



# RDA Global Adoption week

15 - 19 June 2020





## Objective

- Originally planned for Plenary 15, the RDA Adoption week aims to **demonstrate the wide variety of RDA adoptable and adopted solutions to data sharing challenges** that people in the field encounter in their daily jobs.

### Purpose of the week:

- Learn about RDA Outputs
- Converse with speakers from all around the world who have created and implemented them
- Determine how best to integrate those data sharing solutions into your own projects





Wednesday 17<sup>th</sup> June

14:00 UTC

## Identity, Store & Preserve

Collections and streams of digital objects are growing at an incredibly rapid pace. We need to understand on what these objects are, how we need to be documenting and storing them, and how they should all link and talk to one another before we get overtaken by a forest of data.

- **Scalable Dynamic Data Citation Methodology**: the CCCA Subset & Dynamic Data Citation Service - Chris Schubert (CCCA)
- **Social Sciences and Humanities Open Cloud (SSHOC) adoption story of CoreTrustSeal across European SSH repositories** - Hervé L'Hours (UK Data Archive - CESSDA)
- **39 Hints to Facilitate the Use of Semantics for Data on Agriculture the Nutrition: the Food and Agriculture Organization (FAO) adoption story** - Caterina Caracciolo (FAO)

*Recommendations & Outputs Catalogue short-link: <https://bit.ly/378QOBq>*



## Identity, Store & Preserve

Collections and streams of digital objects are growing at an incredibly rapid pace. We need to understand on what these objects are, how we need to be documenting and storing them, and how they should all link and talk to one another before we get overtaken by a forest of data.

data.ccca

SCALABLE DYNAMIC DATA CITATION METHODOLOGY

... a short view on RDA adoption

Chris Schubert

Head of CCCA - Data Centre

data.ccca.ac.at

1190 Vienna, Austria

chris.schubert[at]ccca.ac.at

RESOURCE Manage Create Subset Go to resource

## Daily Maximum Near-Surface Air Temperature

DATASET: OKS15 Bias Corrected EURO-CORDEX Model Temperature: tx\_MPI-M-MPI-ESM-LR\_RCP8.5\_r11p1\_SMHI-RCA4

URL: <https://data.ccca.ac.at/dataset/a0c0101d-a661-4847-855c-8fe4e0408dee/resource/a27a00ff-bf43-4476-84a1-1eb1f42d53b1/download/txsdmmpi-m-mpi-esm-lr-rcp85r11p1smhi-rc4a1.nc>

### Daily Maximum Near-Surface Air Temperature

Bias corrected (scaled distribution mapping) data of the EURO-CORDEX model MPI-M-MPI-ESM-LR\_rcp85\_r11p1\_SMHI-RCA4 using observational data from Spartacus (ZAMG).

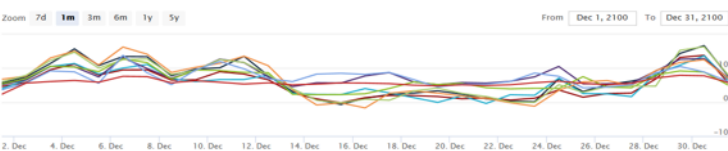
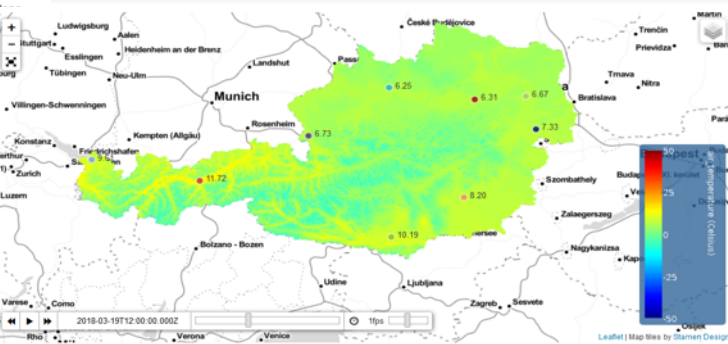
Historical and future projection under the RCP8.5 scenario.

Reference period: 1961-2005

### Variable

Daily Maximum Near-Surface Air Temperature

View Citation



- air\_temperature at Eisenstadt
- air\_temperature at Sankt Pölten
- air\_temperature at Linz
- air\_temperature at Salzburg
- air\_temperature at Klagenfurt
- air\_temperature at Graz
- air\_temperature at Vienna
- air\_temperature at Bregenz
- air\_temperature at Innsbruck

1.1k Datasets 33 Organizations 30 Groups

Groups About API Based on  
Organizations Contact Sourcecode ckan  
Data

# CONNECT

CCCA Data Centre, an Austrian research data infrastructure, promotes interoperability and collaboration between different science and research communities

re3data.org  
REGISTRY OF RESEARCH DATA REPOSITORIES



<http://doi.org/10.17616/R3KS9D>

CCCA Data Centre

Forschungsinfrastruktur

# SERVICES

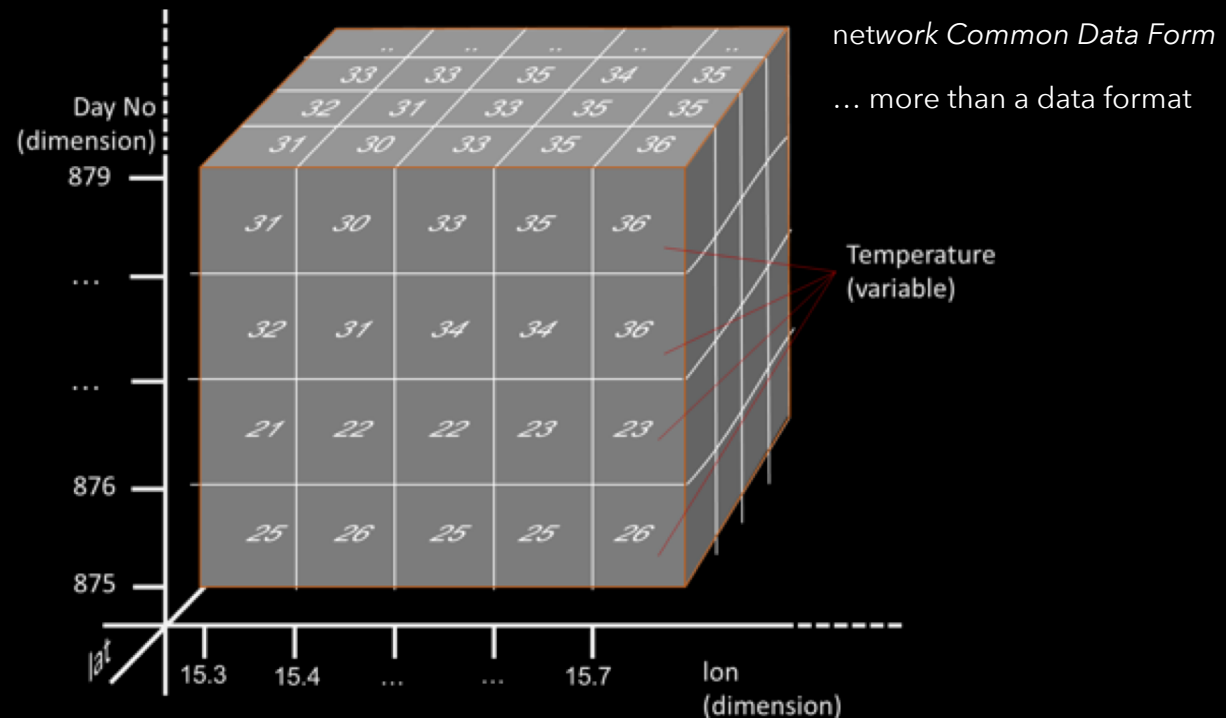
Publish and cite resources & data

Centralized access to relevant meta-information

Storage, Server, VM & HPC facilities

On the fly preview of NetCDF files

Create subsets of large NetCDF files





# RESPONSIBLE FOR A BETTER

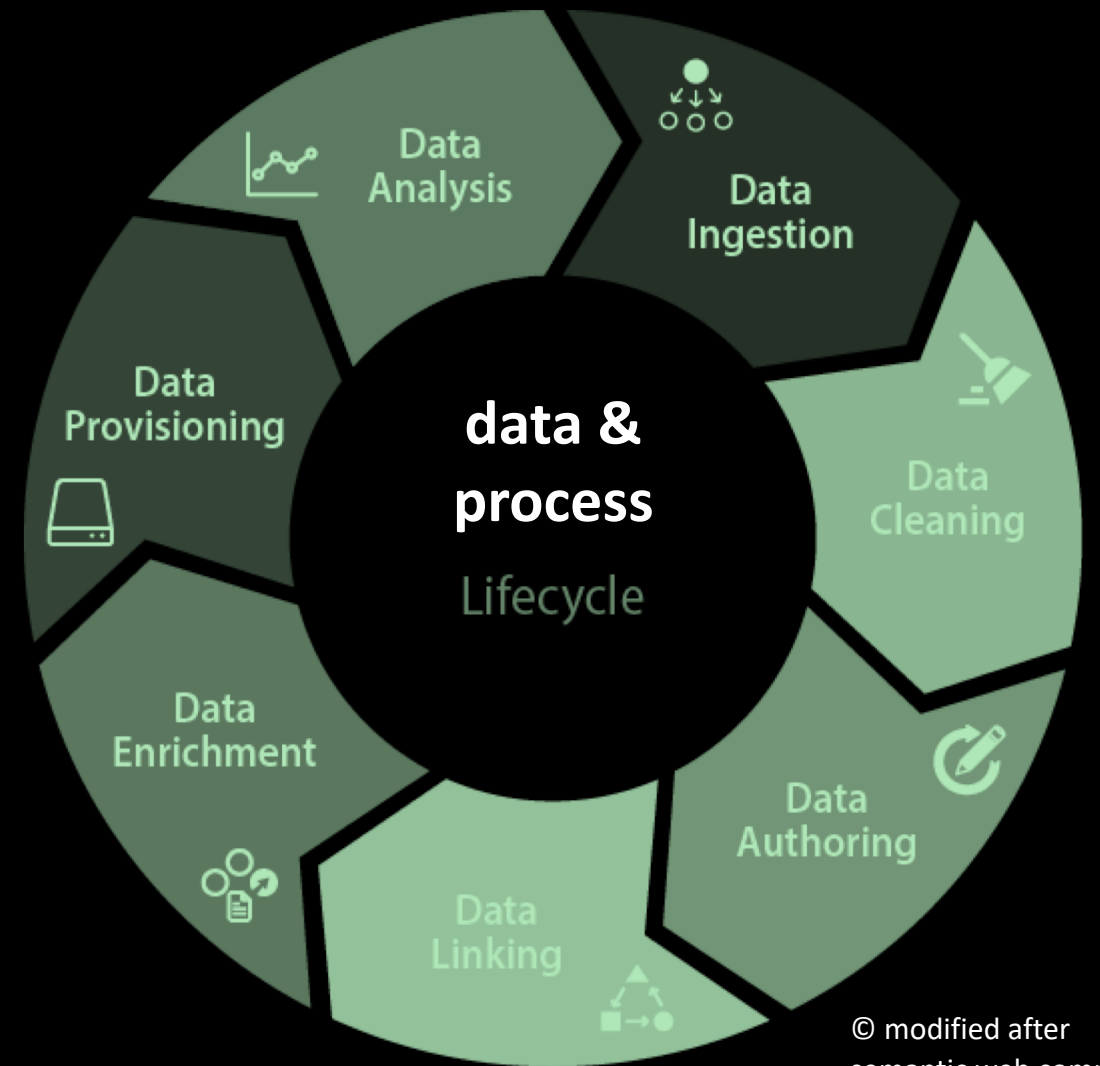
Data Access & Reuse

Data Preservation

Data Processing and analysis

Domain tailored Data Management

Data Life Cycle, Data Provenance



# DCAT application profile for data portals in Europe

**Dataset Metadata** Export Metadata -

Contact Basics Keywords Spatial Time Specifics Quality Conformity

*Owner and Contact Information regarding this dataset*

Organization	Wegener Center
Metadata Point of Contact (Maintainer):	Heimo Truhetz heimo.truhetz@uni-graz.at
Dataset Creator (Author):	Armin Leuprecht armin.leuprecht@uni-graz.at
Citation Info	Leuprecht et al

**Dataset Metadata**

Contact Basics **Keywords** Spatial Time Specifics Quality Conformity

**Keywords**

Controlled Keywords bias correction, scaled distribution mapping

Used Thesauri


**Dataset Metadata** Export Metadata -

Contact Basics Keywords **Spatial** Time Specifics Quality Conformity

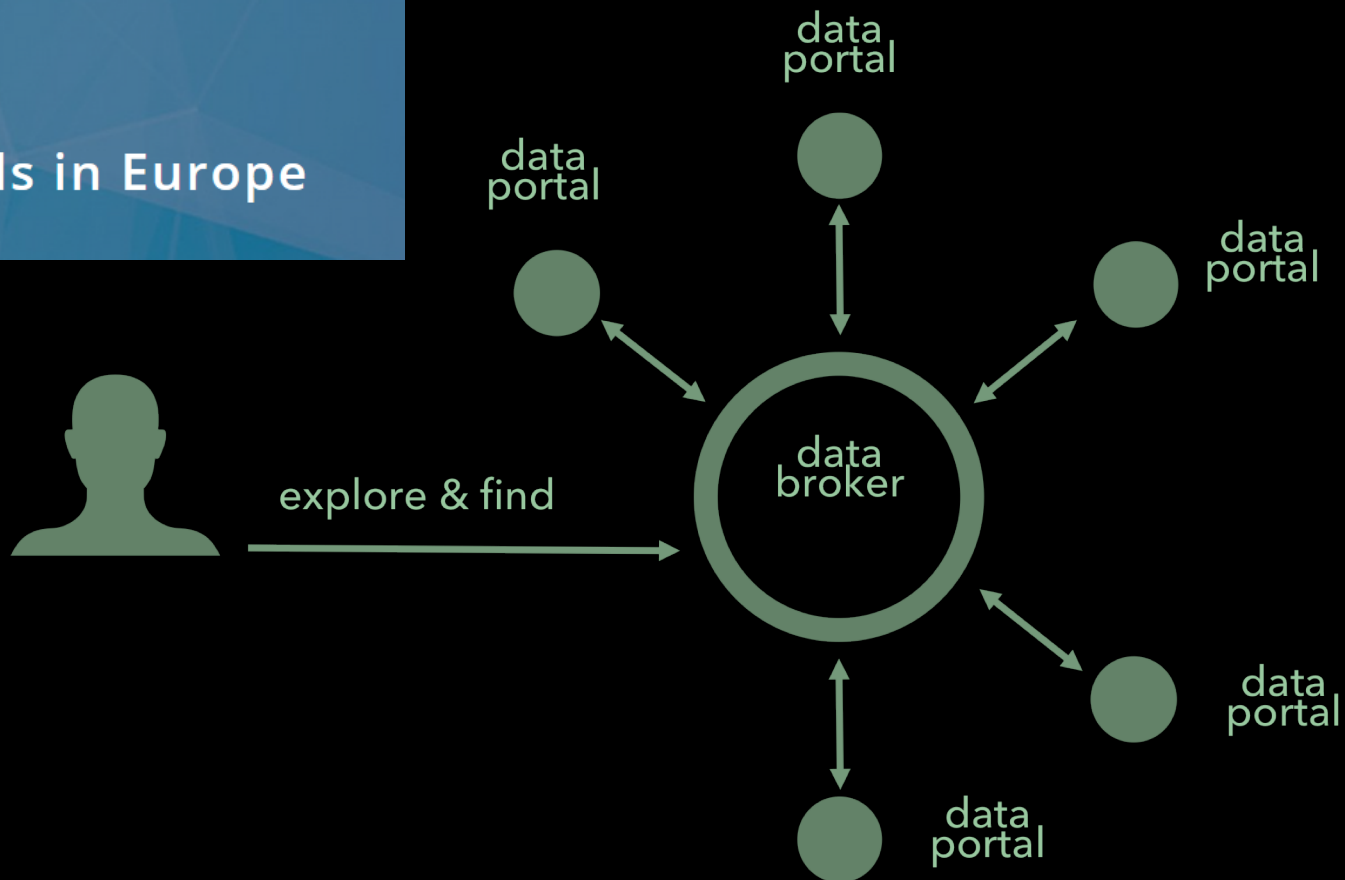
*Geographic Aspects of the Resources*

Polygon

**Dataset extent**



Coverage Austria

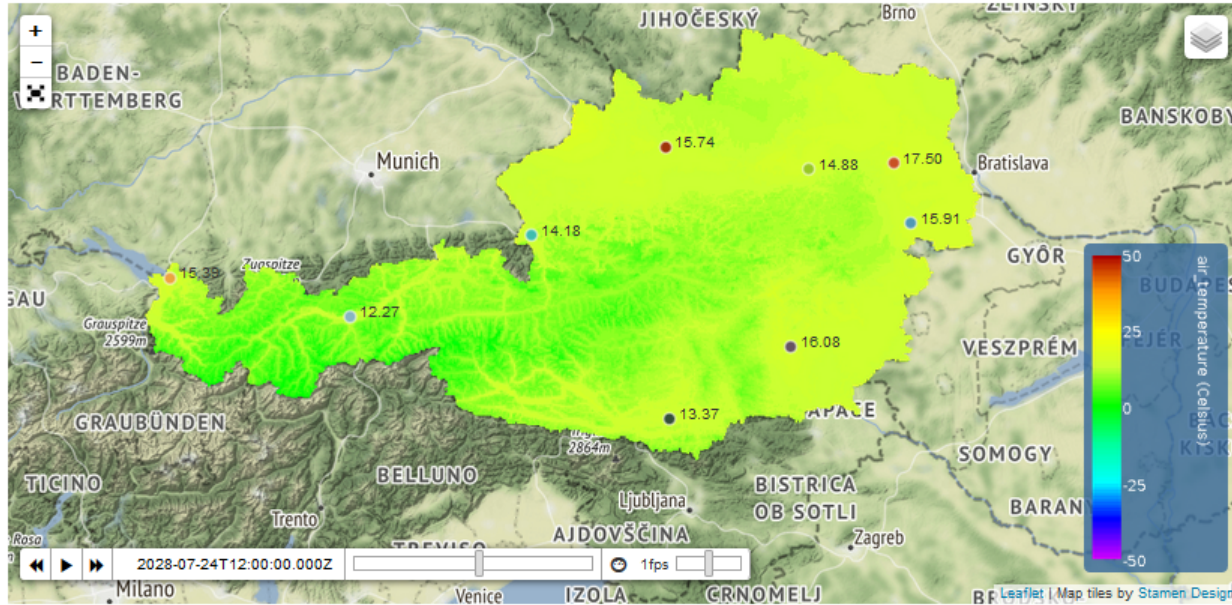


METADATA

GEO DCAT - AP



Double Click on map to add further time lines; right click on marked position to remove time line

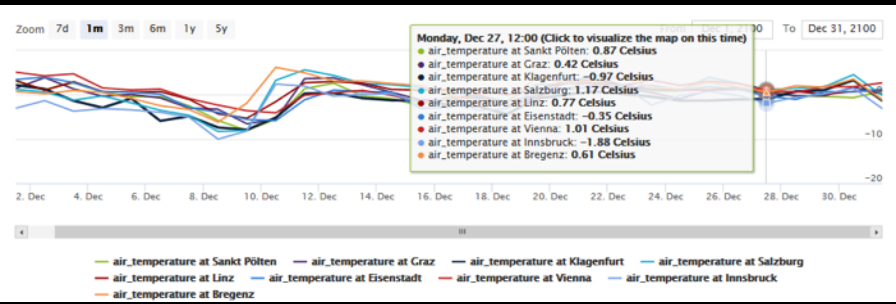


Statistically downscaled Daily Minimum Near-Surface Air Temperature for Austria until 2100 under the RCP4.5 scenario

visual context  
easier exposed and  
recognized information

# VISUALISATION

# SHOW your data



Map Preferences

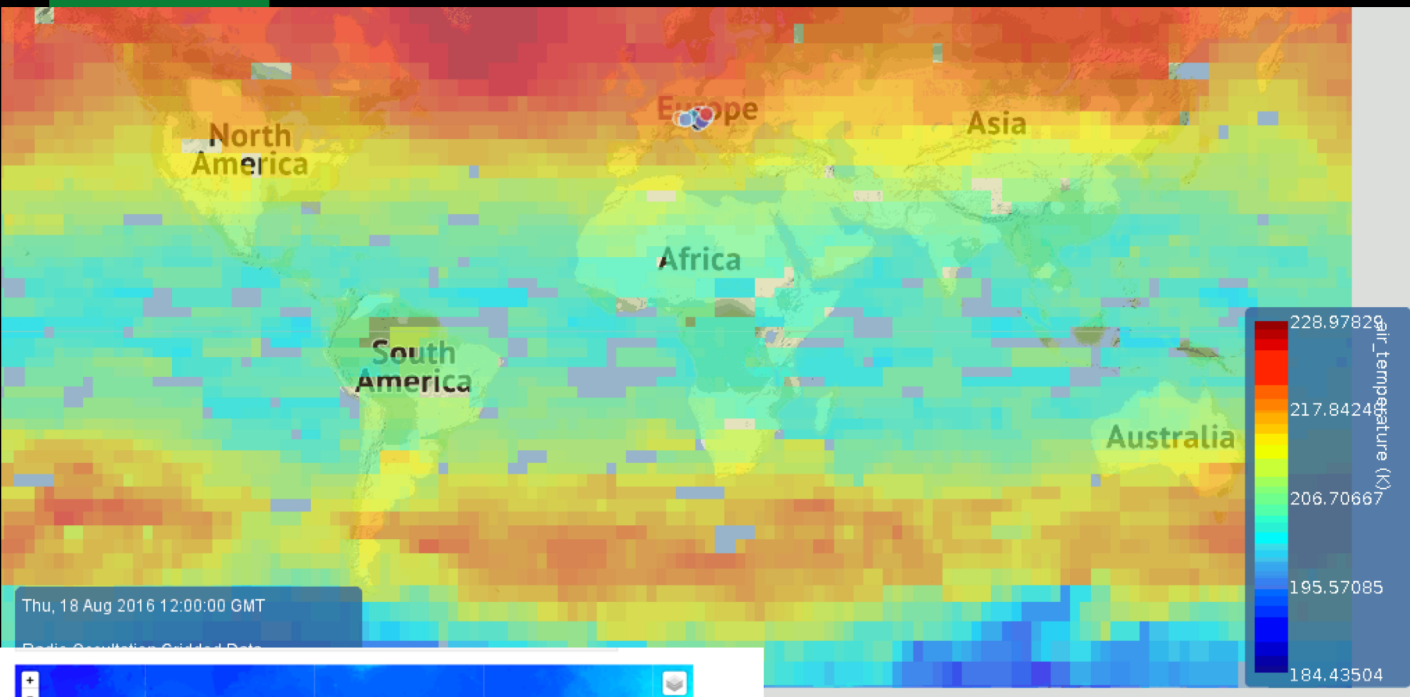
- Style
- Data
- Opacity
- Export

Color Palette: aig

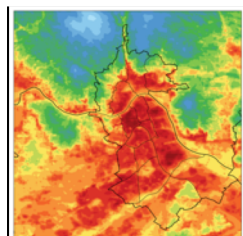
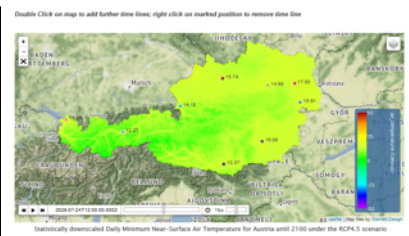
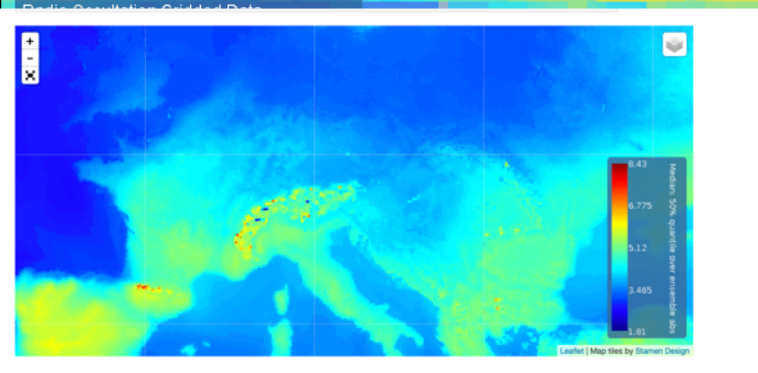
Plot Style: aig

Minimum Value: climaps\_purple

Maximum Value: climaps\_red-yellow



providing  
different spatial extent



STANDARDISED DATA FORMAT

**SHOW** your data



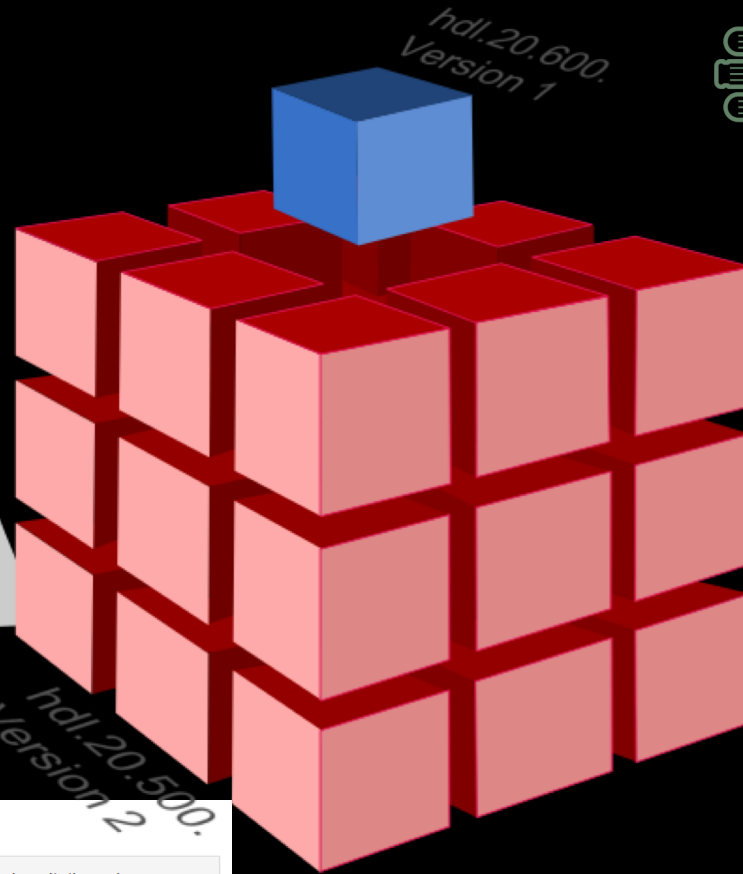


data.cca

RESEARCH DATA ALLIANCE



hdl.20.500.  
Version 1



hdl.20.500.  
Version 2

hdl.20.600.  
Version 1



Citation	Visualisation
Relation	Information

**Cite this dataset:**

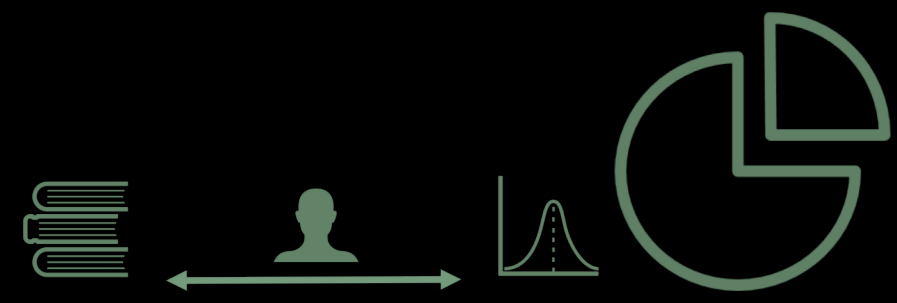
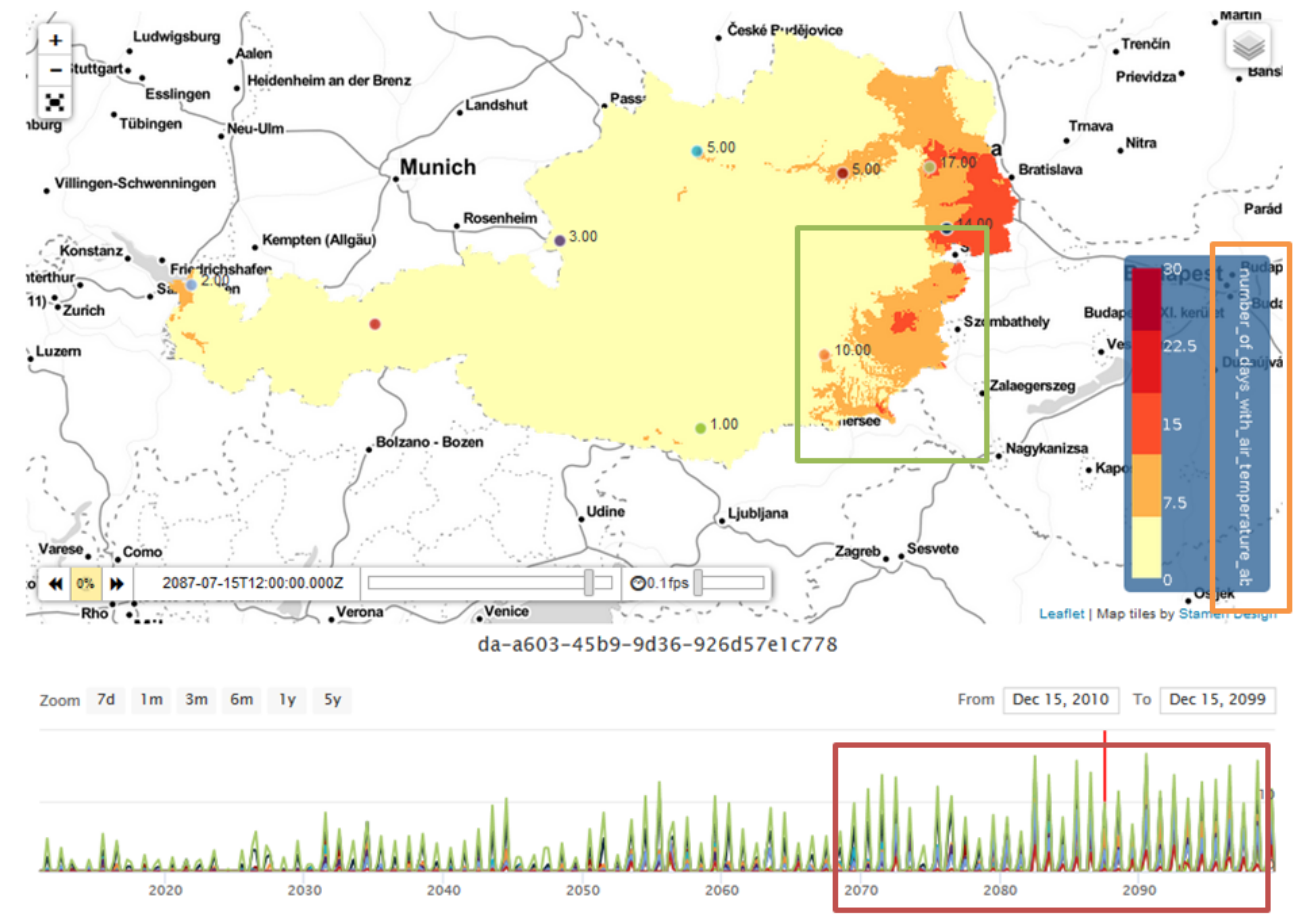
Using this data set or resource, you should cite this data set according to the given copyright conditions with following citation rules:

Leuprecht et al (2016). ÖKS15 Bias Corrected EURO-CORDEX Model Precipitaion: pr\_CNRM-CERFACS-CNRM-CM5\_RCP4.5\_r1i1p1\_CLMcom-CCLM4-8-17, Version 1. Vienna, Austria. CCA Data Centre. PID: <https://hdl.handle.net/20.500.11756/9df12611>. [April 20, 2018]

[Copy Text](#)

# SUBSETTING + dynamic data citation

## Cite your Data



(research) data is dynamic  
 identify precisely the data at a  
 specific point in time  
 identify precisely the subset of  
 (dynamic) in a process

- Choose a:
- PARAMETER
  - AREA OF INTEREST
  - TIME RANGE
  - @KEEP VERSIONING
  - @KEEP TIMESTAMPS
  - @KEEP & ADAPT METADATA

SUBSETTING + dynamic data citation

Cite your Data



data.CCA

Home > Organizations > CC

RESOURCE

subset\_NetCDF

DATASET: tropical\_night\_sbg

This resource is a subset

View

Map Parameter

Double Click within rectangle:

Dataset Versions: This Version

Version 1 Release Date: 2018-06-24 15:04:15.530698

Latest Version

Version 1 Release Date: 2018-06-24 15:04:15.530698

Cite this dataset:

Using this data set or resource, you should cite this data set according to the given copyright conditions with following citation rules:

Becsi, B. and Laimighofer, J. (2018). tropical\_night\_sbg\_show, Version 1. Vienna, Austria. CCCA Data Centre. PID: https://hdl.handle.net/20.500.11756/f3bbd81e. [June 24, 2018]

Copy Text

Subset

This dataset is a subset of "ClimaMap Ensemble median (rcp4.5): Tropicalnights" Show relations

Original Version	Release Date	Subset Version
Version 1	2018-05-15 15:38:52.391549	tropical_night_sbg_show (Version 1)

(research) data is dynamic

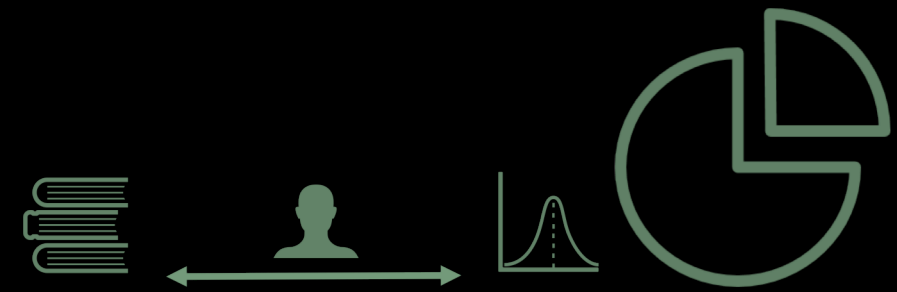
Re-published

avoid redundant storage consumption

keep all relations between updates, original sources & subsets

SUBSETTING + dynamic data citation

Cite your Data



Lecture Notes  
in Geoinformation and Cartography

LNG&C

Jürgen Döllner  
Markus Jobst  
Peter Schmitz *Editors*

# Service-Oriented Mapping

Changing Paradigm in Map Production and Geoinformation Management

Springer

© 2019

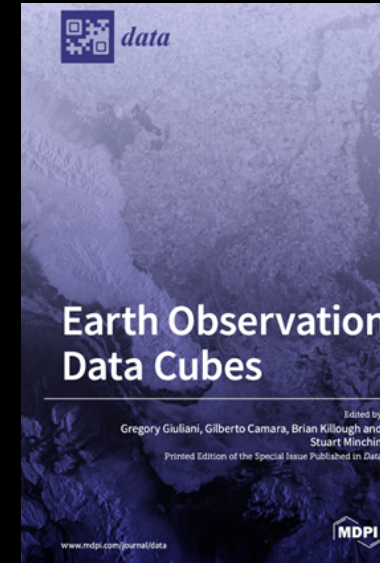
Service Oriented Mapping  
Changing Paradigm in Map Production  
and Geoinformation Management

Handling Continuous Streams for  
Meteorological Mapping

Chris Schubert<sup>1</sup>, Harald Bamberger<sup>2</sup>

<sup>1</sup> CCCA Data Centre, Vienna, Austria, hosted  
by ZAMG,

<sup>2</sup> ZAMG, Dep. Software Application  
development and Data Management



## Special Issue "Earth Observation Data

Open Access Article

### Dynamic Data Citation Service—Subset Tool for Operational Data Management

by Chris Schubert <sup>1,\*</sup> Georg Seyerl <sup>1</sup> and Katharina Sack <sup>2</sup>

<sup>1</sup> Data Centre—Climate Change Centre Austria, 1190 Vienna, Austria

<sup>2</sup> Institute for Economic Policy and Industrial Economics, WU—Vienna University of Economics and Business, 1020 Vienna, Austria

\* Author to whom correspondence should be addressed.

*Data* **2019**, *4*(3), 115; <https://doi.org/10.3390/data4030115>

Received: 31 May 2019 / Revised: 29 July 2019 / Accepted: 30 July 2019 / Published: 1 August 2019

(This article belongs to the Special Issue *Earth Observation Data Cubes*)

[View Full-Text](#)

[Download PDF](#)

[Browse Figures](#)

[Review Reports](#)

<https://doi.org/10.3390/data4030115>

# SUBSETTING + dynamic data citation

# PUBLICATION



## Dynamic Data Citation for frequently modifying High Resolution Climate Data



Climate Change Centre Austria (CCCA) Data Centre adopts Research Data Alliance (RDA) Recommendation on Data Citation of Evolving Data

An RDA adoption story written by **Chris Schubert**, Geologist and Geoinformatics, Head of CCCA – Data Centre, Coordinator for Austria of the Group on Earth Observation (GEO)

Reading time: 6 minutes

The Climate Change Centre Austria (CCCA) Data Centre expected a comprehensive project outcome of completely new simulated High Resolution Climate Scenarios for Austria in the time range from 1965 till 2100 on a daily basis. For consumption, 13 model runs, 5 meteorological parameters like temperature, 3 emission scenarios, over 1600 NetCDF files with an average size of 13 GB were calculated. How could we implement proper data management processes on such data packages? We were looking for best practices on persistent identifiers and sub-setting tools for such big data containers. By chance, I met members of the RDA Data Citation Working Group. The idea of using the RDA recommendation on dynamic data citation as a pilot "NetCDF Pilot Implementation of Climate Scenarios" was born.

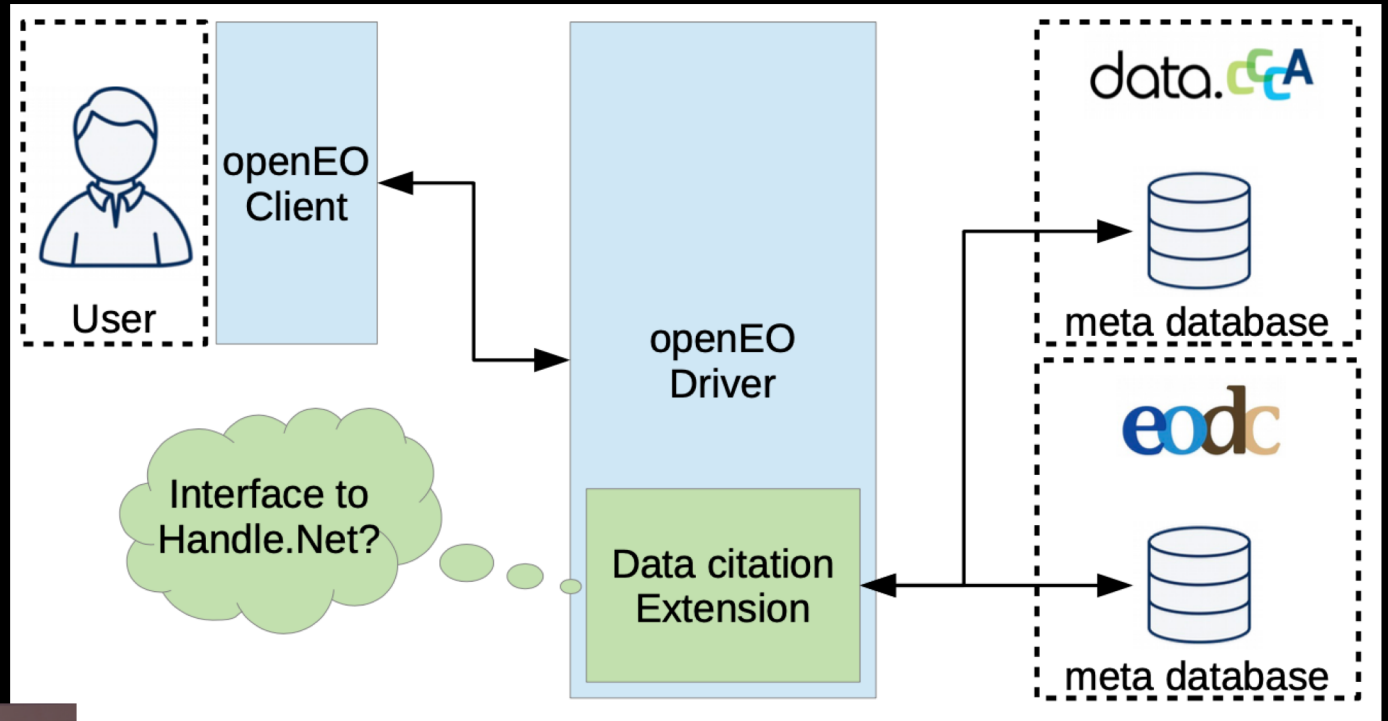
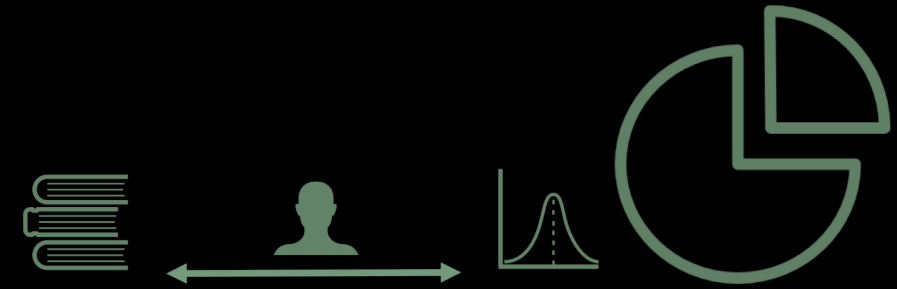
"High Resolution Climate Data modify frequently, due to their complex dependencies and statistical methods for downscaling. In order to re-use these data and services in a reproducible manner, to share and cite, data analysts and researchers need a possibility to identify the exact version used."

Chris Schubert, Head of CCCA-Data Centre

RDA ADOPTION STORY

Dynamic Data Citation for frequently modifying High Resolution Climate Data

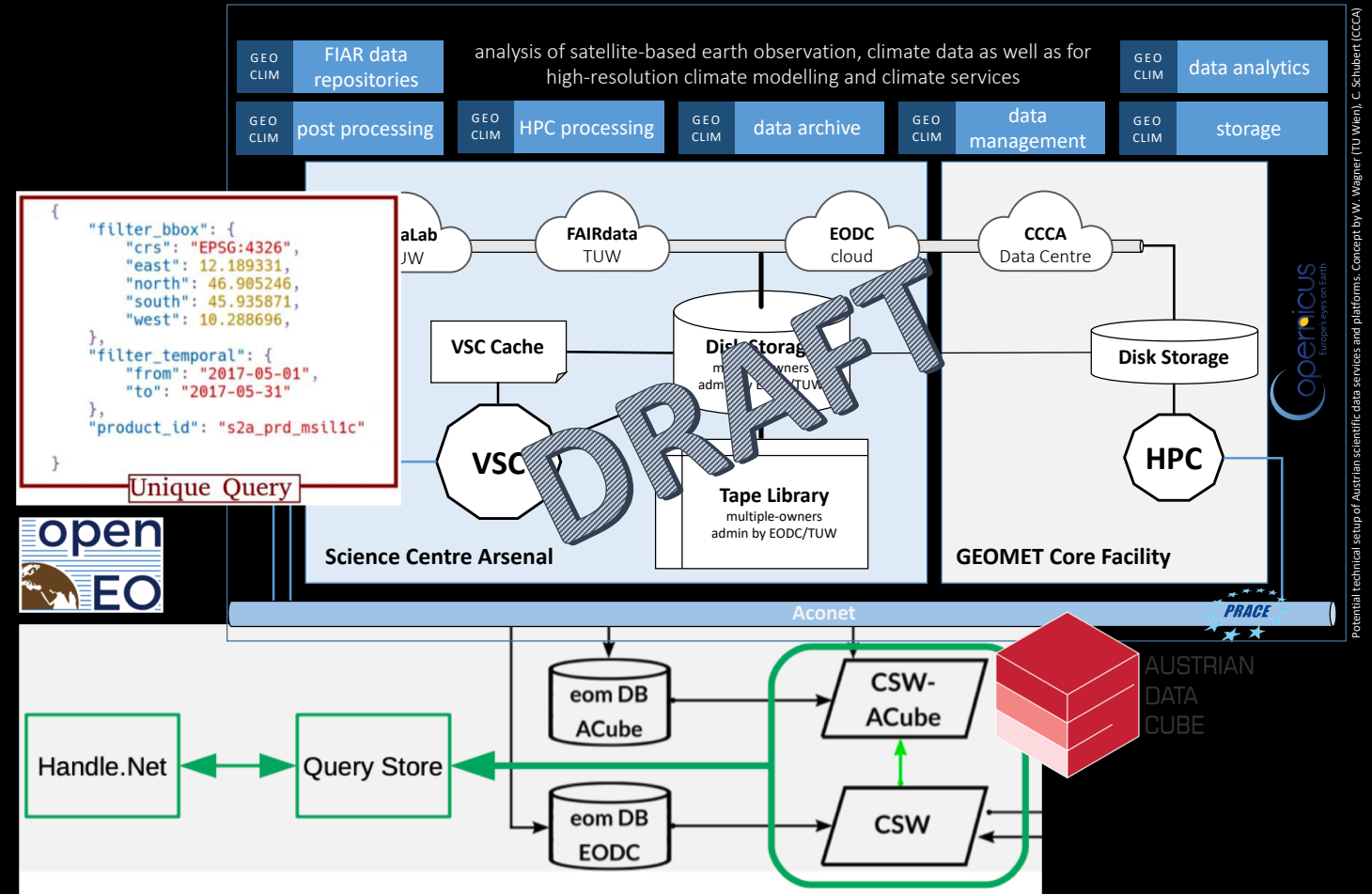
TOP EUROPEAN ORGANISATIONS FUNDED TO ADOPT RDA RECOMMENDATIONS & OUTPUTS



SUBSETTING + dynamic data citation

RDA Adoption Grant

- CCCA Data Center wants to establish services to the Earth Observation domain w/o collecting redundant data
- Extent the user community
- Improvement of software architecture
- Find best synergies to OpenEO, OGC Standards
- Find best synergies for the OpenDataCube initiatives
- Developed software modules are still Open Source, see EODC - RDA Data Citation Recommendations on an openEO



SUBSETTING + dynamic data citation

RDA ADOPTION



data.ccca

# Thank you for attention !

Chris Schubert

Head of CCCA – Data Centre

GEO Coordinator for Austria

data.ccca.ac.at

1190 Wien, Hohe Warte 38 Tel: +43136026

2519 chris.schubert[at]ccca.ac.at

The screenshot shows the homepage of the CCCA Data Server. At the top, there is a navigation bar with links for Groups, Organizations, Datasets, and About. The main header features the data.ccca logo and a large '2.4k Datasets' counter. Below this is a search bar and a row of icons representing different data types. The central content area is divided into three columns: 'Connect' (promoting interoperability), 'Services' (describing data access and preview), and 'Quick Help' (providing contact information). A statistics bar at the bottom shows 2.4k Datasets, 38 Organizations, and 43 Groups. The footer contains various partner logos including re3data.org, Forschungsinfrastruktur, ZAMG, klima+ energie fonds, and RDA.

# CoreTrustSeal in SSHOC

## Social Sciences & Humanities Open Cloud

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### RDA Adoption Stories

Hervé L'Hours, UK Data Service - CESSDA  
Franciska de Jong, CLARIN ERIC

**RDA Adoption Week: Identify, Store and Preserve**  
2020-06-20





Project:



**SSHOC**

social sciences & humanities open cloud



Horizon 2020  
European Union Funding  
for Research & Innovation

**Type of action & funding:**  
Research and Innovation action  
(INFRAEOSC-04-2018)

**Partners: 45**

(20 beneficiaries + 25 LTPs)

SSH ESFRI Landmarks and Projects  
& international SSH data infrastructures

**Project budget:**  
€ 14,455,594.08

**Duration: 40 months**  
(January 2019 – 30 April 2022)

**Project website:**  
[www.SSHopencloud.eu](http://www.SSHopencloud.eu)



**Objectives:**

- creating the social sciences and humanities (**SSH**) part of European Open Science Cloud (**EOSC**)
- maximising **re-use** through **Open Science** and **FAIR** principles (standards, common catalogue, access control, semantic techniques, training)
- interconnecting existing and new infrastructures (clustered cloud infrastructure)
- establishing appropriate **governance model** for SSH-EOSC

# The Organisation

6 European Research Infrastructures (+partners) from the SSH domain

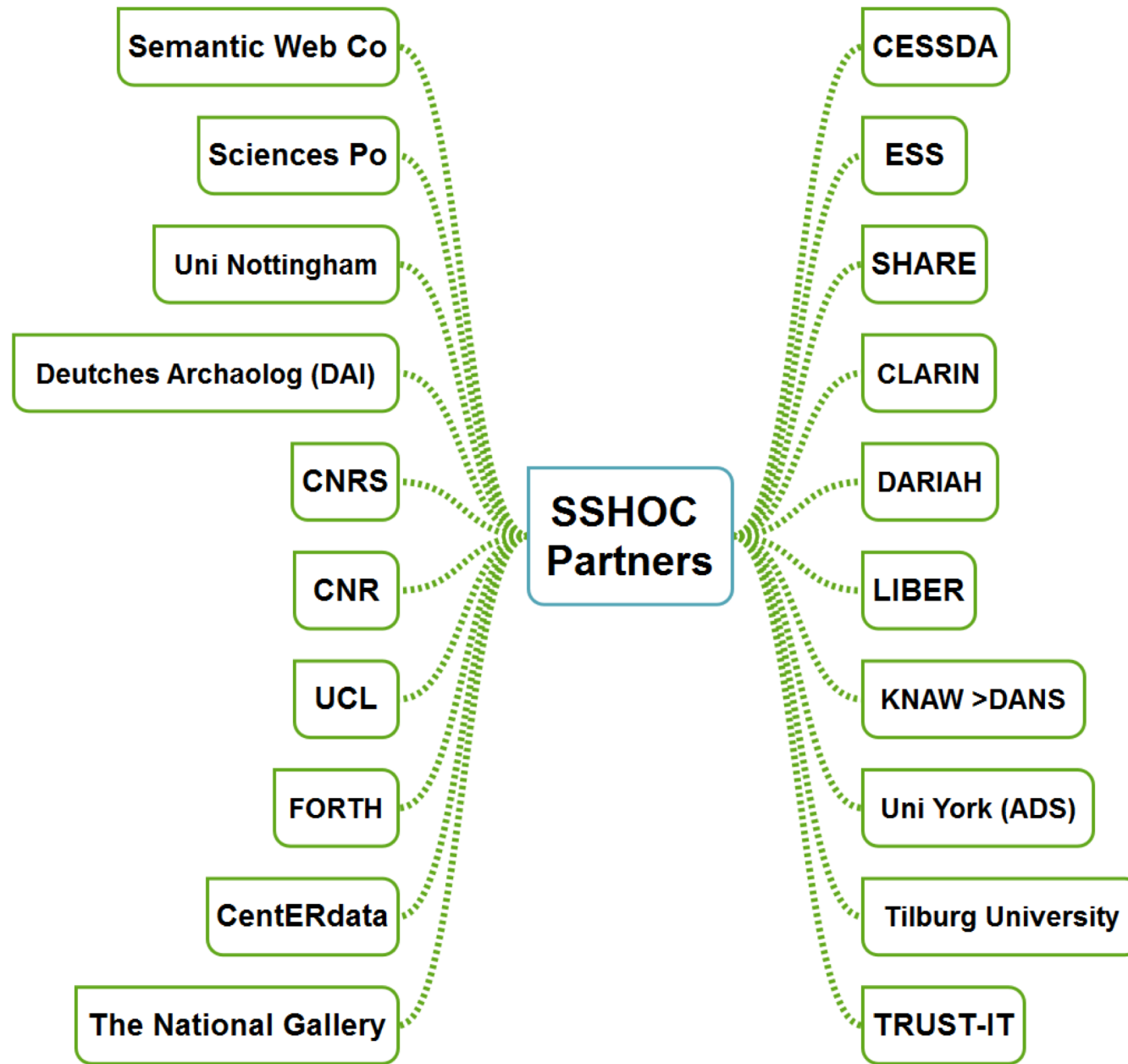
- Developing
- Established
- CESSDA ERIC
- CLARIN ERIC
- DARIAH ERIC
- ESS ERIC
- SHARE ERIC
- E-RIHS
- LIBER Association of European Research Libraries

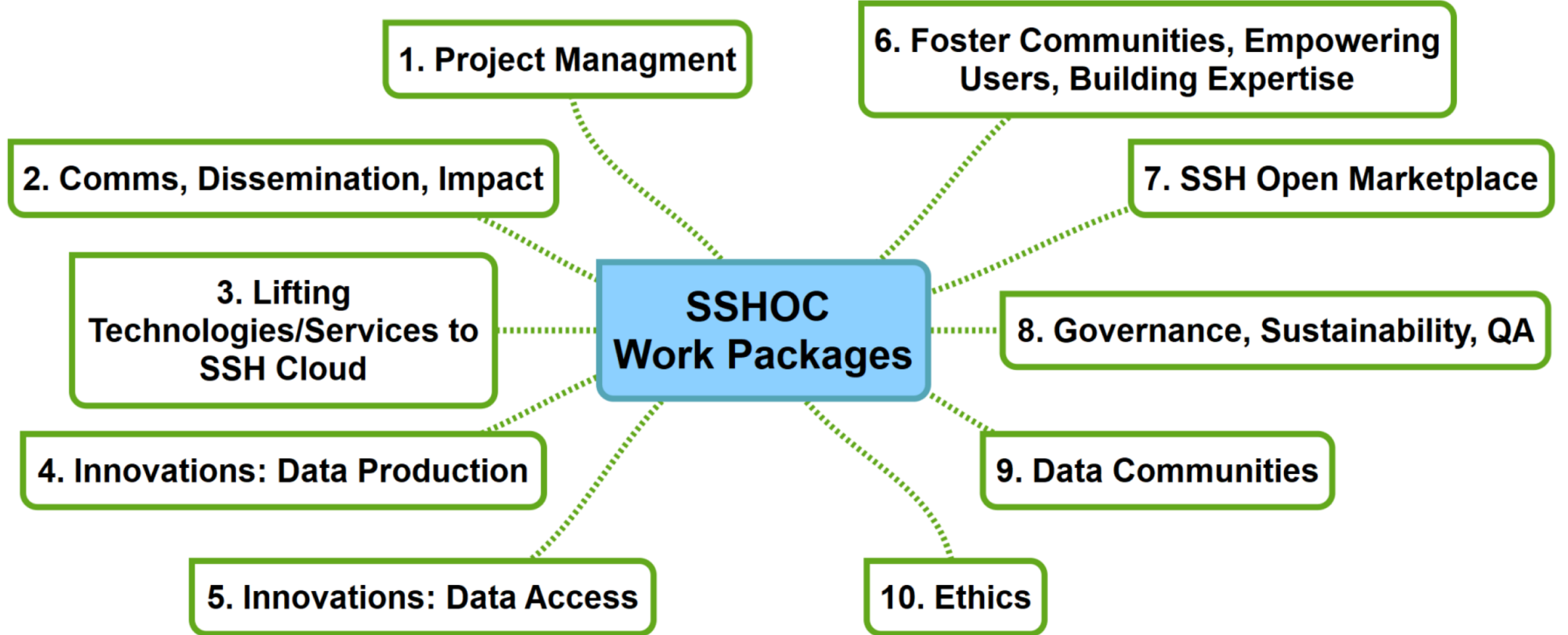
40 months to move from disciplinary silos and separate facilities into an integrated, cloud-based network of interconnected data infrastructures.

# The Challenge

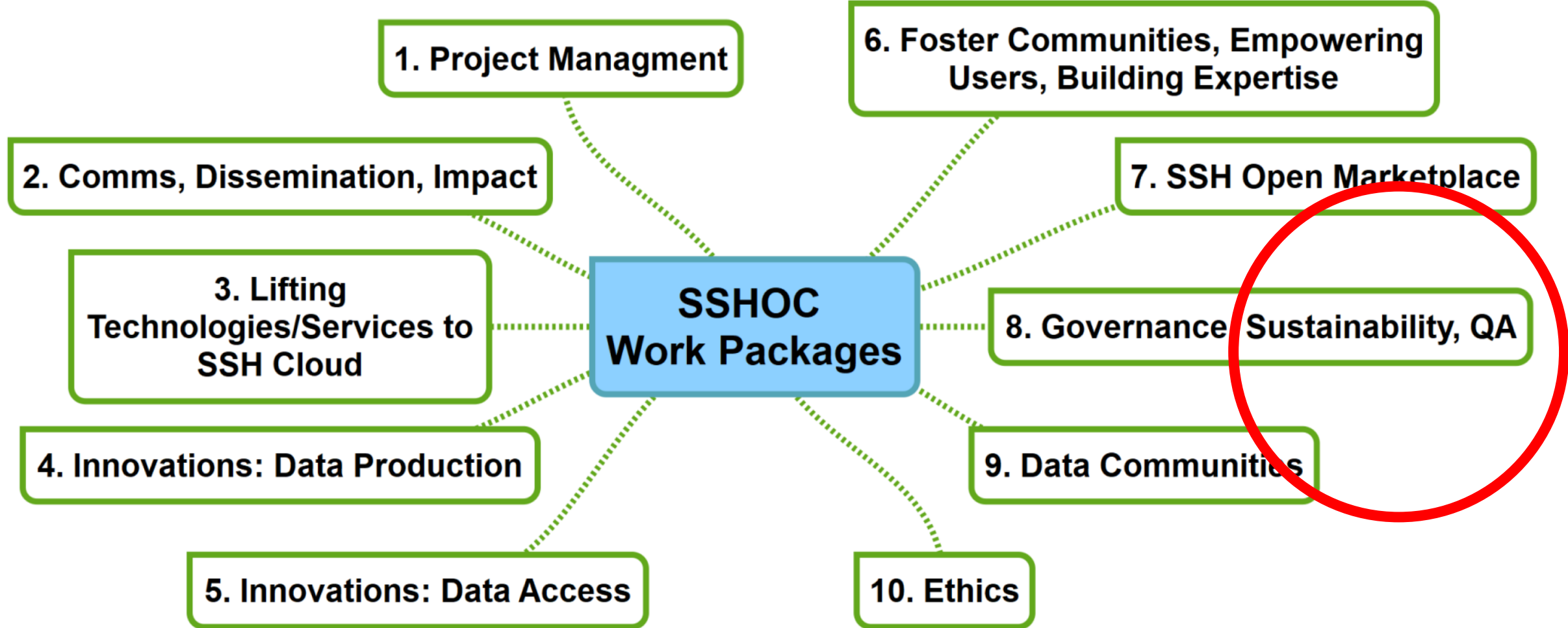
- Research Infrastructures: repository trust & quality
  - CESSDA Social Sciences
  - CLARIN Language data for SSH at large
  - DARIAH Arts & Humanities
  - E-RIHS Cultural & Natural Heritage
- A common approach to assessing:
  - People
  - Processes
  - Technology

Evaluation against agreed requirements











# Which RDA recommendation & why?

- CoreTrustSeal Trusted Digital Repository (TDR) Requirements
  - Repository Audit and Certification Catalogues
  - RDA Repository Audit and Certification DSA–WDS Partnership WG
  - RDA/WDS Certification of Digital Repositories IG

## Why?

- Core, low barrier to entry
- Community developed & managed
- Recommended (EOSC, Turning FAIR Data into Reality etc.)
- Responsive to community feedback

# CoreTrustSeal

## Organisation Infrastructure

R1. Mission/Scope

R2. Licenses

R3. Continuity of access

R4. Confidentiality/Ethics

R5. Organizational infrastructure

R6. Expert guidance

## Digital Object Management

R7. Data Integrity - Authenticity

R8. Appraisal

R9. Documented storage procedures

R10. Preservation plan

R11. Data quality

R12. Workflows

R13. Data discovery and identification

R14. Data reuse

## Technology

R15. Technical infrastructure

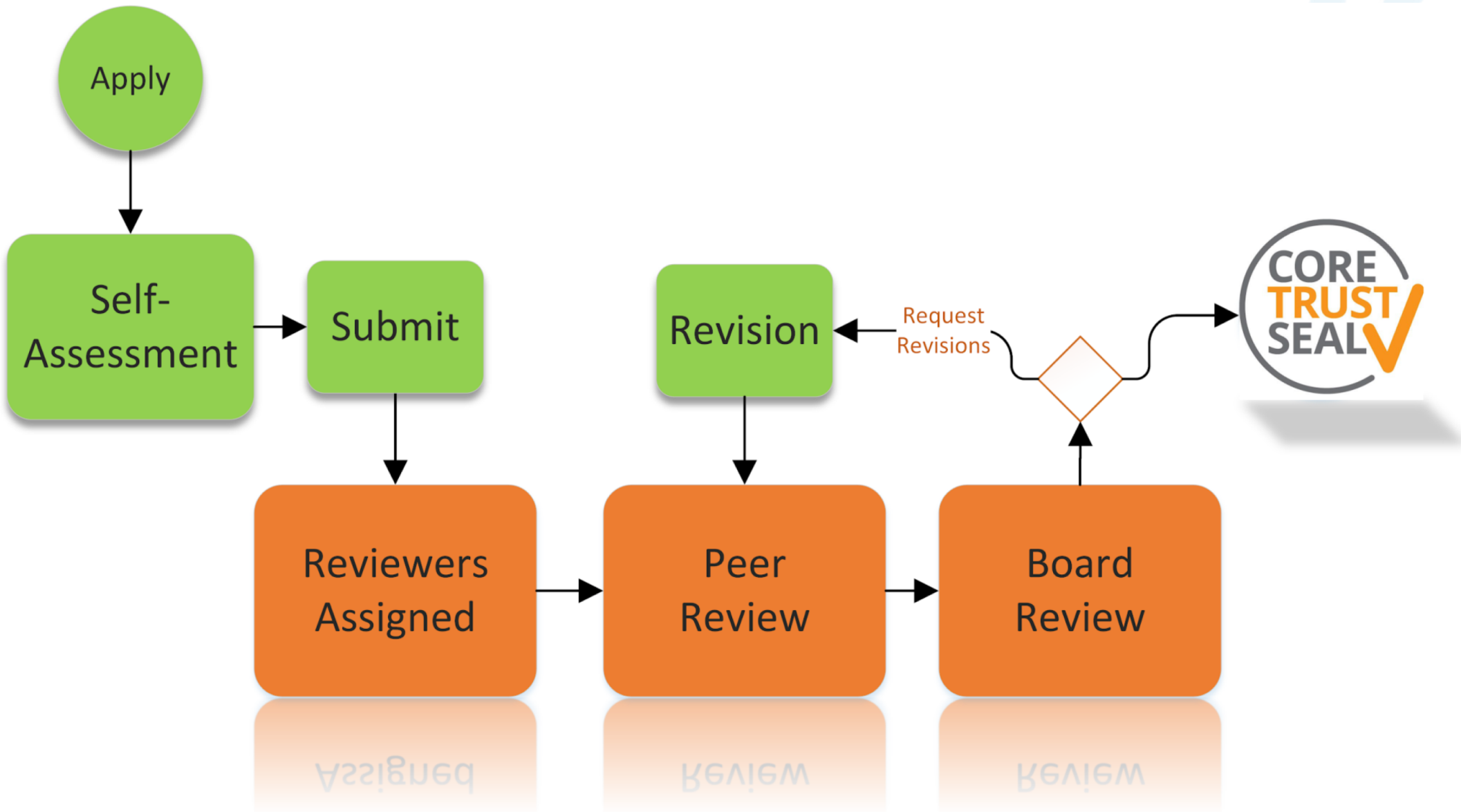
R16. Security



# The Adoption Process (SSHOC T8.2)



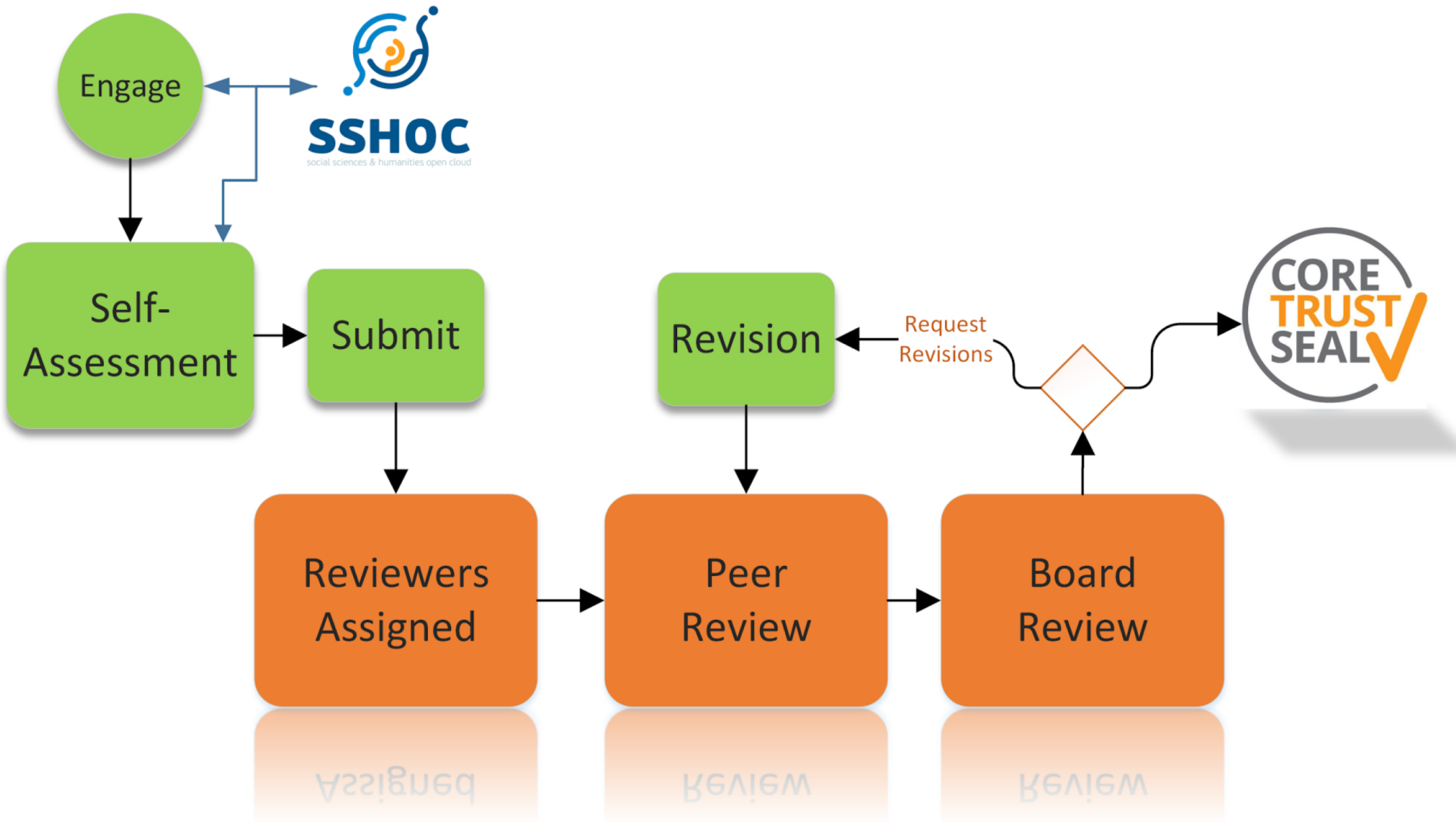
- Support in reaching certification goals
  - Self-Assessment
  - Achieve CoreTrustSeal
  - Renew CoreTrustSeal (for the >30 certified centres)
- Flexible approaches:
  - Engagement and awareness raising (benefits, approaches, evidence)
  - Information outputs fully open
  - Workshops and webinars on repository certification
  - Events targeted at each community, but open to all
  - SSHOC-internal review of self-assessments (confidential)



HLH-CoreTrustSeal-Process\_00\_03.vsd







HLH-CoreTrustSeal-Process-SSHOC\_00\_03.vsdX

# Benefits of adoption and impact

- **Benefits beyond formal certification:**
  - Self-assessment improves internal communication/understanding
  - Facilitates comparison with peers
  - Supports cooperation with partner
  - Feeds back into data quality and process improvements
- **Benefits beyond the obvious candidates**
  - Wide variety of potential applications (beyond repositories)
  - Identify cases of 'not applicable' (and why)
  - Feedback into the CoreTrustSeal

# Benefits of adoption and impact

- Feedback into the CoreTrustSeal to better support:
  - Repositories
  - Wider infrastructure actors
- Active CoreTrustSeal engagement to work with:
  - general-purpose galleries, libraries, archives and museums
  - complex partnership models
  - technical infrastructure service providers
- Varied SSHOC applicants inform wider data steward support
- Sustainable cross-SSH ERIC trust work beyond SSHOC

# Lessons Learned from Adoption?

- CoreTrustSeal: flexible and broadly applicable
- Those who don't identify as traditional applicants see relevance
- All actors in these partnerships are critical EOSC components
  - Potential TDRs
  - Supporting data service providers
- CoreTrustSeal transparency ethos
  - SSHOC information shared wherever possible
  - Applied to a wide range of data stewards
  - Used for 'gap analysis'



<https://bit.ly/2MRXueg>



*Call for applications:*  
**Support for Repository  
Certification**





# Join our community!



[www.sshopencloud.eu](http://www.sshopencloud.eu)



[@SSHOpenCloud](https://twitter.com/SSHOpenCloud)



[company/sshoc](https://www.linkedin.com/company/sshoc)



[info@shopencloud.com](mailto:info@shopencloud.com)





Food and Agriculture Organization  
of the United Nations

# 39 Hints to Facilitate the Use of Semantics for Data on Agriculture the Nutrition

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FAO Adoption story

**Caterina Caracciolo**

*FAO , Statistics Division*

**RDA Global Adoption Week**  
Online, June 17, 2020

Part of the “UN family”, goal is food security

- HQ in Rome, offices in 130 countries
- Activities on policy, data
- FAO in RDA:
  - Agricultural Data IG (IGAD)
  - Agrisemantics WG
  - Fisheries Data Interoperability WG
  - Wheat Data WG



The challenge: Semantic data interoperability

Output focuses on:

- Tools: generic web framework for collaborative creation of semantic resources
- Reusability of semantic resources
- Adoption of standards
- ..across the entire lifecycle
- ..considering all user profiles involved

# Why Agrisemantics is relevant to ag statistics

Statistical data heavily relies on classifications for their collection, use, analysis, integration.

**But** they are still largely treated “ad-hoc”. Ultimately, interoperability is hampered.

Agrisemantics recommendations offer a comprehensive view on how to make it better



Because... Words are ambiguous, codes too

# Turkey

# 1079



# Statistical classifications in practice

Domain Code	Domain	Area Code	Area	Element Code	Element	Item Code	Item	Year Code
QC	Crops	2	Afghanistan	5510	Production	01709.90	Pulses nes	2018
QC	Crops	3	Albania	5510	Production	01701	Beans, dry	2018
QC								
		<b>FCL Item code</b>	<b>FCL Title</b>			<b>CPC ver.2 code</b>	<b>* CPC ver.2 title</b>	
		0015	Wheat			01111	Wheat, seed	
		0015	Wheat			01112	Wheat, other	
		0016	Flour of Wheat			23110	Wheat and meslin flour	
		0016	Flour of Wheat			23130	Groats, meal and pellets of wheat and other cereals	
		0017	Bran of Wheat			39120	"Bran and other residues from the working of cereals or legumes; vegetable materials and vegetable waste, vegetable residues and by-products, whether or not in the form of pellets, of a kind used in animal feeding n.e.c."	

# Adoption @FAO , Statistics Division

Caliper, a web platform dedicated to statistical classifications

<http://stats-class.fao.uniroma2.it/caliper/>

Ultimate goal = have better statistics – more timely, of higher quality, better comparable

**Note:** The platform is not yet an official service of FAO. Data can be accessed and tested but should NOT be taken as reference.

# Caliper

Statistical Classifications in an Open Linked World

HOME

CLASSIFICATIONS

BROWSE

DOWNLOAD

QUERY

EDIT

SOURCES

DOCUMENTATION

FAQ

NEWS

CONTACTS

## Statistical Classifications in an Open Linked World

The timeliness and interoperability of agricultural statistics largely depend on the availability of classifications in usable and standard formats. Instead, they are often in formats that are hardly or not-machine readable (e.g., PDF), or information is scattered in different files (e.g., multilingual titles and correspondences), or metadata in ad hoc and not-machine readable formats.

The goal of this project is to address those limitations by applying open technologies for the web. We look at all phases in the life cycle of statistical classification

- **Publication:**

- classifications can be **browsed and visualized** in different ways. We use three tools: SKOSMOS, PMKI, and the content management system Drupal.

- **Use:**

- download classifications in machine readable formats
- query and extract specific pieces of classifications on demand
- programmatic access classifications, via APIs, or through content negotiation of web addresses (URIs).

- **Editing:**

- VocBench as a editing platform.

**Credentials: "caliper", "caliper"**

**CREDITS:** Caliper is part of a project run by the Food and Agriculture Organization of the UN (FAO) and supported by the Bill and Melinda Gates Foundation (BMGF). Vergata (Rome, Italy) provides technical and scientific support.

# Caliper is

## An aggregator of resources

- Based on semantic technologies and open standards
- Serving data to humans and machines

# Recommendations implemented

1. Standard modelling and formats
  - Mostly, RDF-tech stack
  - SKOS, XKOS, URIs..
2. Reuse of common metadata models
  - DC, DCAT, VoID, for machine readability
  - Versioning and provenance information
3. A web-based platform
  - Addressing different users needs and roles
  - Open source tools and licenses



# Some highlights

# Coverage

Caliper

Vocabularies

from all ▾ Any language ▾ |

## Vocabulary Categories

ACTIVITIES	ISICRev4
AID FLOWS	CRS 2016 05 CRS 2018 01
CROPS	ICC v1.0 ICC v1.1 WCACrops
FORESTRY	Forest Products Class. 2016
GEOGRAPHY	M49 FAO current M49 FAO Dec 2019 M49 FAO Jul 2019 M49 UNSD SDG grouping
NUTRITION	FoodEx2 2016
PRODUCTS	CPC v2.0 CPC v2.1 FCL HS
SOIL	WRB 1998

# #1. Standard modelling and formats (URIs)



<http://stats-class.fao.uniroma2.it/geo/m49/792>



<http://stats-class.fao.uniroma2.it/FCL/v2019/1079>



<http://stats-class.fao.uniroma2.it/ISIC/rev4/1079>

## #2. Common metadata models

Having in mind:

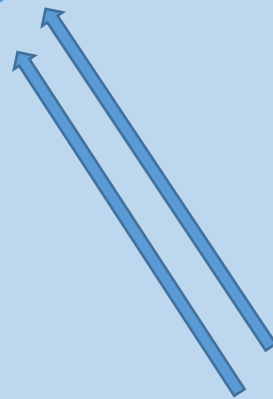
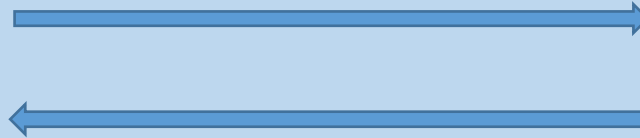
- machine interoperability
  - Dublin Core, DCAT, VoID, OWL provenance
- human credibility (!), to distinguish:
  - Author, version, etc of the classifications
  - Caliper as publisher of specific distributions

# #3. Web platform and tools

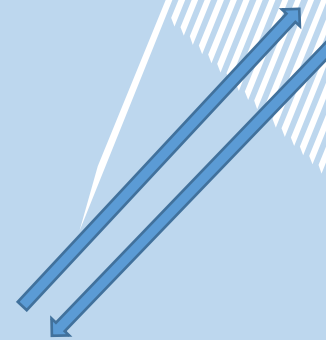
## All open source:

- Viz: SKOSMOS, Drupal, PMKI
- Editing: VocBench3
- Services: Apache Jena Fuseki, GraphDB, Yasgui
- Working towards a better integration of them, wrt
  - Data lifecycle
  - Users involved

# Next: interoperability at a larger scale



Other classifications  
custodians and users







# Thank you!

Caterina Caracciolo: [caterina.caracciolo@fao.org](mailto:caterina.caracciolo@fao.org)

Caliper: <http://stats-class.fao.uniroma2.it/caliper/>

credentials: caliper, caliper

# Extra! Survey on adoption of Agrisemantics

**Prof. Chris Baker** and **Dr. Brett Drury** are conducting a comprehensive survey of attitudes and opinions about the current state of the art and adoption of Agrisemantics. They would like your opinions, and they would be grateful if you could complete a short questionnaire. See:

<https://www.godan.info/news/new-study-agrisemantics-food-security>

**Contact:** [brett.drury@gmail.com](mailto:brett.drury@gmail.com)



# Tell your adoption story

- **Are you an adopter?** RDA is actively seeking new adoption stories to inspire the further uptake of RDA outputs.
- **Submit your story here:**  
<https://www.rd-alliance.org/tell-your-rda-adoption-story>

## RDA ADOPTION STORIES



Adopters of RDA outputs share their experiences and lessons learned to inspire further uptake of RDA outputs

🔗 Read the current adoption stories

📄 Submit your story through the webform

[rd-alliance.org/tell-your-rda-adoption-story](https://www.rd-alliance.org/tell-your-rda-adoption-story)





# CODATA CfP Data Science Journal

- **RDA special collection themes:**
  - Results produced by an IG or WG;
  - Description of an Adoption Case outlining how a specific recommendation or output has been implemented;
  - Other types of work related to RDA activities.
- RDA Europe 4.0 still has funds available for the publication of articles in DSJ
- Open to all interested applicants regardless of their geographical provenance.
- **Deadline 17 July**

**Submit your article for the Data Science Journal Special Collection on RDA**

RDA CODATA Data Science Journal special collection solicits high quality papers describing the latest results of RDA WG and IG that have recently published outputs and associated use cases.

Publication fees will be covered by the RDA Europe 4.0 project

Publication fees of the first selected 30 articles will be covered by the RDA Europe 4.0 project thanks to specific funding available until 17 July 2020 on a first com first served basis.

Don't miss out, submit your paper now!  
[datascience.codata.org/about/submissions](https://datascience.codata.org/about/submissions)





# Recommendations and outputs catalogue

- RDA Outputs are classified as **RDA Recommendations** (*official, endorsed results of RDA Groups*), **Supporting Outputs** (*useful solutions from our RDA Working and Interest Groups*) or **other Outputs**
- They can be searched according to their status, **Data Life Cycle topics** ??? or scientific domain

**1 Data Management**  
Develop best practices and tools for non-static, machine-readable data management plans which can evolve throughout the research data lifecycle, as well as be machine-readable by collaborators and stored with the data.

**2 Data Collection**  
Capture scientific evidence that allows analysis to lead to the formulation of convincing and credible answers to questions of researchers.

**3 Data Description**  
Documentation is an essential component of research data management and allows researchers to make sense of data in the future.

**4 Identity, Store and Preserve**  
Collections and streams of digital objects are growing at an incredibly rapid pace. We need to understand on what these objects are, how we need to be documenting and storing them, and how they should all link and talk to one another before we get overtaken by a forest of data.

**5 Disseminate, Link and Find**  
An increasing number of publishers and journals are implementing policies that require or recommend published articles to be accompanied by the underlying research data.

**6 Policy, Legal Compliance and Capacity**  
Currently, all scientific communities use their own set of policies, if any. A generic set of policies that can be revised and adapted by users to build up their own data collection does not exist.

[rd-alliance.org/recommendations-and-outputs/catalogue](http://rd-alliance.org/recommendations-and-outputs/catalogue)





[WWW.RD-ALLIANCE.ORG/](http://WWW.RD-ALLIANCE.ORG/)  
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