Die Bouchout-Erklärung für offene Biodiversitätsdaten

DINI/nestor Workshop 2.10.2014

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Museum für Naturkunde, Berlin

Leibniz-Gemeinschaft

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Datenbanken…
in Silos gelagertes Eigentum?

These:
Missverständnis von
Denken und Wissen!

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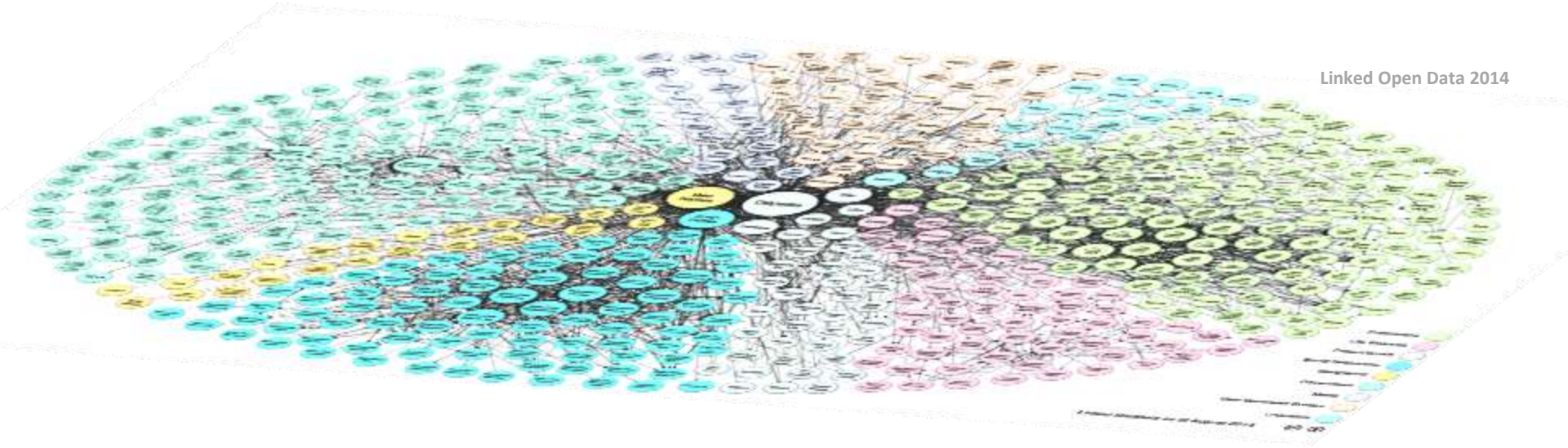
Antithesen

- Das Web selbst ist das künftige verteilte Wissensorganisationssystem
- Links wichtiger als Fakten
- Links ins Verbotene sind unbefriedigend
- Kuration kolloborativ, aber nicht dirigistisch
- Analog Wissenschaftssystem / Publikationen



Bouchout Declaration

for Open Biodiversity Knowledge Management

An outcome from a coordination action from the EU-funded

project (2012-14)

Leibniz-Gemeinschaft

PLAZI
taking care of freedom

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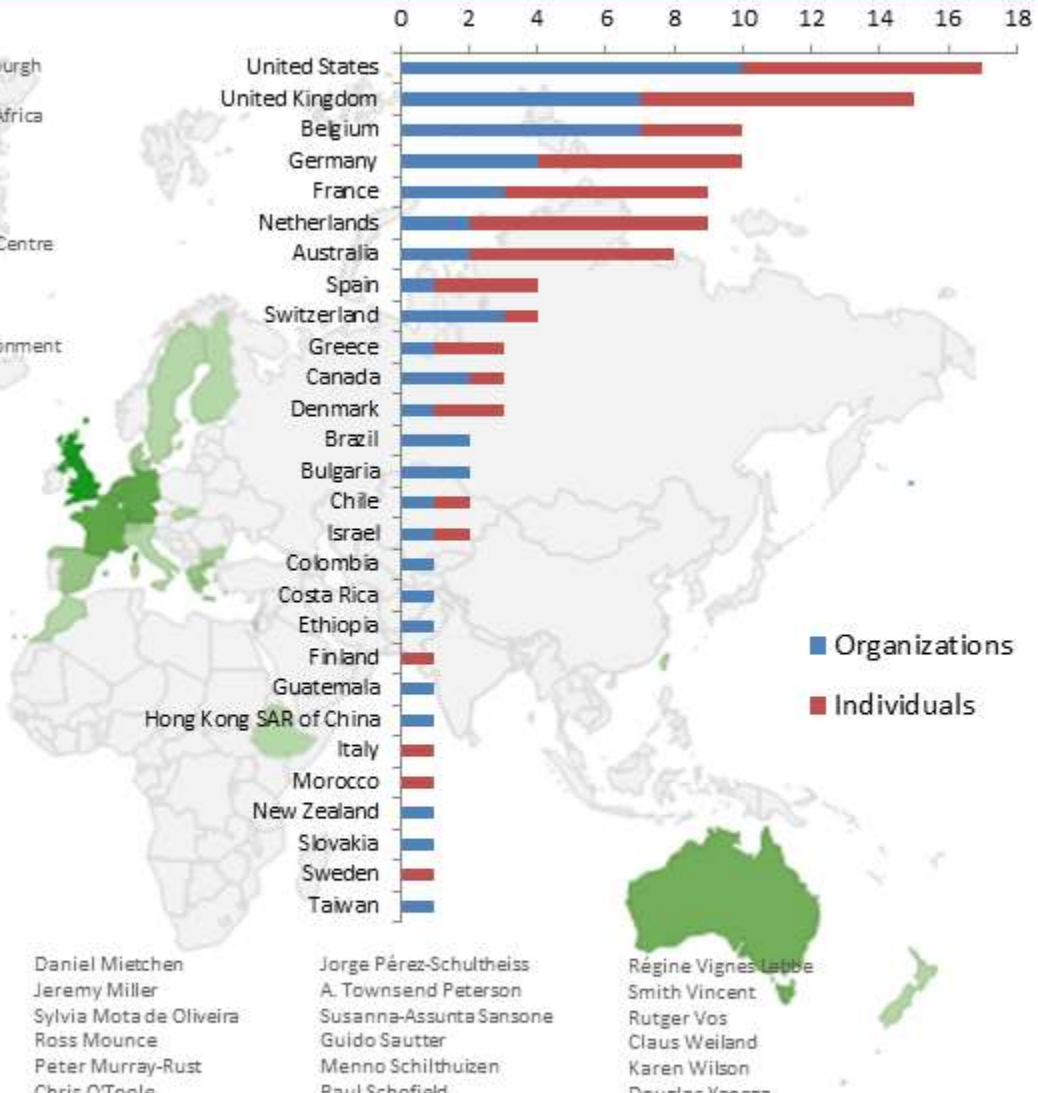
Launched: June 12, 2014

BOUCHOUT DECLARATION

Bouchout Declaration: Original Signatories

57 Organizations, 58 Individuals, 28 Countries

Agro-Know
AntWeb
Belgian Biodiversity Platform
Belgian Science Policy Office
BELSPO (Federal Public Planning Service Science Policy)
Biodiversity Heritage Library
BioVeL
Botanischer Garten und Botanisches Museum Berlin-Dahlem
C.A. Triepelhorn Insect Collection, Ohio State University
California Academy of Sciences
Canadensys
Catálogo de [illegible] Colombia
Centro de [illegible] Conservación
Centro de [illegible] Biodiversidad
Centro de [illegible] Informação Ambiental CRIA
Deutsches [illegible] für Integrative Biodiversitätsforschung (iDiv)
Encyclopedia of Life
Flanders Marine Institute
GigaScience
Global Biodiversity Information Facility
Global Names
HaMAARAG
Harvard Museum of Comparative Zoology
Harvard Open Access Project
INBio
Institute of Botany
Instituto Nacional de Ciência e Tecnologia Herbário Virtual da Flora e Fungos - INCT-HVFF
Instituut voor Natuur- en Bosonderzoek
International Commission for Plant Pollinator Relations
International Council of Museums Committee for Museums and Collections of Natural History
International Union of Biological Sciences
KU Biodiversity Institute
Museum für Naturkunde
Museum National d'Histoire Naturelle
Museum of Natural Sciences University of Navarra
National Museum of Natural History (Bulgaria)
Naturalis Biodiversity Center
Naturhistorisches Museum Basel
Naturhistorisches Museum der Burgergemeinde Bern
Open Knowledge
Open Science Federation
Pensoft Publishers
Plantentuin Meise
Plazi
Queensland Museum
Royal Botanic Garden Edinburgh
Royal Botanic Gardens Kew
Royal Museum for Central Africa
ScienceOpen
Scratchpads
SIGMAORIONIS
Species 2000
Sussex Biodiversity Record Centre
TaiBIF
Vertnet
VIBRANT
Young Volunteers for Environment
Ethiopia
Wouter Addink
Anne-Sophie Archambeau
Palma Blonda
Thierry Bourgoin
B. Ricardo Brown
Alex Chapman
Arvanitidis Christos
Noël Conruyt
Jim Croft
Christian Damgaard
Dan Eisikowitch
José Fernández-Triana
Christina Flann
Roman Gerlach
Georgios V. Gkoutos
Anais Grand
Penelope Greenslade
Quentin Groom
Robert Guralnick
Jean-Paul Haenni
André Heughebaert
Robert Hoehndorf
John N.A. Hooper
Jaakko Hyvönen
Birgitta König-Ries
Steven Krauwer
Leonard Krishtalka
Sven O Kullander
Gwynne Lim
Bernat Claramunt Lopez
Arnald Marcer
Patricia Mergen
Daniel Mietchen
Jeremy Miller
Sylvia Mota de Oliveira
Ross Mounce
Peter Murray-Rust
Chris O'Toole
Ahmed Ouhammou
Michael Owonibi
David Patterson
Lourdes Pérez González
Jorge Pérez-Schultheiss
A. Townsend Peterson
Susanna-Assunta Sansone
Guido Sautter
Menno Schilthuizen
Paul Schofield
Alexey Solodovnikov
Elizabeth Rosemary Tineo
Camille Torrenti
Vasilis Valavanis
Régine Vignes-Lebbe
Smith Vincent
Rutger Vos
Claus Weiland
Karen Wilson
Douglas Yanega



12 June 2014

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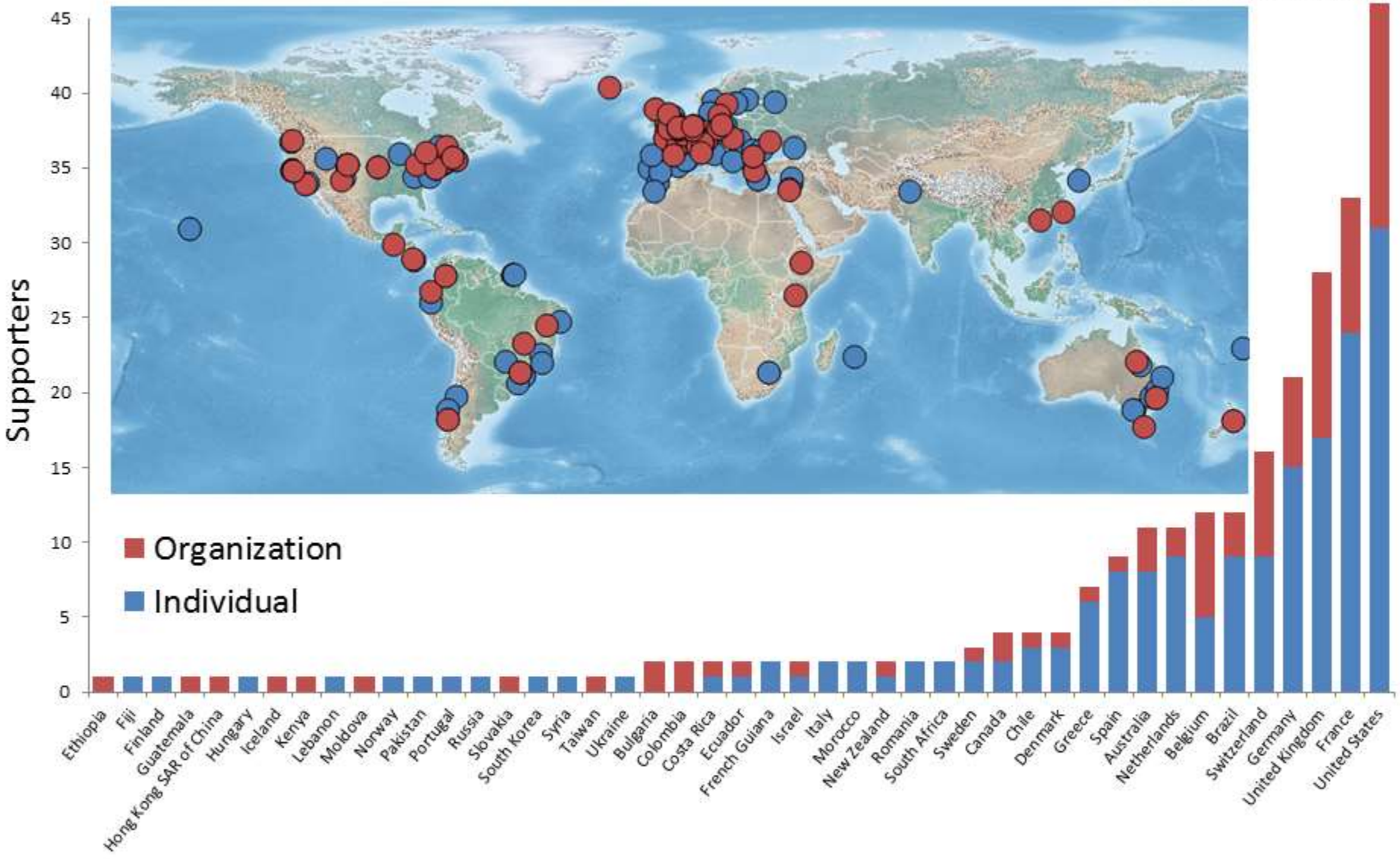
PRO iBIOSPHERE
WWW.PRO-IBIOSPHERE.EU

BOUCHOUT DECLARATION

The Bouchout Declaration Gains Momentum

More than 260 supporters in 45 Countries

16 September 2014



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The Bouchout Declaration for Open Biodiversity Knowledge Management

The purpose of the Bouchout Declaration is to help make digital data about our biodiversity openly available. It offers members of the biodiversity community a way to demonstrate their commitment to open science.

Declaration

As signatories, we encourage an overarching approach to Open Biodiversity Knowledge Management which is based on the following fundamental principles: (...)

read more

News

The latest news and announcements covering the Declaration (...)

read more

Sign

Your signature is your commitment to an Open Biodiversity Knowledge Management system that will provide direct access to research data.

sign now

Tweets Follow

bouchout declaration 12h
@bouchoutdec
La prochaine présentation de la Déclaration aura lieu Vendredi, Juillet 11, à OpenDataWeek Montpellier
2014.rmll.info/conference364
@elnfraEU
Expand

bouchout declaration 8 Jul
@bouchoutdec
The Bouchout Declaration: A contribution from the biodiversity community to Open Digital Science
#openaccess @oatp
ec.europa.eu/digital-agenda...
Show Summary

bouchout declaration 7 Jul
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The impact of the Bouchout Declaration: Main points made by an expert panel #openaccess
@oatp @VertNetOrg @elnfraEU
bouchoutdeclaration.org/news/r
Expand

bouchout declaration 30 Jun

Tweet to @bouchoutdec

PUBLIC DOMAIN

To the extent possible under law, Bouchout Declaration has waived all copyright and related or neighboring rights to Website.

This project is funded under the European Union's Seventh Framework Programme (FP7/2007-2013) under grant agreement

Goal: Open Biodiversity Knowledge Management

"As signatories, we encourage an overarching approach to Open Biodiversity Knowledge Management which is based on the following fundamental principles:"

*The **free and open use** of digital resources about biodiversity and associated access services*

Licenses *or waivers that grant or allow all users a free, irrevocable, world-wide, right to copy, use, distribute, transmit and display the work publicly as well as to build on the work and to make derivative works, subject to proper attribution consistent with community practices, while recognizing that providers may develop commercial products with more restrictive licensing.*

Policy *developments that will foster free and open access to biodiversity data*

Attribution: *Tracking the use of identifiers in links and citations to ensure that sources and suppliers of data are assigned credit for their contributions*

*An agreed **infrastructure**, standards and protocols to improve access to and use of open data*

Registers *for content and services to allow discovery, access and use of open data*

Dialogue *to refine the concept, priorities and technical requirements of Open Biodiversity Knowledge Management*

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*A **sustainable** Open Biodiversity Knowledge Management that is attentive to scientific, sociological, legal, and financial aspects*

Persistent identifiers *for data objects and physical objects such as specimens, images and taxonomic treatments with standard mechanisms to take users directly to content and data*

Best practices for stable URIs

Home
Deliverables
Milestones
Pilots
Meetings
Hackathon
Final event
Partners
Recent changes
News
Help

Toolbox
What links here
Related changes
Upload file
Special pages
Printable version
Permanent link
Cite this page

Contents [hide | ◄ ►]

1 Introduction
2 Recommended patterns for stable URIs
3 Examples of words or strings to use in the parts of the URI pattern above
4 YOUR Preferred pattern for specimen or scientific names

Introduction

1. It is important to keep the mission-critical URIs (or URLs, or IRIs, or web-adresses) stable. Make a keep all your URIs stable forever: this may become unmanageable.

2. The primary purpose of this discussion is to support others in finding good URI patterns. The secon **to ease recognition and set a recognizable example for others to follow?**

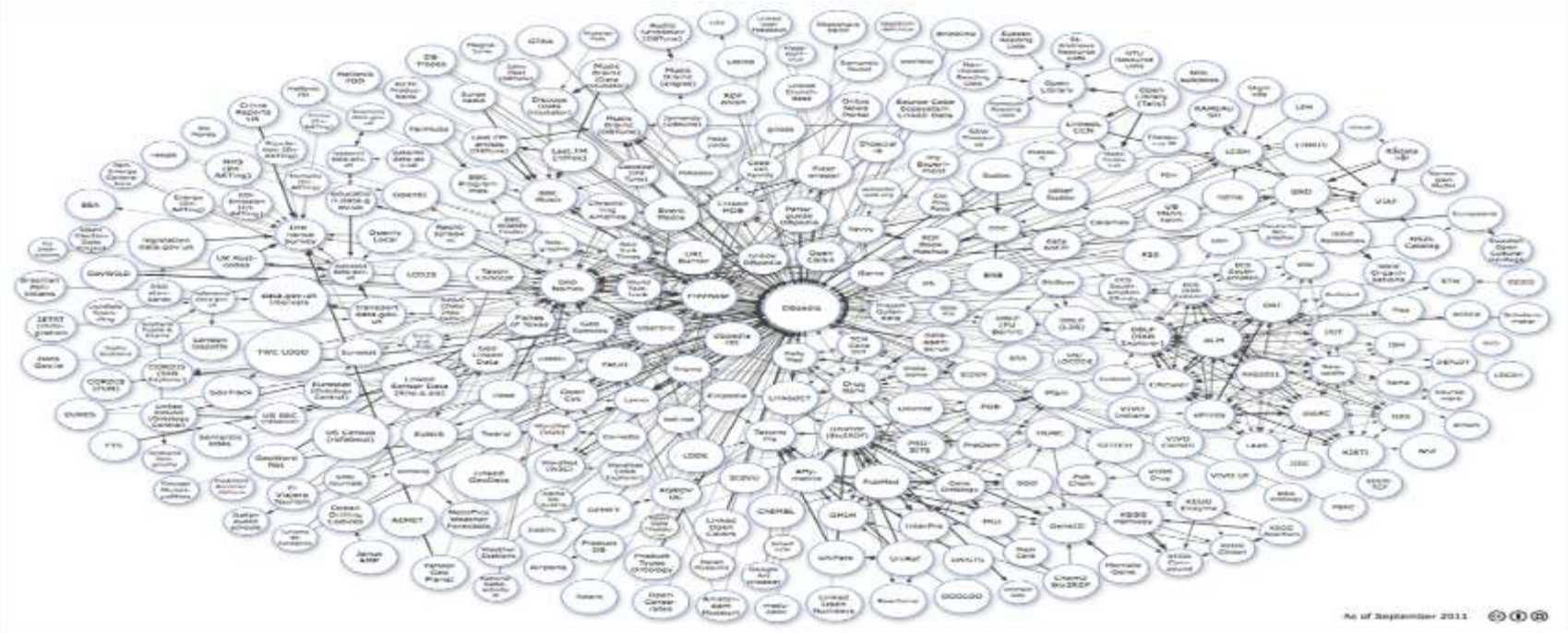
3. Linked Open Data and the Semantic Web in particular use http-URIs to identify resources as well a do not follow these best practices. However, it works best if URIs are kept stable. This can be difficult to keep your URIs stable.

4. While the present discussion may be useful when looking for stable URIs patterns for other purpos to the Semantic Web.

5. **Keep the URI very simple right from the start.** In the face of changing technology, at some point easier this becomes. Thus the first recommendation is: Create a simple URI and use rewriting right fr &) that are being rewritten to your current technology.

6. If several different URIs exist within a particular dereferencing service (e.g. two http-URIs) that poir

Linking data using agreed vocabularies, both within and beyond biodiversity, that enable participation in the ***Linked Open Data Cloud***



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When do you sign?

bouchout@plazi.org

bouchoutdeclaration.org

Leibniz-Gemeinschaft

PLAZI taking care of freedom

BD

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Umsetzung am Museum für Naturkunde

Museum für Naturkunde

Daten, Leistungsschutz, Werke:

Grundlagen für Arbeiten sind häufig Bilder, Audio, Video

Keine klare Trennung!

Automated weighbridge for Adélie penguins - journal.pone.0085291.g002 CC BY 4.0
Lescroël, A. L.; Ballard, G.; Grémillet, D.; Authier, M.; Ainley, D. G. (2014) - Lescroël, A. L.; Ballard, G.; Grémillet, D.; Authier, M.; Ainley, D. G. (2014).
...

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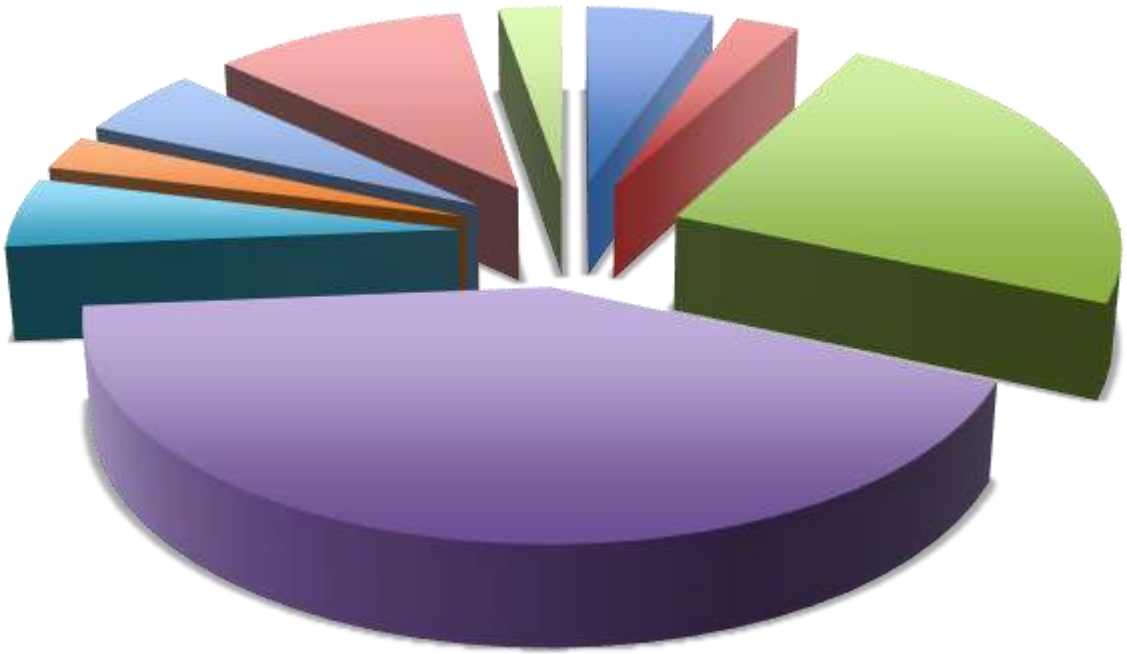
Citizen Science



- Engineering
- Astrophysics and Astronomy
- Earth Sciences
- Ecology and Evolutionary Biology
- Forestry and Forest Sciences
- Microbiology
- Oceanography and Atmospheric Sciences and Meteorology
- Public Health
- Social and Behavioral Sciences

Aktuelle Probleme bei der Erarbeitung von Richtlinien

- Datenschutz
  - Sammlungspublikationen? – Sammlernamen
- Verwertungsanspruch Institution
  - Abwägung Monetär vs. Bildungsauftrag
- Verwertungsanspruch der Wissenschaftler
  - Schließt Wissenschaftsfreiheit die Freiheit ein, Wissen der Allgemeinheit vorzuenthalten?
- Urheber- und Leistungsschutzrecht
  - Arbeitsrecht (vor allem rückwirkend problematisch)
- Urheberpersönlichkeitsrecht
  - Konflikt mit Datenschutz
  - Workflow
  - Datenbanken/Office/Adobe-Welt nicht ausgelegt, triviale Bearbeitungen als abgeleitetes Werk zu registrieren