenüberstellung der [Metadatenkonventionen](#) der Schweiz, von Deutschland und Österreich
- [4. OGD D-A-CH-LI - Konferenz - Open X](#) 24 June 2015 in Vienna
- [open4data.at challenge 2016](#) „Daten suchen Ideen, Ideen suchen Daten“ – BKA prämiert innovativste und kreativste Ansätze im Umgang mit opendata
- [Digital Roadmap Austria](#): Republic 2.0 – all services online
- Relaunch PG E-DEM <https://www.ref.gv.at/E-Democracy.981.0.html>

Conclusion

... **eGovernment:** It's a journey,
not a destination

... **eEnvironment:** It's a journey,
not a destination

... **Aarhus Convention:** It's a journey,
not a destination

Contact & Information

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- eGov, openGov & Digital Roadmap Information by Sonja Schneeweiss, Gregor Eibl & Peter Kustor, Austrian Federal Chancellery
- Austrian SoER by Inge Zechmann & Martina Haydn, Umweltbundesamt GmbH
- Digital Agenda Vienna by CIO Ulrike Huemer & Brigitte Lutz, City of Vienna
- Sentinel Information by Günther Tschabuschnig, ZAMG
- CCCA – Data Centre by Chris Schubert, ZAMG
- EnviroInfo conferences by Werner Pillmann, ISEP
- Pegelalarm by Johannes Strassmayr, SOBOS
- OG Implementation Model 3.0 by Bernhard Krabina
- Environmental Law by Karin Dollinger, Salzburg