

Invited ignite talks





1. Fostering access to massive-scale digital resources

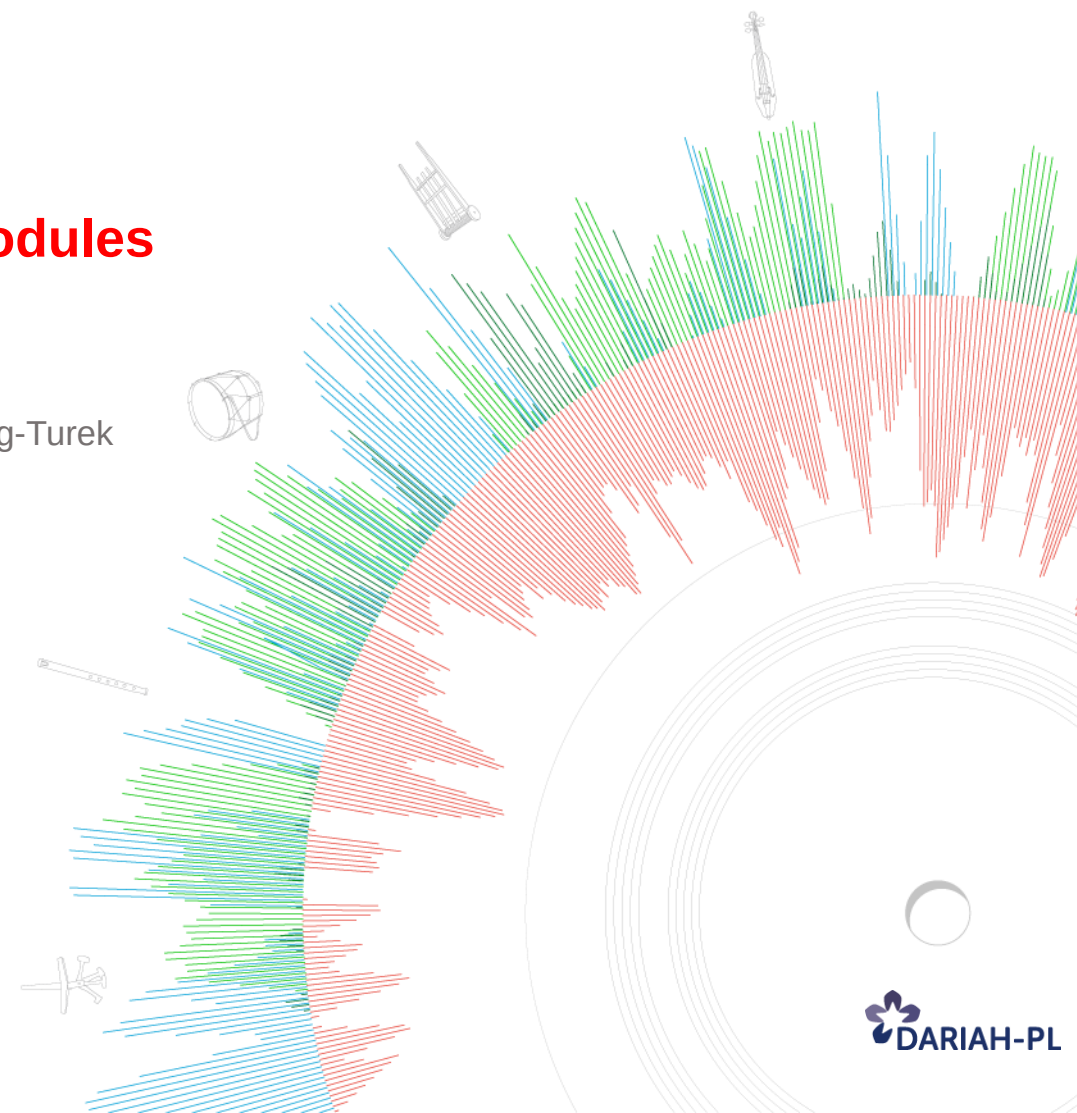
- Ewa Lukasik: Developing symbolic and audio data analysis modules for a prototype traditional music repository
- Athanasios Karasimos: The Battleground of Humanities Data: Handling Multidisciplinarity and Diversity
- Michal Gochna : GIS in gathering information from historical sources
- Marta Lorenzon: Archaeology and open data: a step towards decolonization

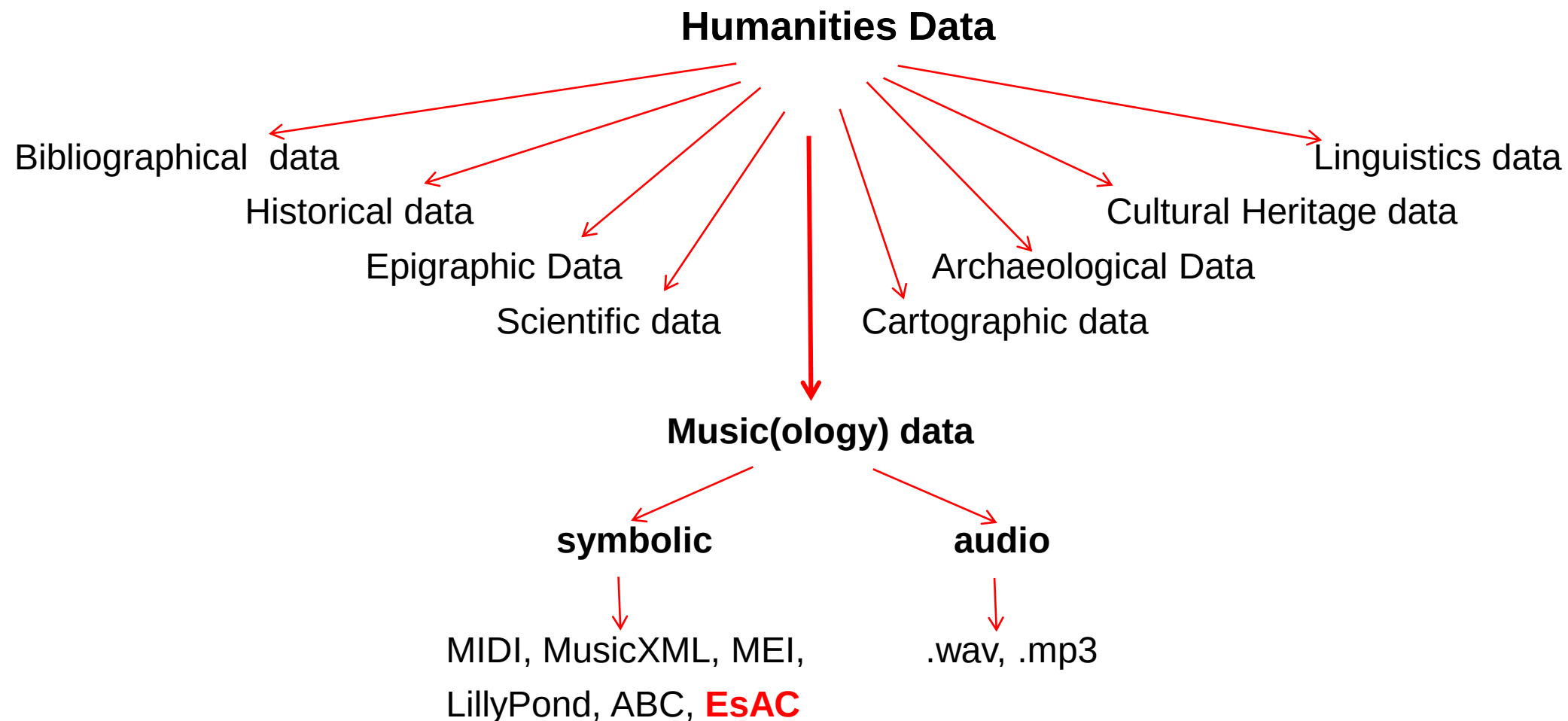
Developing **Symbolic and Audio Data Analysis Modules** for a Prototype Traditional Music Repository

M. Werla, T. Parkoła, J. Jackowski, M. Chudy, E. Łukasik, E. Kuśmierek, E. Dahlig-Turek
Poznań - Warsaw, POLAND

DARIAH_EU Annual Event, Warsaw, 15-18 May 2019

MIR Working Group DARIAH-PL <https://mir-wg.dariah.pl/>

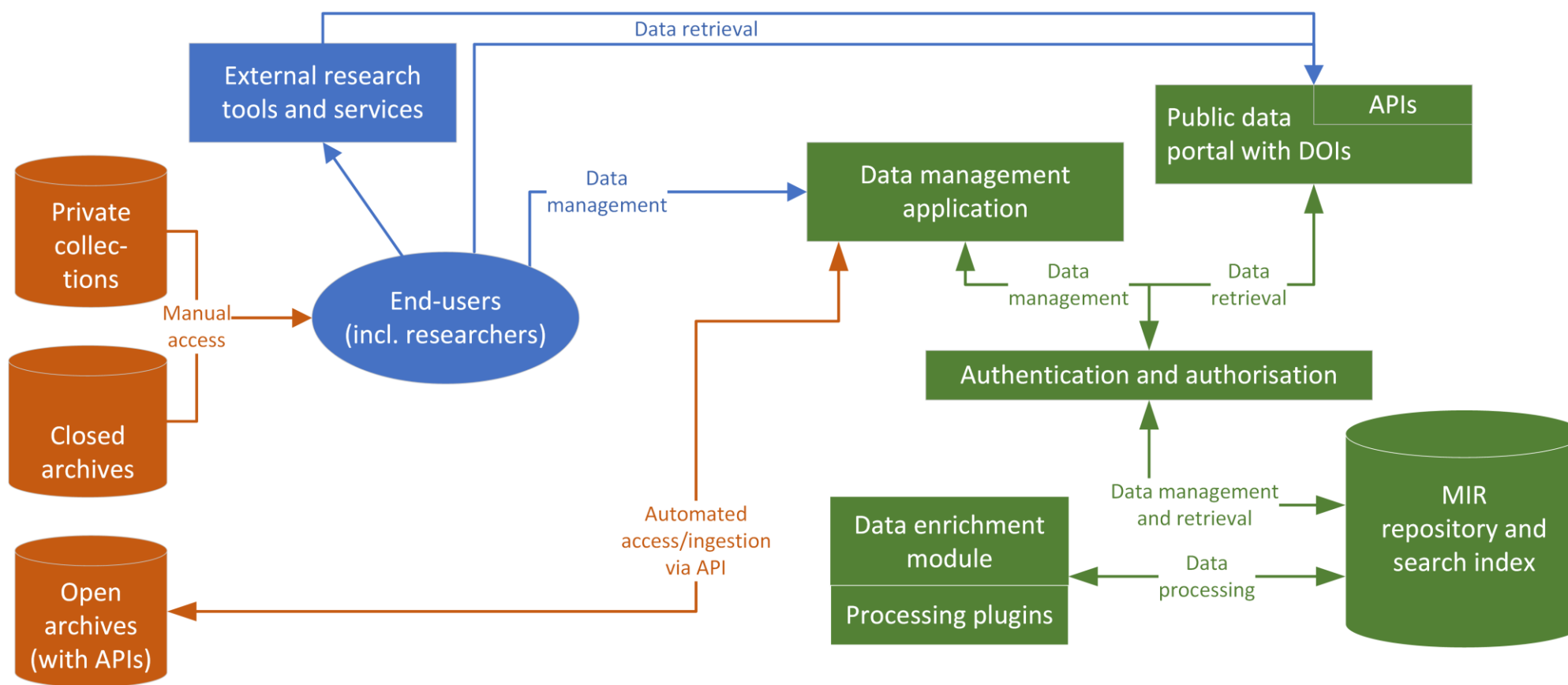




Pillars of MIR research environment for traditional music

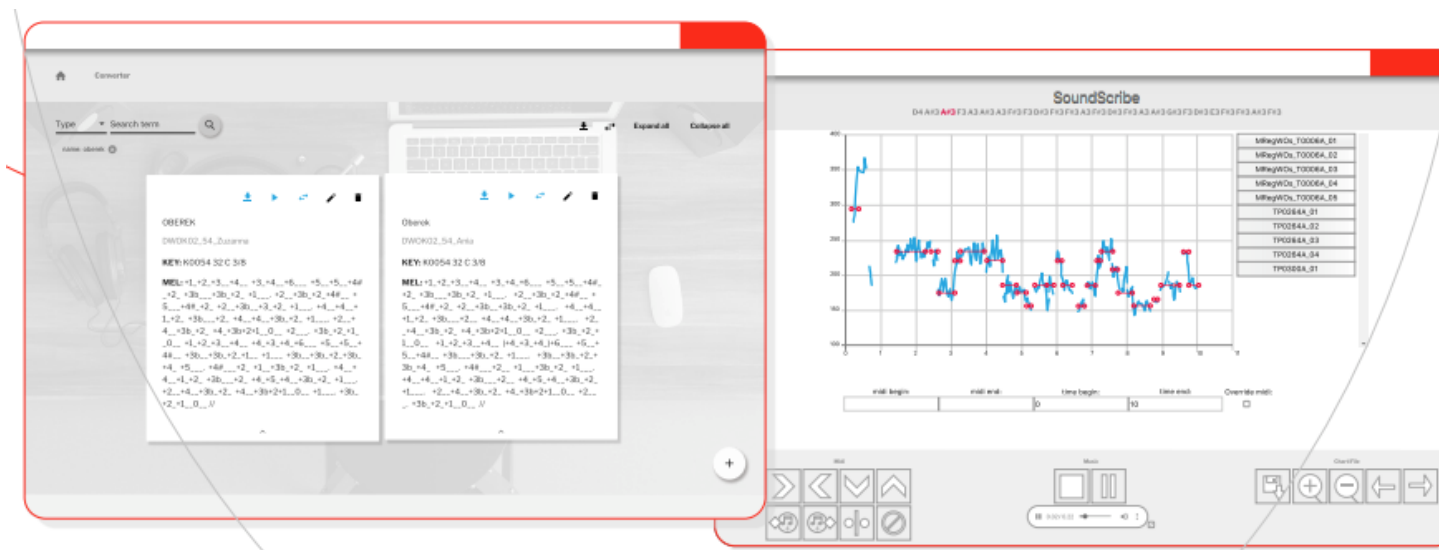
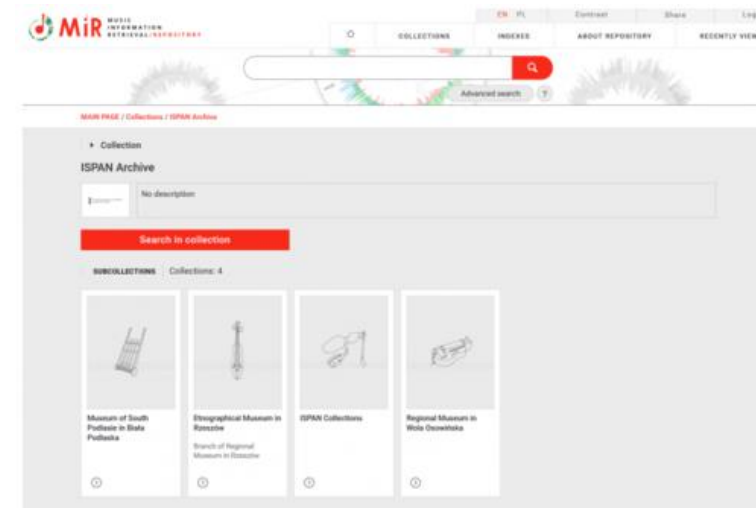
-  **dLibra** - distributed and portable digital library framework developed for building complex and highly interoperable digital libraries (PSNC),
-  **The largest phonographic sound archive of Polish traditional music** - managed by a dedicated computer system providing access to the sound objects and specific textual metadata (IAPAS),
-  **19th century Oscar Kolberg Complete Works series** - containing ca. 20,000 folk tunes in staff notation, since 2014 transcribed into EsAC format (IAPAS),
-  **Tools and methods of symbolic and audio content-based Music Information Retrieval** (PUT, PSNC)

Objective of DARIAH-PL MIR WG – building MIR research environment for Polish traditional music



Developing Traditional Music Repository

- Prototype dLibra software based MIR content repository
- Symbolic and Audio Data Analysis Modules for dLibra system
 - WebEsAC – Web-based EsAC editor
 - SoundScribe – for audio-to-F0-to-MIDI transcription



Warsaw University Library: 316



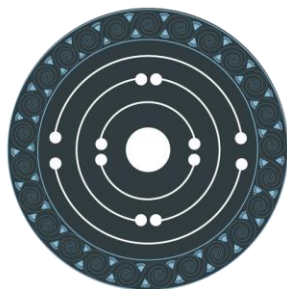




DARIAH-EU ANNUAL MEETING 2019 | IGNITE TALKS | DARIAH-GR/DYAS

10

PREVIOUSLY ON... DIGITAL HUMANITIES



PARTHENOS

Pooling Activities, Resources and Tools
for Heritage E-research Networking,
Optimization and Synergies



THE FELLOWSHIP OF THE DARIAH-GR/DYAS TEAM IN THE BATTLEFIELDS OF DIGITAL HUMANITIES

Eight researchers against the vast amount of data from more than fifteen disciplines

History, Archaeology (Prehistoric, Classical, Byzantine, post-Byzantine), Language studies and Linguistics, Theater and Performance studies, Literature, History and Methodology of Sciences, Arts and Arts History, Turcology, Ethnology and Anthropology, Philosophy, Classic studies, Theology, etc.

Amount of data, variety of disciplines and types of collections required a common ground to accommodate store and description

EXPLORING A MULTI-DIVERT DISCIPLINE- VERSE



(Arts and) Humanities data show varying degrees of formalization



Restricted and focused perspective of Digital Humanities projects



Availability of diverse, multidisciplinary, and rare materials through digitisation of cultural heritage collections and Humanities data



Diversity of Arts and Humanities disciplines allows the study of the human condition as a whole



Emerging trends of DH to capture, analyse and process data through the prism of multidisciplinary

DYAS REGISTRIES: COLLECTING COLLECTIONS

HOME CONTACT GR EN

δυνας Registries Collections Organizations Persons Maps Advanced search

Registries / Collections / Αρχείο Χαρτών

Αρχείο Χαρτών

Γενικά Ειδικές πληροφορίες Ιδιοκτησία Δικαιώματα Γεωγραφική Κάλυψη Χρονική Κάλυψη Επικοινωνία

Τίτλος
Αρχείο Χαρτών

Φορέας
Αργολική Αρχαική Βιβλιοθήκη Ιστορίας και Πολιτισμού

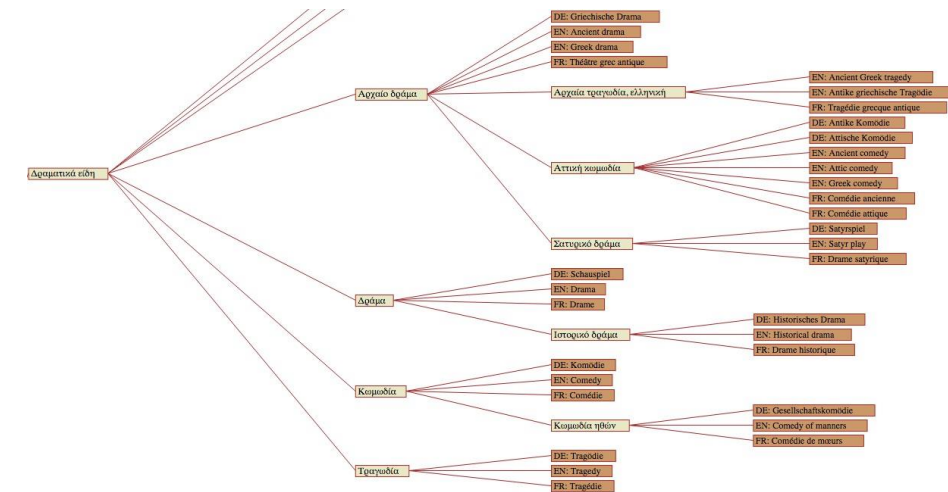
Εναλλακτικός Τίτλος
English : Maps Collection (Διεθνής)

Περιγραφή
Greek : Ιχνογραφήματα, αποτυπώσεις του φυσικού χώρου, των διοικητικών διαιρέσεων, πολεοδομικά σχέδια οικισμών, χάρτες αρχαιολογικού ή ιστορικού ενδιαφέροντος με σημείο αναφοράς την περιοχή της Αργολίδας

Θέματα
Ιστορία, Αρχαιολογία, Γεωγραφία, Πολεοδομία, Διοίκηση, Τοπική Ιστορία, Ιστορική Γεωγραφία

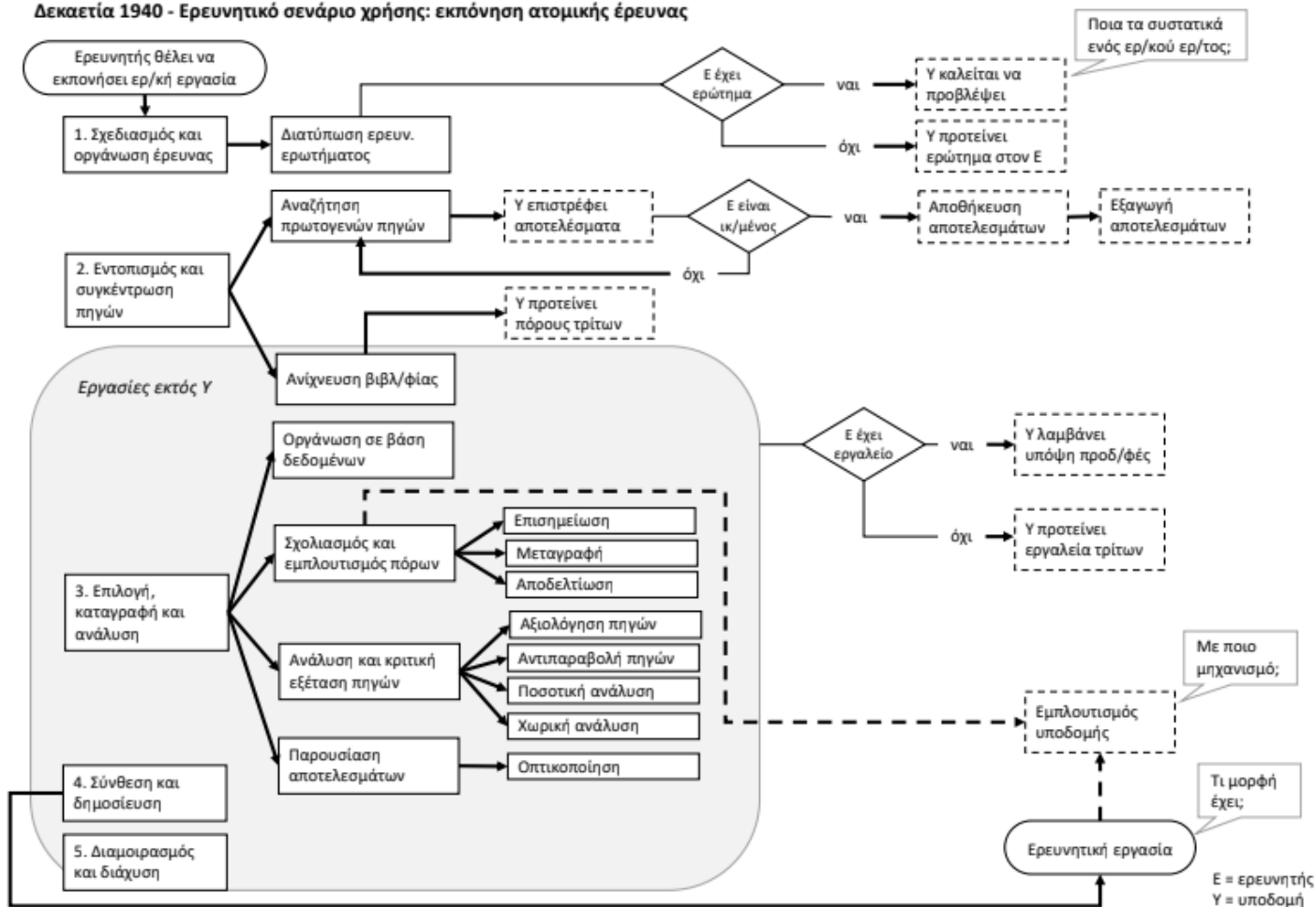
HUMANITIES THESAURUS: CAUGHT IN THE WEB

Alphabetical	Hierarchy	Groups
69 Inscriptions (Epigraphy)	381 Private inscriptions	746 Curse tablets
795 Contracts (Private inscriptions)	905 Signatures of artists (Private inscriptions)	981 Dedicatory inscriptions
983 Funerary inscriptions	1344 Funerary epigrams	1021 Oracles (Private inscriptions)
1045 Manumission inscriptions	1653 Graffiti (Private inscriptions)	569 Religious inscriptions
584 Public inscriptions	1472 Ethnic (Numismatics)	



THE 1940S: A MONOTHEMATIC 'WAR OF DATA'

Δεκαετία 1940 - Ερευνητικό σενάριο χρήσης: εκπόνηση ατομικής έρευνας



SEE YOU AT...

Session 16:00-17:30

Presentation: 17:00-17:15

Archiving and enriching data

Chair: Tomasz Parkoła

Warsaw University Library: 315

GIS in gathering information from historical sources

Michał Gochna, Grzegorz Myrda

Department of the Historical Atlas
Institute of History, Polish Academy of Sciences

Session: Digital collections and databases, 16.00-17.30, Room: 256

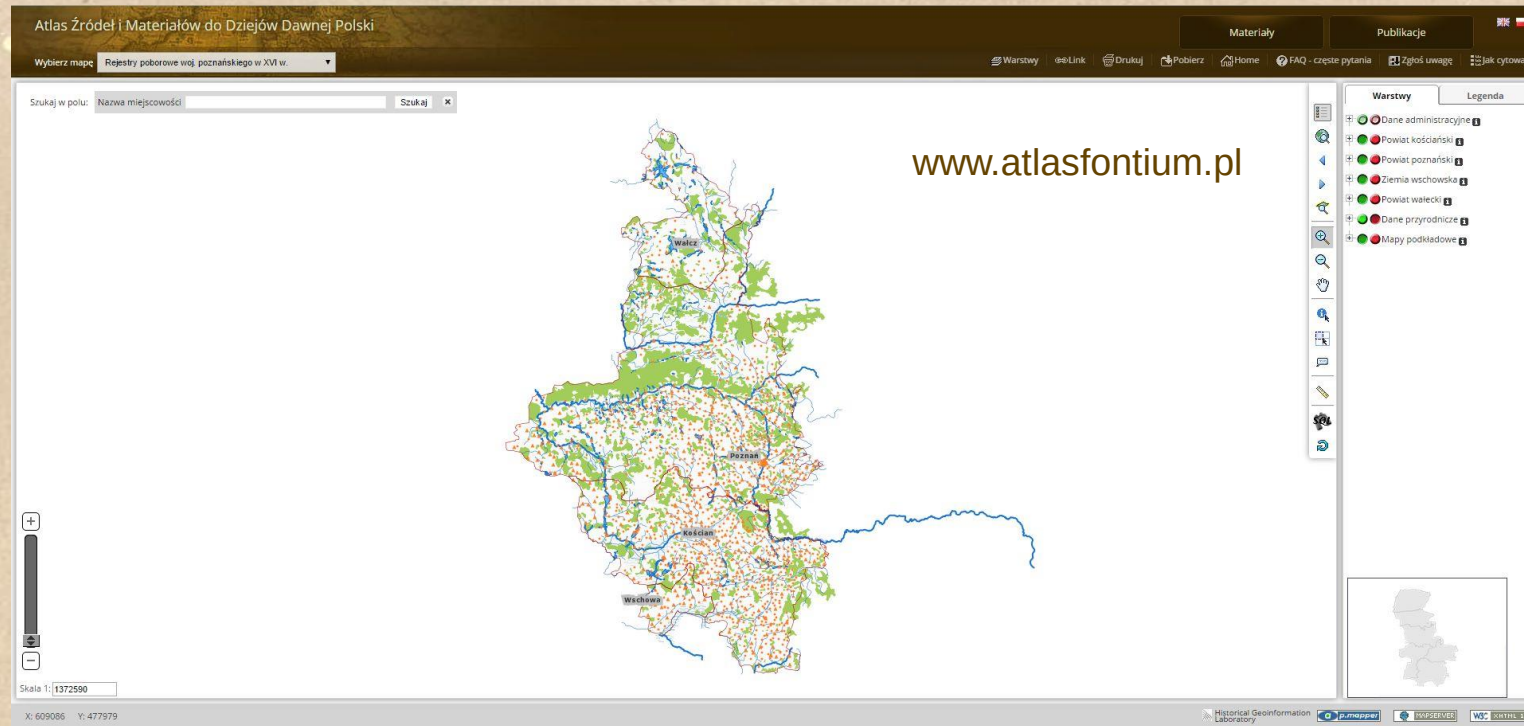
DIGITAL EDITION OF TAX REGISTERS

Gorszewicze q d Melchioris Sa skoleczky April: 18.								
A Manfio decem per	30	10						
A Hortulano duo cum agro	6							
A Hortulano duo	4							
Al Inquilino duo	2							
Komorowo n d stanislai Prusimsky April: 22								
A Manfio novem per	30	9						
A Manfio duo scilicet	30	1						
Wierzchaczewo n d Georgij Wierzh chuzewsky Maj 10								
A Manfio septem per	30	7						
A Manfio medio tabernali	15							
A Hortulano septem per	4							
Al Inquilino duo per	2							
Pastor ab omnibus	30	7						
Alter Pastor ab omnibus	20	4						
Manf. 30	Hortulan	Hortulan	Inquilini	Pastores				
restanti	ad agros	incolendi	pauperes	ab omnibus				
per 30	per 6	per 4	per 2	per 2				
27	1	8	3	50				
Summa. Lxxviii. ff 29 19								

1	id_osady	nazwa_16w	rok	data	data_zrd	sygn	str	link_do_skanu	nr_not	parafia	char_osady	nazw_zrd
248	Kazmierz_pzn_pzn	Kazimierz	1580			ASK I 6	104	Link	247	Kazimierz	[wieś]	Molendinum circa Kazimierz
249	Nowa_Wies_kzm_pzn_pzn	Nowa Wieś	1580	[1580.]04.02		ASK I 6	104	Link	248	Kazimierz	[wieś]	Nowawiesz
250	Gorszewice_pzn_pzn	Gorszewice	1580	[1580.]04.18		ASK I 6	104v	Link	249	Kazimierz	[wieś]	Gorszewicze
251	Komorowo_kzm_pzn_pzn	Komorowo	1580	[1580.]04.22		ASK I 6	104v	Link	250	Kazimierz	[wieś]	Komorowo
252	Wierzchaczewo_pzn_pzn	Wierzchaczewo	1580	[1580.]05.10		ASK I 6	104v	Link	251	Kazimierz	[wieś]	Wierzchaczewo
253	Sokolniki_Wielkie_pzn_pzn	Sokolniki Wielkie	1580	[1580.]04.18		ASK I 6	105	Link	252	Kazimierz	[wieś]	Sokolniki Wielkie
254	Sokolniki_Wielkie_pzn_pzn	Sokolniki Wielkie	1580	[1580.]04.22		ASK I 6	105	Link	253	Kazimierz	[wieś]	Sokolniki Wielkie
255	Przyborowo_pzn_pzn	Przyborowo	1580	[1580.]04.25		ASK I 6	105	Link	254	Kazimierz	[wieś]	Przyborowo maius
256	Przyborowko_pzn_pzn	Przyborówko	1580	[1580.]05.16		ASK I 6	105	Link	255	Kazimierz	[wieś]	Przyborowo minus
257	Myszkowo_pzn_pzn	Myszkowo	1580	[1580.]04.22		ASK I 6	105v	Link	256	Kazimierz	[wieś]	Myszkowo

Tax register of Poznań district, 1580

DIGITAL EDITION OF TAX REGISTERS



Tax Registers from the Voivodeship of Poznań in the 16th Century, Atlas Źródeł i Materiałów do Dziejów Dawnej Polski, 2015, No. 3, ed. by M. Słoń, The Tadeusz Manteuffel Institute of History of the Polish Academy of Sciences

Tax Registers from the Voivodeship of Kalisz in the 16th Century, Atlas Źródeł i Materiałów do Dziejów Dawnej Polski, 2015, No. 2, ed. by M. Słoń, The Tadeusz Manteuffel Institute of History of the Polish Academy of Sciences

DIGITAL EDITION OF TAX REGISTERS

Atlas Źródeł i Materiałów do Dziejów Dawnej Polski

Wybierz mapę: Rejestry poborowe woj. poznańskiego w XVI w.

Wynik

Warstwa: Granice powiatów

Warstwa: Miejscowości

Nazwa XVI w.	Odmianki	Nazwa w SHG	Nazwa współczesna
Skórzewo	Skórzewo Wielkie	Skórzewo	Skórzewo

Warstwa: Poznań 1553

Nazwa XVI w.	Nazwa źródłowa	Rok	Sygnatura	Karta - Skan	Rejestr	Charakter osady	Osoba
Skórzewo	Skorzeno Malus	1553	ASK I 5	Zobacz skan	Pobierz rejestr	[wieś]	

Warstwa: Poznań 1563

Nazwa XVI w.	Nazwa źródłowa	Rok	Sygnatura	Karta - Skan	Rejestr	Charakter osady	Osoba
Skórzewo	Skórzewo	1563	ASK I 5	Zobacz skan	Pobierz rejestr	[wieś]	

Warstwa: Poznań 1567

Nazwa XVI w.	Nazwa źródłowa	Rok	Sygnatura	Karta - Skan	Rejestr	Charakter osady	Osoba
Skórzewo	Skorzenko Małor	1567	ASK I 5	Zobacz skan	Pobierz rejestr	[wieś]	Maciej Skórzewski, Wawrzyniec Skórzewski
Skórzewo	Skorzenko Małor	1567	ASK I 5	Zobacz skan	Pobierz rejestr	[wieś]	Maciej Skórzewski, Wawrzyniec Skórzewski

Warstwa: Poznań 1576

Nazwa XVI w.	Nazwa źródłowa	Rok	Sygnatura	Karta - Skan	Rejestr	Charakter osady	Osoba
Skórzewo	Skórzewo	1576	ASK I 5	Zobacz skan	Pobierz rejestr	[wieś]	Dąbrowski

Warstwa: Poznań 1577

Nazwa XVI w.	Nazwa źródłowa	Rok	Sygnatura	Karta - Skan	Rejestr	Charakter osady	Osoba
Skórzewo	Skórzewo	1577	ASK I 5	Zobacz skan	Pobierz rejestr	[wieś]	Sebastian Dąbrowski

Skala 1:124120

X: 343102 Y: 497304

Galeria zdjęć - Google Chrome

hgisb.kul.lublin.pl/azm/galeria.php?gn=ASKI5&imgName=716.JPG

<< Poprzedni | Następny >>

Skorzeno Parochia.

Die 15 Octobris Sclafani Dambowia a mofis 15 2 20

Horland 3 per 2

Skorzenko

Die 15 Octobris Sclafani Dambowia a mofis 15 2 20

Horland 3 per 2

Lamiza

Dambowia

Die 15 Octobris Sclafani Dambowia a mofis 15 2 20

Horland 3 per 2

<< Poprzedni | Następny >>

Warstwy

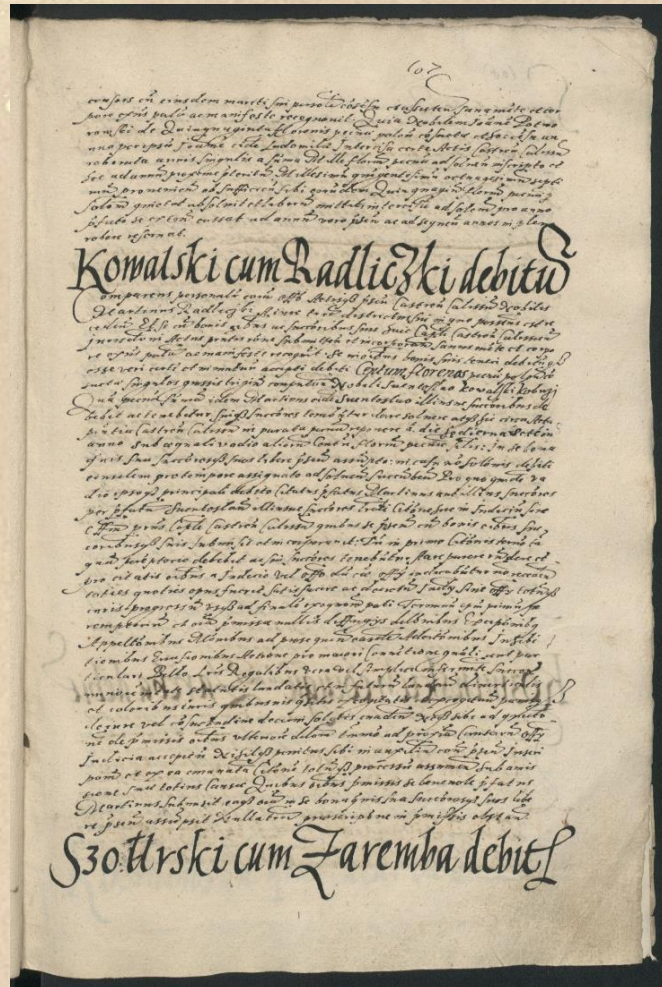
Legenda

- Dane administracyjne
- Powiat kościański
- Powiat poznański
- Poznań 1553
- Poznań 1563
- Poznań 1567
- Poznań 1570
- Poznań 1576
- Poznań 1577
- Poznań 1580
- Poznań 1581
- Poznań 1583
- Ziemia wyschowska
- Powiat walecki
- Dane przyrodnicze
- Mapy podkładowe

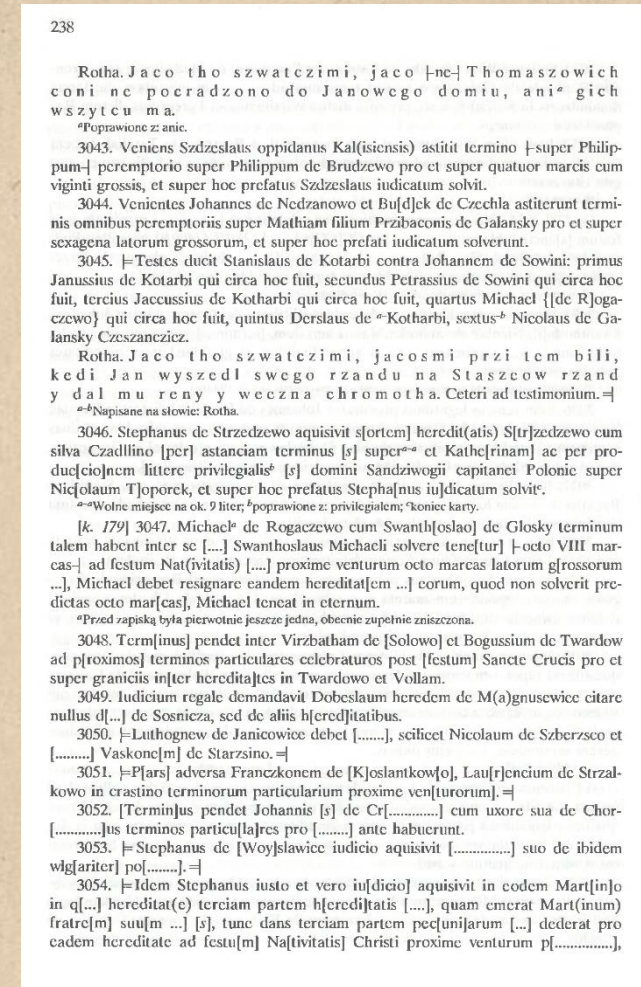
Tax Registers from the Voivodeship of Poznań in the 16th Century, Atlas Źródeł i Materiałów do Dziejów Dawnej Polski, 2015, No. 3, ed. by M. Słoń, The Tadeusz Manteuffel Institute of History of the Polish Academy of Sciences

Tax Registers from the Voivodeship of Kalisz in the 16th Century, Atlas Źródeł i Materiałów do Dziejów Dawnej Polski, 2015, No. 2, ed. by M. Słoń, The Tadeusz Manteuffel Institute of History of the Polish Academy of Sciences

COURT BOOKS



Scan of manuscript



Full-text transcription

INDXR

Źródła danych

Paginacja

Co nowego?

Podręcznik użytkownika

Zmiany w aplikacji

lutry 2018
- Dodanie przycisku z pobieraniem zapisek i hasel w formacie CSV (np.Excel).

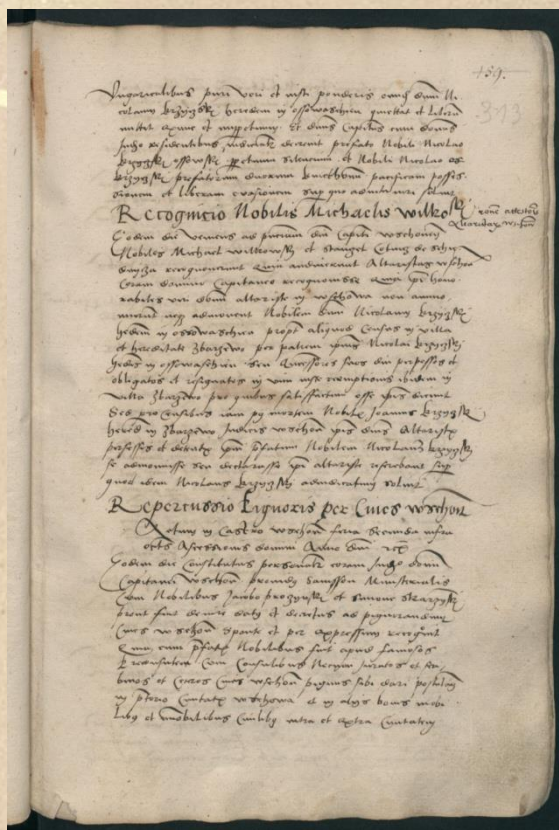
styczeń 2018
- Mapa - dodanie granic województw, ziem, powiatów, parafii.

- Postprocessing (automat bazodanowy): wyznaczanie nr zapiski na stronie obrazu

typ_hasla	transliteracja	forma_znormalizowana	id_osady	typ_id_ob	podtyp_hasla	inf_dod	haslo_powiazane	user_name	last_date
osobowe	nob. Mathias Lipski				szlachecki			gochna	2016-06-07T12:32:4
osobowe	Serenissimi sanctae memoriae Regis nostri Stephani	Stefan Batory			szlachecki	król Polski		gochna	2016-06-07T11:13:0
rzeczowe	gen. et nob. Laurentio Belenski Vicecapitaneo et Burgrabio Iurato Castrensis Calissiensis	Wawrzyniec Bieliński			szlachecki	podstarości kaliski, burgrabia kaliski		gochna	2016-06-08T21:03:2
	Srodam ad conventionem particularem	seimik ziemski średzki							

Zablokuj Szukaj

DATABASE



court books

other editions

tax registers

database

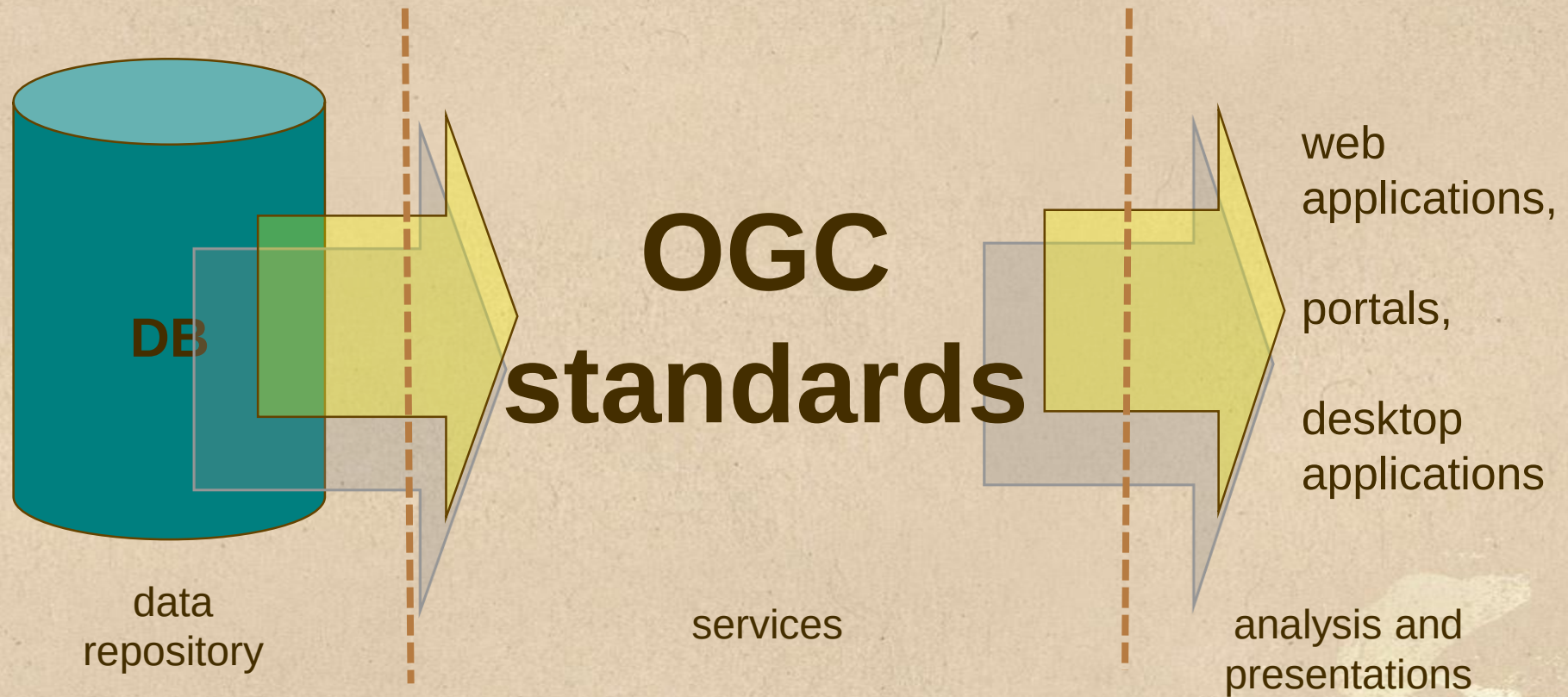
secondary literature

Villa Starzewo Joas Crachy Anno 1513	
Mansi agri 8 per 20	ft 5
Hortulani 3 per 20	6
Inquilini 4 per 20	8
Molendini ventile hereditarii	10
Molendini ventile manvile	5
Taberna hereditaria	20
Ex sorte Nicolay kraczy Anno 1513 ipso die	
Mansi Agri 4 per 20	ft 2
Hortulani 3 per 20	6
Villa Golancze Golanczy Anno 1513	
Mansi Agri 4 cul medio per 20	ft 3
Molendini ventile hereditarii	10
Molendini ventile manvile	5
Inquilini 2 per 20	4
Taberna Manvile	10
Villa Jezewiczec eijus Golanczy Anno et die quo supra	
Mansi Agri 14 cul medio per 20	ft 20
Hortulani 6 per 20	12
Inquilini 2 per 20	4
Taberna hereditaria	20
Villa Niczlov eijus die et Anno q supra	
Mansi Agri 17 cul medio per 20	ft 21
Molendini ventile hereditarii	10
Hortulani 6 per 20	12
Taberna hereditaria	20

IDEA

Common (Spatial) Database serving as a
single datasource for all applications,
services, portals, map editions.

DATA ACCESS

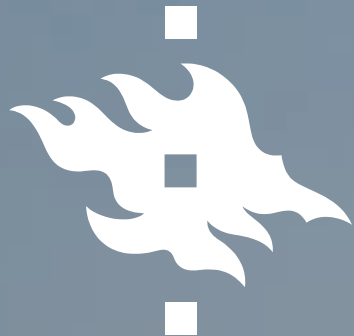


<http://www.opengeospatial.org/standards/wms/introduction>

Thank You

mgochna@wp.pl

grzemy@gmail.com



DARIAH-EU Annual Event

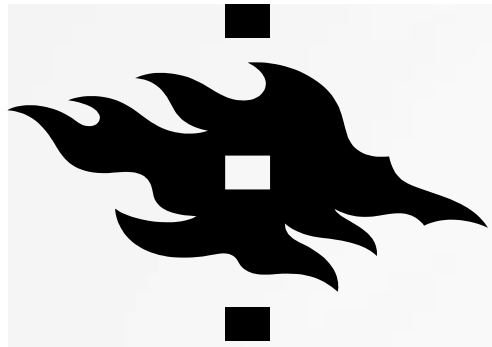
16th May 2019

ARCHAEOLOGY AND OPEN DATA

A step towards decolonization

Marta Lorenzon

marta.lorenzon@helsinki.fi

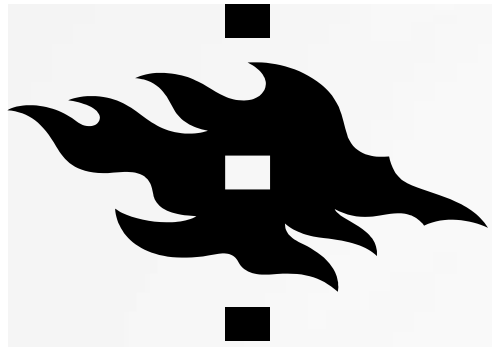


THE ARCHAEOLOGICAL PROCESS

Excavation

Analysis

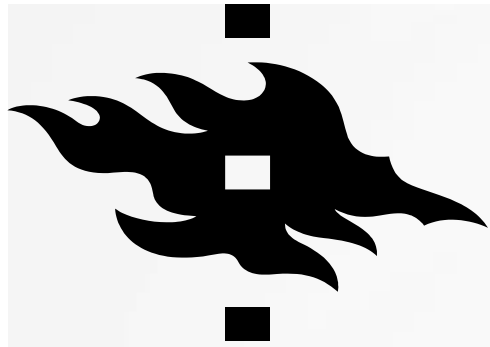
Publication



ARCHAEOLOGICAL DATA

- Qualitative and quantitative
- Raw data and interpretation
- Long-term preservation





DECOLONIZING ARCHAEOLOGY

- Who owns the data?
Legal and Ethnical questions

->

- How can we decolonize archaeology? -
>Data Dissemination





WHAT NEXT?

Openness and access to data



2. Methodological developments in response to data heterogeneity

- Manuel Alcantara-Pla: Challenges of Digital Data for Linguistics: New Units and Hidden Processes
- Enrico Daga: Finding listening experiences in books
- Michal Kozak: PROgressive VISual DECision-Making in Digital Humanities: Towards Uncertainty Annotation in TEI
- Agnieszka Kaliszewska: How similar, how different? The problems of quantification of similarity in archaeological research- the example of ancient pottery

Challenges of Digital Data for Linguistics

Manuel Alcántara-Plá
manuel.alcantara@uam.es
www.worldslab.eu

Archiving and enriching data (Library 315)

Digital Discourses (CMC)

(at www.worldslab.eu)



Digital Data for Linguists

- Huge amount of data

Digital Data for Linguists

- Huge amount of data
- Native digital data

Digital Data for Linguists

- Huge amount of data
- Native digital data
- Easily stored, copied, and modified

Digital Data for Linguists

- Huge amount of data
- Native digital data
- Easily stored, copied, and modified
- Updated

5 Challenges

Context and metadata

5 Challenges

Context and metadata

- Remediation

5 Challenges

Context and metadata

- Remediation
- Multimodality

5 Challenges

Context and metadata

- Remediation
- Multimodality
- New units of analysis

5 Challenges

Context and metadata

- Remediation
- Multimodality
- New units of analysis
- Affordances

5 Challenges

Context and metadata

- Remediation
- Multimodality
- New units of analysis
- Affordances
- Licences

Challenges of Digital Data for Linguistics

Manuel Alcántara-Plá
manuel.alcantara@uam.es
www.worldslab.eu

Archiving and enriching data (Library 315)

Finding listening experiences in books

Enrico Daga and Enrico Motta

The Open University (UK)



DARIAH EU Annual Event
Warsaw, 16th May 2019

The LED Project



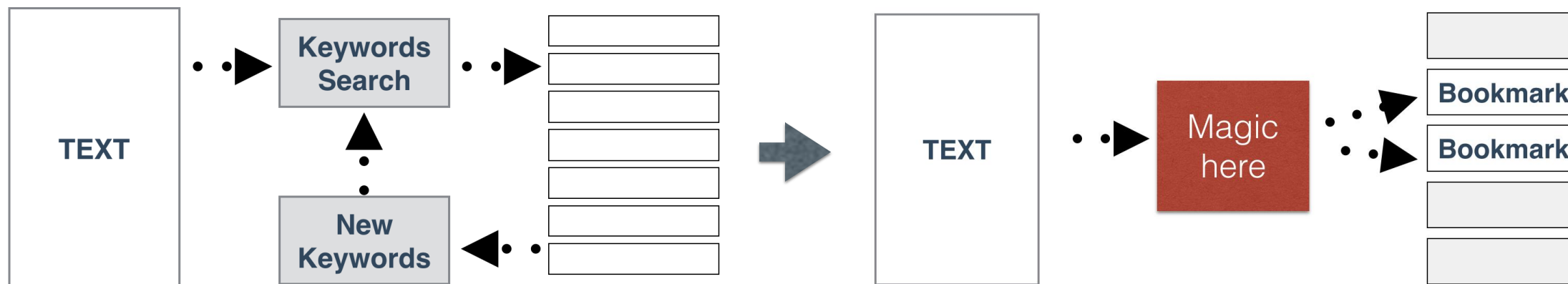
- An open and freely searchable **database** that brings together a mass of data about people's experiences of listening to music of all kinds, in any historical period and any culture [1].
- Sophisticated data model, *natively* in RDF / SPARQL
- Linked Open Data: <http://data.open.ac.uk/context/led> [2]
- Since 2012, the LED project has collected **over 10,000 unique listening experiences** from a variety of textual sources

<https://led.kmi.open.ac.uk/>

Listening experiences

- **What is a listening experience?**
- An account of an event involving music and one or more participants
 - *"Introduced to the Anacreontic Society, consisting of amateurs who perform admirably the best orchestral works. The usual supper followed. After propitiating me with a trio from 'Cosi Fan Tutte', they drew me to the piano."*
 - *"The best choir-singing, (Roman Catholic) without accompaniment, we have heard, was at Munich."*
 - *"Holland is the country of bells; and the merry chimes are to be heard hourly, from almost every church-tower or steeple."*
- All three constitute a report of an experience of a core subject: **music**.

Problem statement



- Acquiring evidence from texts requires effort, expertise, and it is time consuming
- The activity is exploratory, or based on an a-priori knowledge of the source
- The overall process is not systematic

Source: THE QUAIN COMPANIONS.txt.form-data.-1

122 traces of listening experiences found.

Skepticism: 90/100 - Increase to obtain less results.



How disagreeable they would make the journey! Bee I did actually see the other day, in the Hampstead tube; she did not look up, but I knew that it was Bee. And how admirable, too, is Professor Sorrenford and his comic opera!

1 FEEDBACK: [thumbs up] [thumbs down] [question mark] [checkmark] [x] [share]

H.G. WELLS. CHAPTER I

Lee had not returned from the concert alone. Gregarious at all times, he never found solitude so little to his taste as when he left the platform--when he was still excited by the fervour of his voice and the public's applause.

2 FEEDBACK: [thumbs up] [thumbs down] [question mark] [checkmark] [x] [share]

Neither of the other men in the room saw it. Indeed she lingered there only an instant--just for a heart-beat--though some enchantment played upon the scene after she had gone. Lee turned in his chair, and followed



Discover more at

Archiving and enriching data

16.00 , Room 315



3. Research Infrastructures in the service of Digital Humanities and Open Scholarship

- Jolanta Stepniak : The Base of Knowledge in the field of humanities, a new tool to share data and information and to support research management
- Alessia Bardi: The DARIAH-EU and OpenAIRE collaboration on Open Science publishing practices
- Femmy Admiraal: Visual Analytics of the DARIAH in-kind contributions
- Francesca Morselli: Sustainability beyond guidelines

The Base of Knowledge in the field of humanities – a new tool to share data and information and to support research management

Jakub Koperwas (WUT)
Łukasz Kobyliński (ICS PAS)
Jolanta Stępnia (Sages)



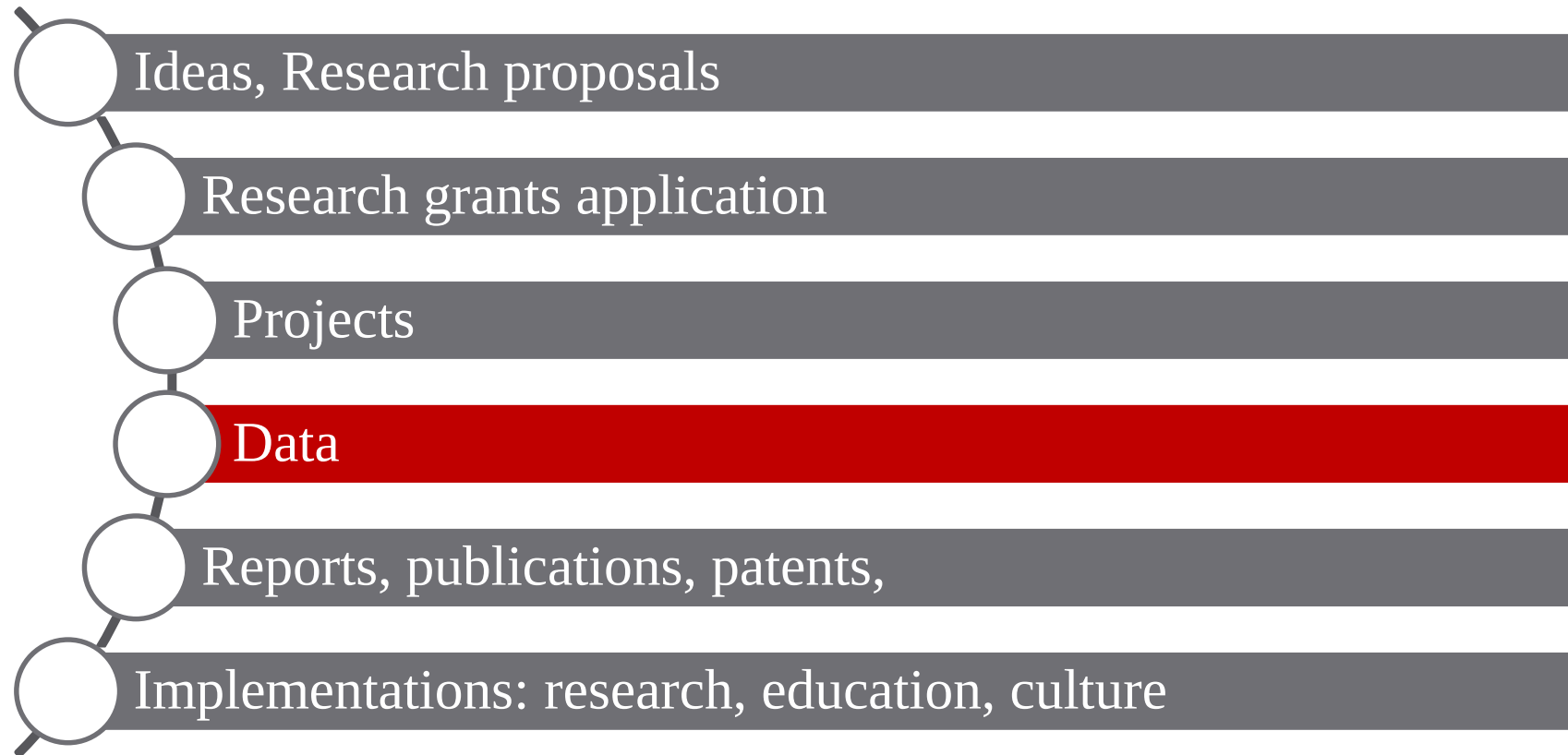
sages

Data

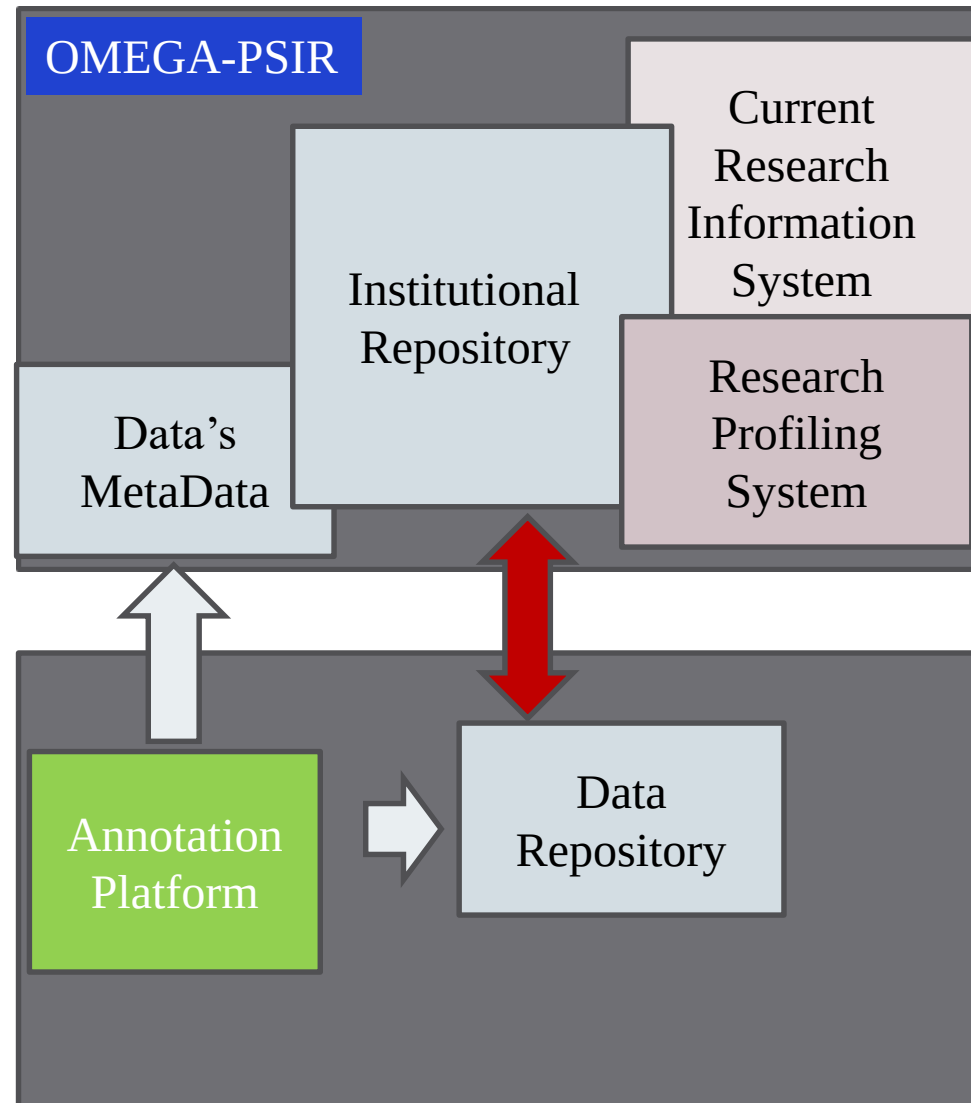


“Doubt thou the stars are fire;
 Doubt that the sun doth move;
 Doubt truth to be a liar;
 But never doubt I love.”
 — William Shakespeare, [Hamlet](#)

Complete research lifecycle



Ecosystem of research



Commission Recommendation (EU) 2018/790 of 25 April 2018

Recommendation to EU countries:

- ✓ academic institutions receiving public funding develop **policies on the preservation** of their scientific output
- ✓ publications resulting from public funding are easily identifiable by appropriate technical means, including through **metadata attached to electronic versions** of the research output and persistent identifiers
- ✓ Member States should set and implement clear policies (as detailed in national action plans) for **the management of research data resulting** from publicly funded research, including open access
- ✓ **research and career evaluation** systems are enriched through the introduction of additional indicators and **metrics** that can inform assessment on **openness**, including but not only on the broader social impact of research and at the individual level of a researcher ('new generation metrics')

<http://data.europa.eu/eli/reco/2018/790/oj>

Knowledge Base of the University of Gdańsk



Search Repository ▾ Units & people ▾ Research ▾ Other achievements ▾ Conferences ▾ Journals and series Base of Knowledge



⋮ Login

Profile Statistics Top employees Internal cooperation External cooperation



Faculty of Languages

University of Gdańsk
Homepage

Professors	106
Assistant Professors	133
Other Staff	100
PhD students	390
Publications	9241
Supervised PhD theses	3



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**You are welcome to
learn more during
Technical Solutions
Session at 16:00-17:00
room 316**



j.stepniak@sages.io

**Warsaw University
of Technology**

Recomended for further exploring:

Base of Knowledge

Warsaw University of Technology

<http://repo.bg.pw.edu.pl/index.php/en>



sages

The DARIAH-EU and OpenAIRE collaboration on Open Science publishing practices

Miriam Baglioni¹, Alessia Bardi¹,
Paolo Manghi¹, Pedro Principe²,
Erzsebeth Toth-Czifra³, Andre
Vieira²

¹ ISTI-CNR, Italy

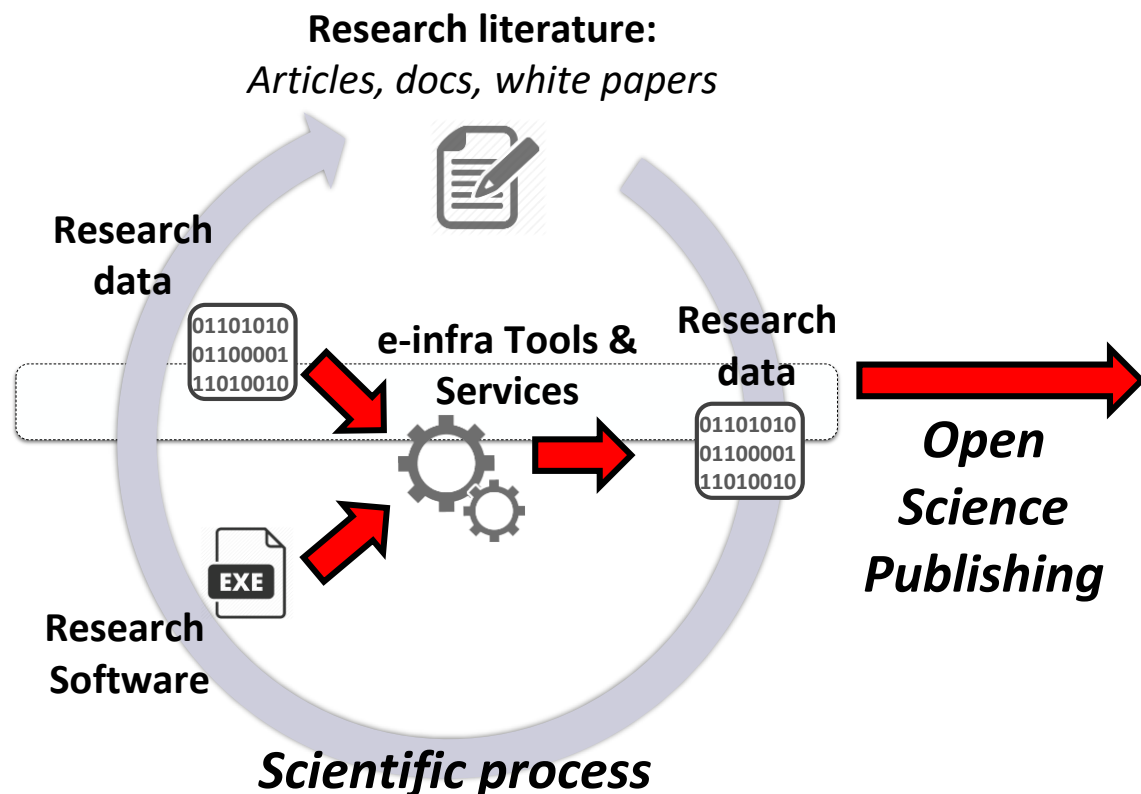
² University of Minho, Portugal

³ DARIAH

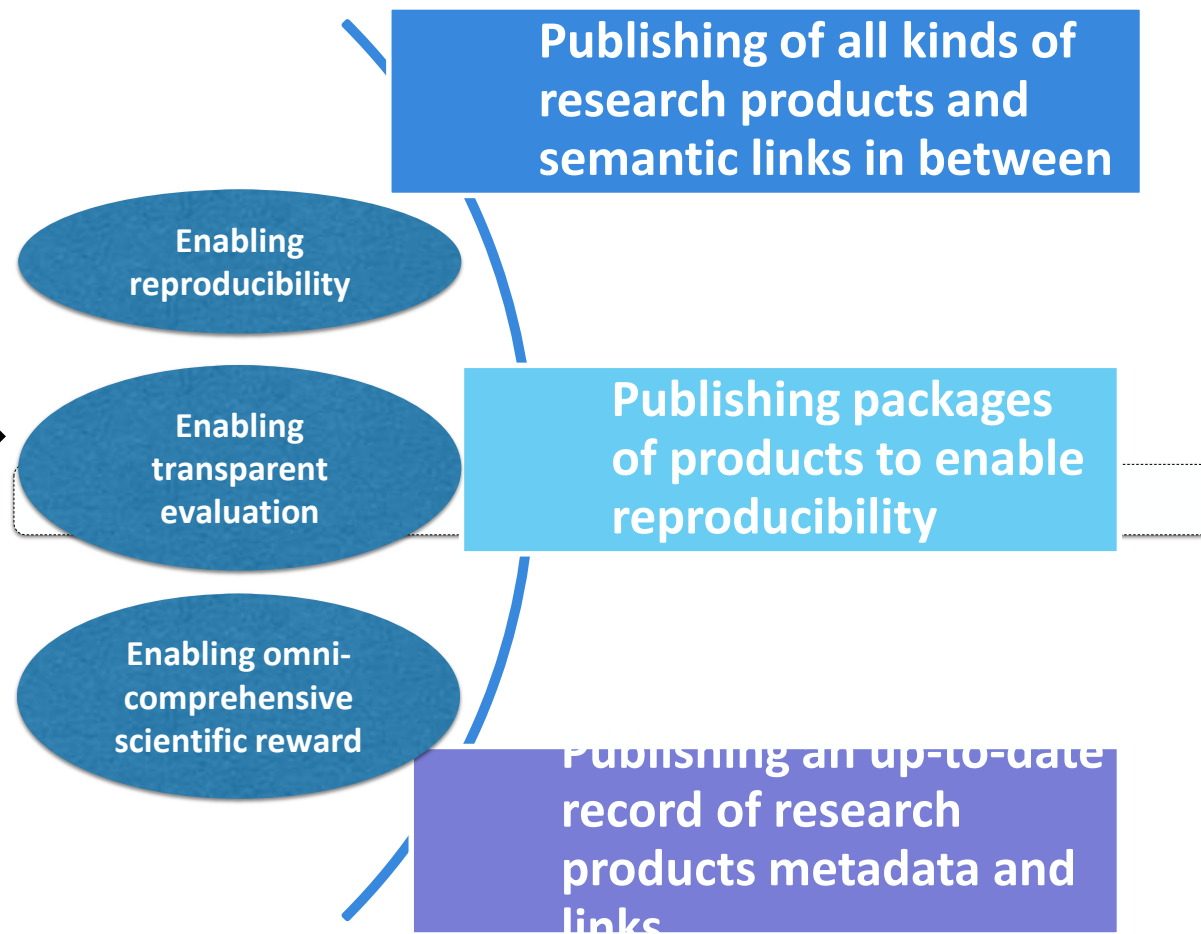
Infrastructures and beyond

Open Science publishing: principles and waivers

Research Infrastructures



Scholarly Communication Infrastructure



Barriers

- Focus (funding) is not on scholarly communication practices
- Reward policies focus on research literature
- Lack of tools for Open Science publishing in Research Infrastructures
- Research communities lack culture on Open Science publishing
- Research outcome scattered across repositories



Digital Research Infrastructure for
the Arts and Humanities



Open Access Infrastructure for
Research in Europe



Infrastructures and
beyond



Digital Research Infrastructure for
the Arts and Humanities



Open Access Infrastructure for
Research in Europe



Infrastructures and
beyond

Uptake of Open Science
publishing practices

MONITOR

Research Impact
Report to funders

All the research **EXPLORE**
outcome of DARIAH

... and link them

DEPOSIT ANYTHING



DEVELOP

On demand publishing on services of
Research Infrastructures

A gateway to Open Science

A virtual environment to implement Open Science publishing practices



Infrastructures and
beyond

Thank you!

See full presentation of Miriam Baglioni at the
Infrastructures and beyond session



DARIAH

Contributions

In-kind contributions

Activities and Services



-
A visual walk through the
Contribution tool



DARIAH Contribution tool

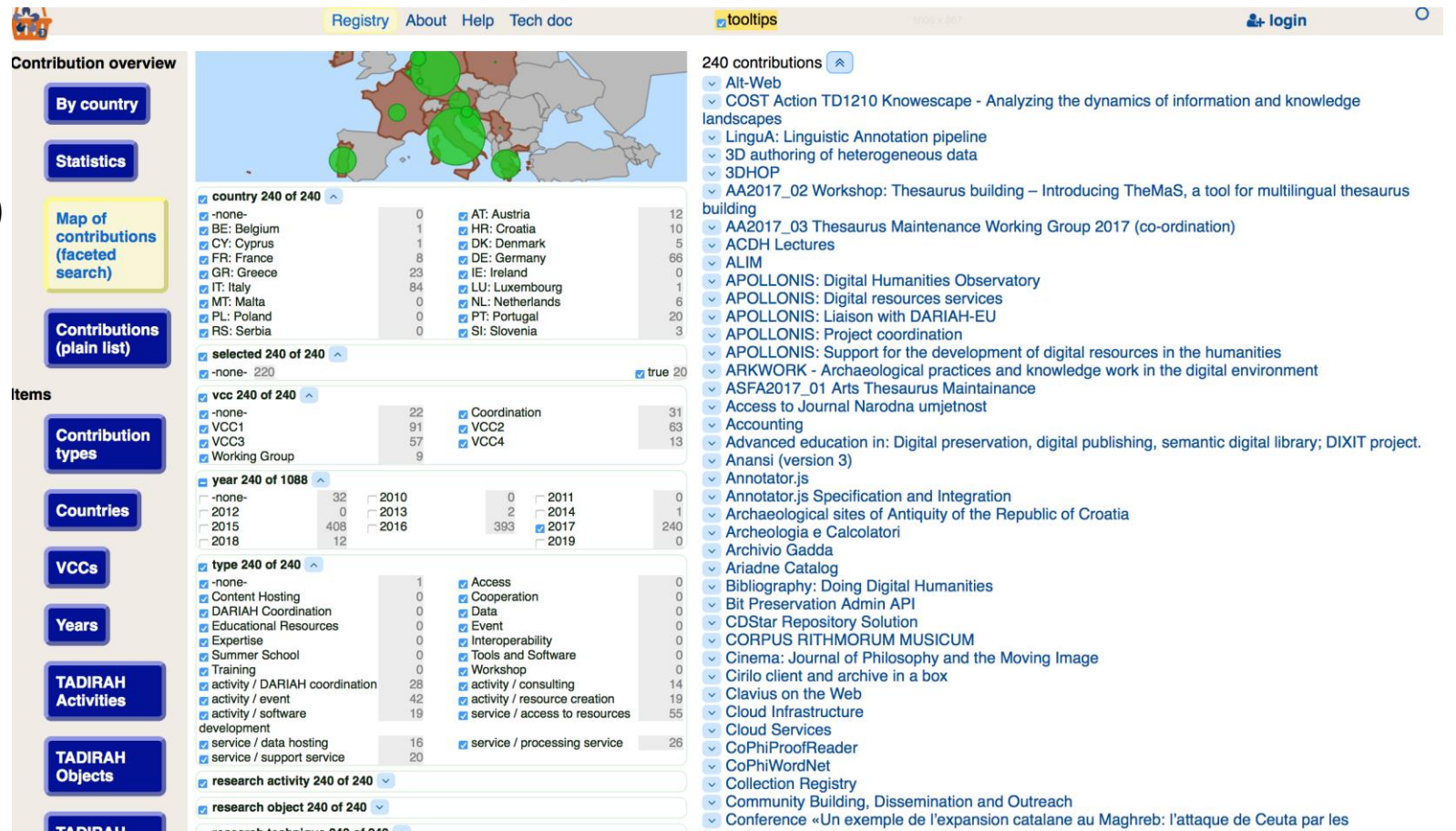
From the countries to the ERIC
In a standardized form (metadata)
Evaluatable

HaS 2017

New data model as part of a
reference architecture
Web-based tool

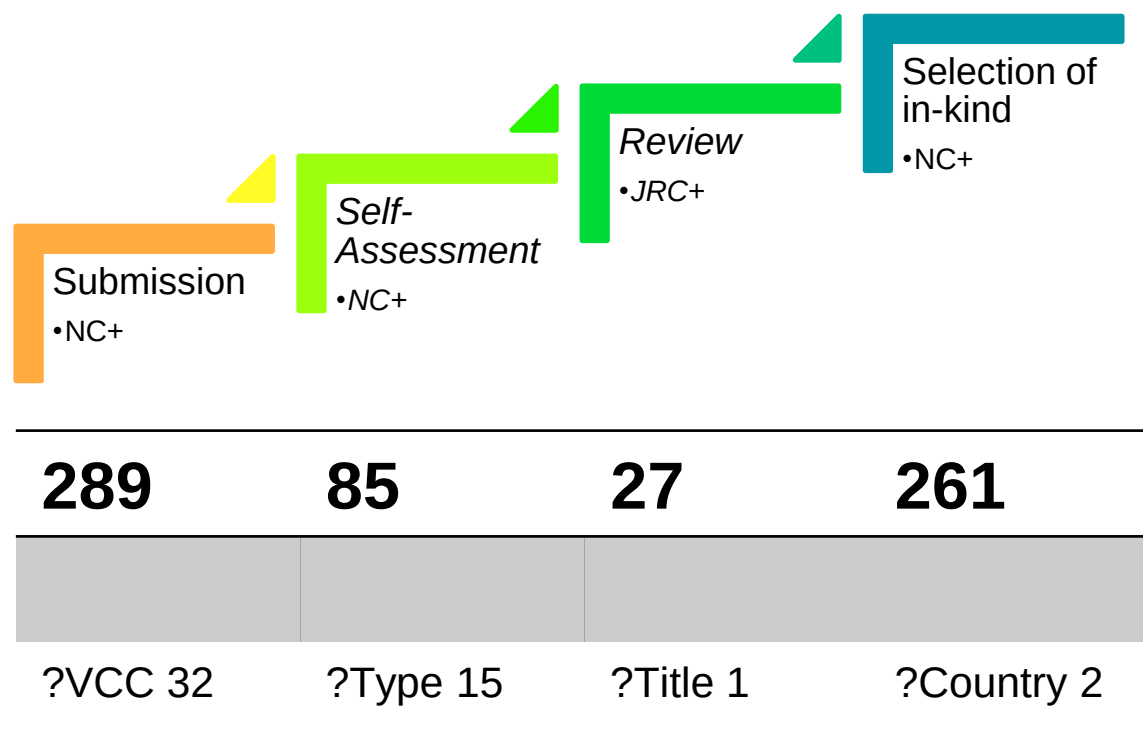
2018-August 2019

Implementation project



The screenshot shows the DARIAH Contribution tool interface. The top navigation bar includes links for Registry, About, Help, Tech doc, tooltips, and a login button. The main content area is titled "Contribution overview" and features a sidebar with filters: "By country", "Statistics", "Map of contributions (faceted search)", "Contributions (plain list)", "Contribution types", "Countries", "VCCs", "Years", "TADIRAH Activities", "TADIRAH Objects", and "TADIRAH". The main area displays a map of Europe with green circles indicating contribution density. Below the map, there are several filter sections: "country 240 of 240", "selected 240 of 240", "vcc 240 of 240", "year 240 of 1088", "type 240 of 240", "research activity 240 of 240", and "research object 240 of 240". Each section shows a list of items with checkboxes and counts. On the right side, there is a list of 240 contributions, including "Alt-Web", "COST Action TD1210 Knowscape", "LinguA: Linguistic Annotation pipeline", "3D authoring of heterogeneous data", "3DHOP", "AA2017_02 Workshop: Thesaurus building", "AA2017_03 Thesaurus Maintenance Working Group 2017", "ACDH Lectures", "ALIM", "APOLLONIS: Digital Humanities Observatory", "APOLLONIS: Digital resources services", "APOLLONIS: Liaison with DARIAH-EU", "APOLLONIS: Project coordination", "APOLLONIS: Support for the development of digital resources in the humanities", "ARKWORK - Archaeological practices and knowledge work in the digital environment", "ASFA2017_01 Arts Thesaurus Maintenance", "Access to Journal Narodna umjetnost", "Accounting", "Advanced education in: Digital preservation, digital publishing, semantic digital library; DIXIT project", "Anansi (version 3)", "Annotator.js", "Annotator.js Specification and Integration", "Archaeological sites of Antiquity of the Republic of Croatia", "Archeologia e Calcolatori", "Archivio Gadda", "Ariadne Catalog", "Bibliography: Doing Digital Humanities", "Bit Preservation Admin API", "CDStar Repository Solution", "CORPUS RITHMORUM MUSICUM", "Cinema: Journal of Philosophy and the Moving Image", "Cirilo client and archive in a box", "Clavius on the Web", "Cloud Infrastructure", "Cloud Services", "CoPhiProofReader", "CoPhiWordNet", "Collection Registry", "Community Building, Dissemination and Outreach", and "Conference «Un exemple de l'expansion catalane au Maghreb: l'attaque de Ceuta par les".

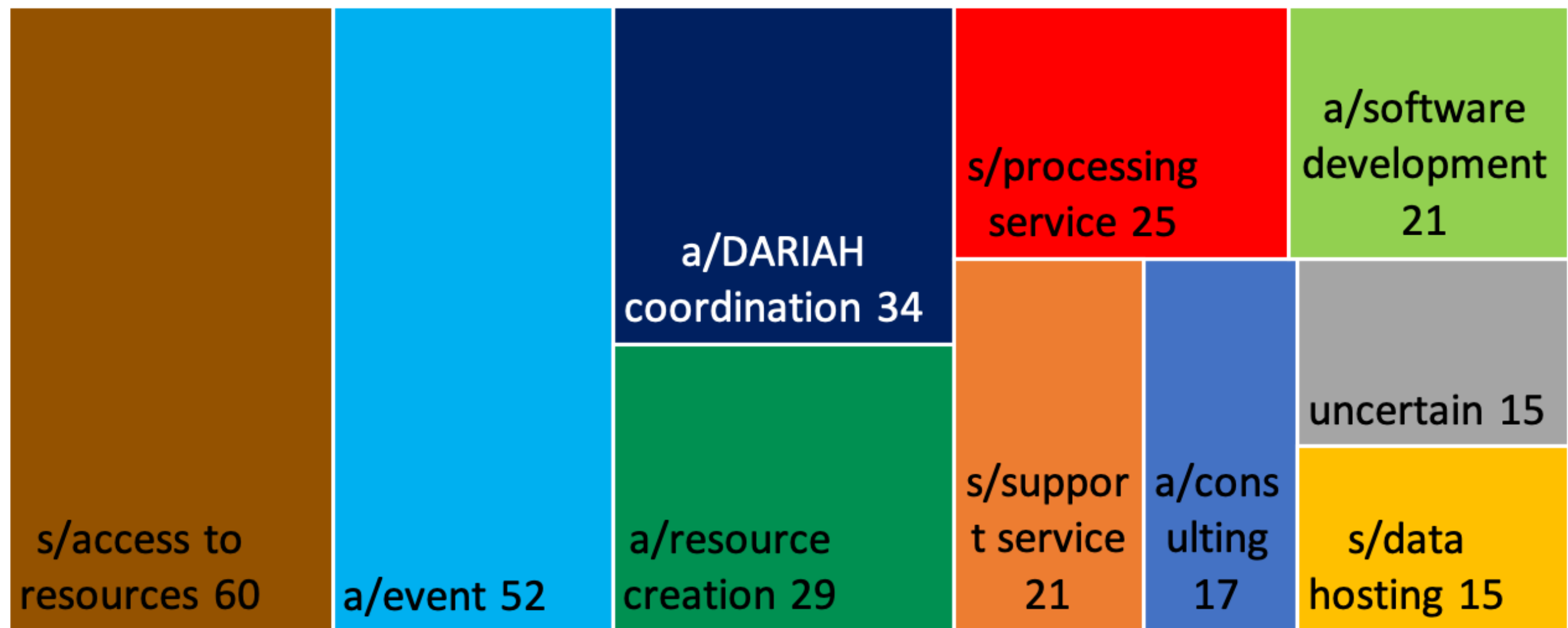
A lot of DARIAHns put work into the tool.
First (almost) complete year 2017



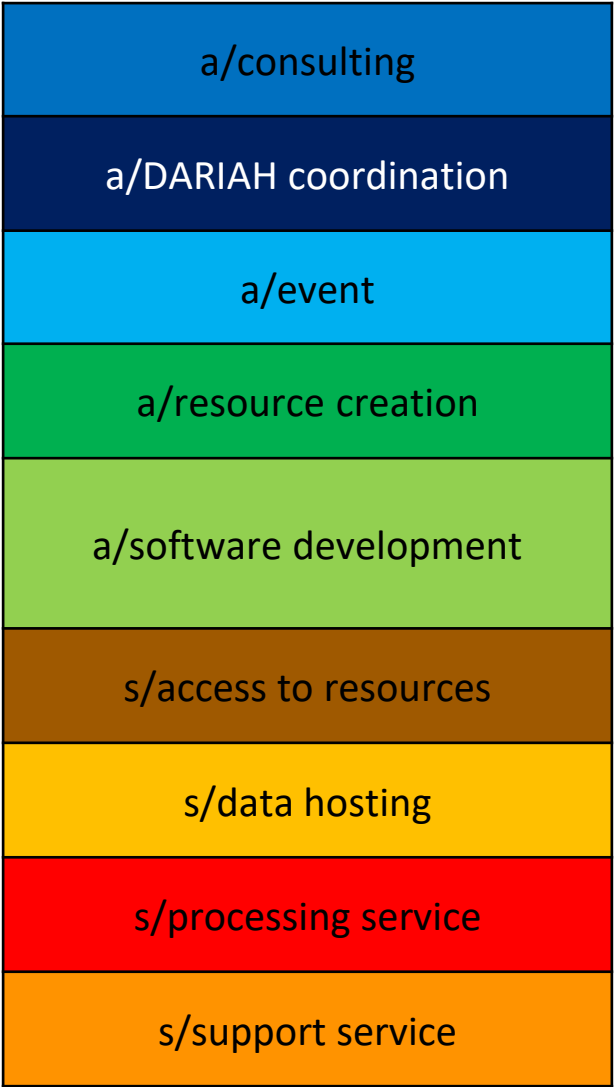
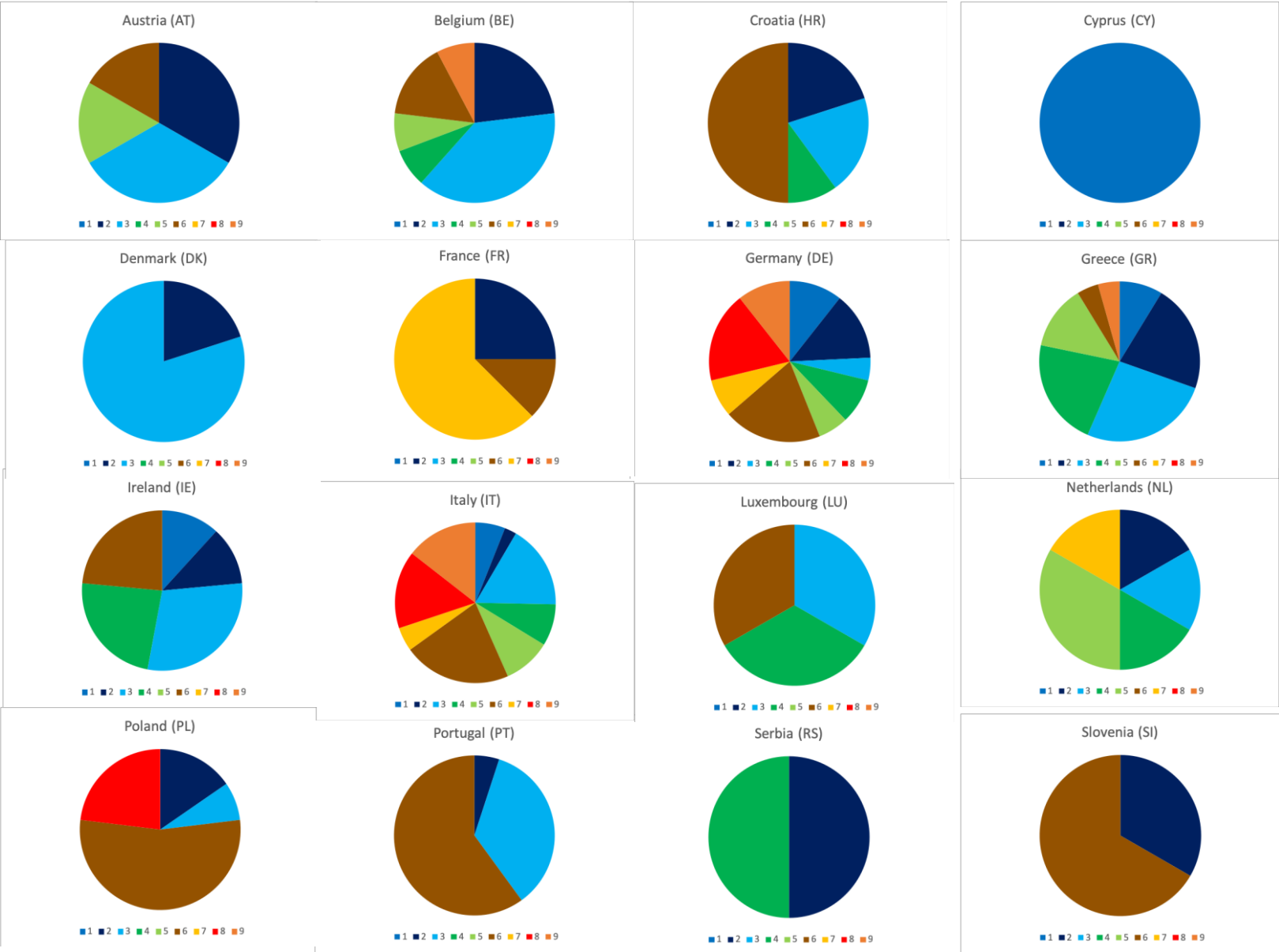
Overview submitted contributions 2017 per member state
(updated on 3 May 2019)

Member state	Number of contributions	Number of (self) assessed contributions
Austria	12	8
Belgium	13	2
Croatia	10	2
Cyprus	0	0
Denmark	5	0
France	8	6
Germany	66	27
Greece	23	0
Ireland	17	14
Italy	83	0
Luxembourg	3	0
Malta	0	0
The Netherlands	6	0
Poland	13	0
Portugal	20	19
Serbia	4	2
Slovenia	3	2

Type of contributions



Diversity - 2017



Outlook

Use of the data we have

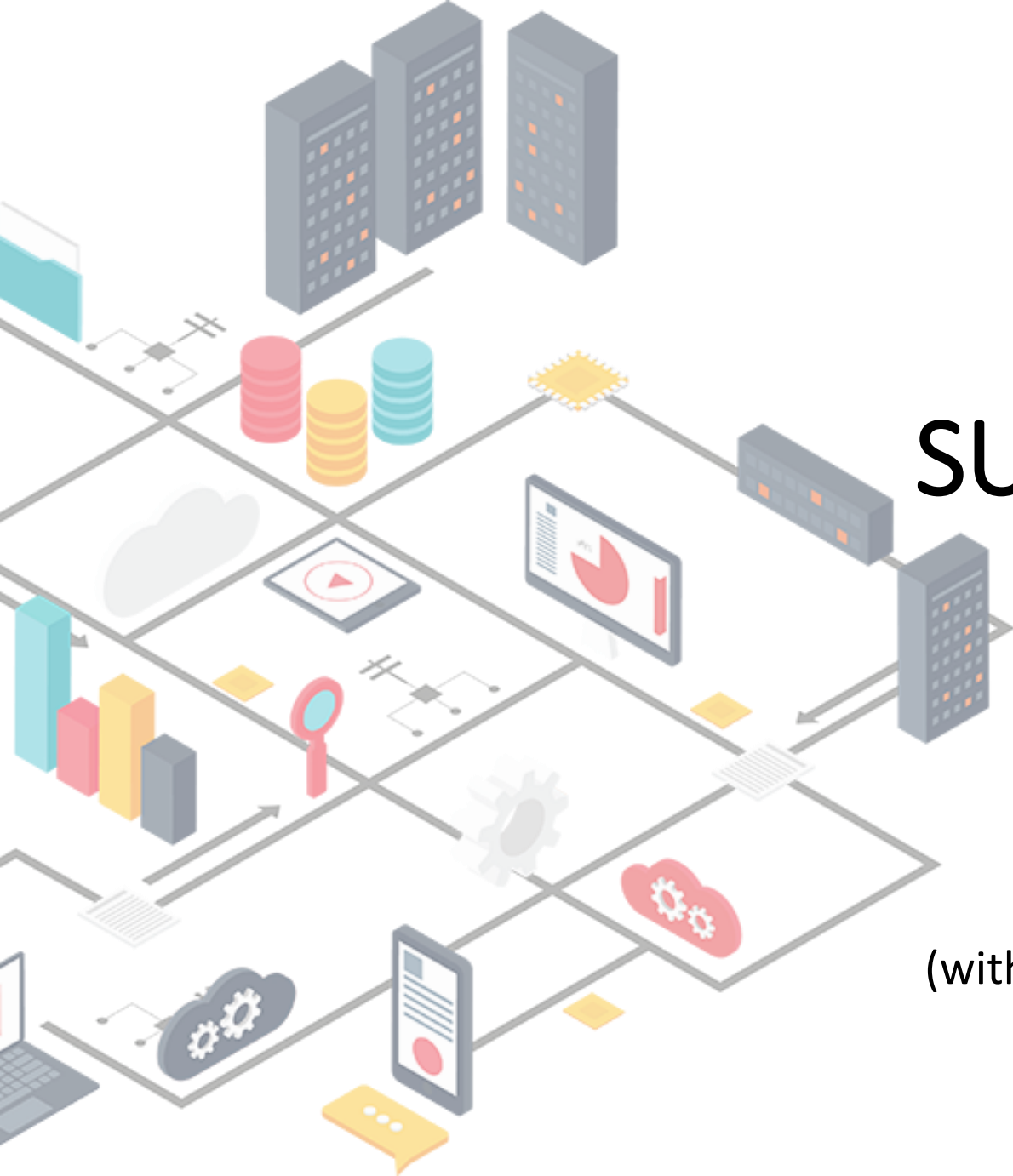
- Promote the tool properly
- Create a factsheet about all contributions per year (visual inventory), website/annual report
- Explore other facets with baseline statistics (disciplines, appearance of Working Groups, appearance of events)
- Devise a communication strategy (with the NC's) – feature contributions, check if events in the tool are also on the website etc.

Improving the workflow

- Improve the documentation (DL of the implementation project, will also contribute to harmonize the use of the tool to some extent - !keep the variety!)
- Organize NC workshops around the tool (similar to the WG Chair exchange)
- Organize a reviewer meeting (JRC led) to discuss criteria

Strategic discussions

- Tool is part of the STRAPL, link it to other points in the STRAPL
- Connection to SSHOC (Marketplace, tool as reservoir for Marketplace candidates)
- Solicit discussions about open issues around the tool (with the NCC: transnational contributions, temporality of contributions, with JRC/NCC/SMT/SB: national services which have a potential to be taken up as models for DARIAH.EU (example: Fachinformation Philosophie as DARIAH.DE, or which services to profile as DARIAH.EU services (and having SLA's with hosting institutions)? how important is the financial aspect?)
- Link to other registries (existing: Course registry, envisioned: publications, projects)



SUSTAINABILITY BEYOND GUIDELINES

How our perception of research infrastructures shapes our understanding of sustainability?

Presentation Francesca Morselli/Andrea Scharnhorst
(DANS, DARIAH CIO)
(with contributions by Jennifer Edmonds (Trinity, DARIAH)
and Mike Priddy (DANS))

DARIAH Annual Event – 15-17 May, Warsaw

Bertolt Brecht (1935) Fragen eines lesenden Arbeiters / Questions From A Worker Who Reads

Wer baute das siebentorige Theben?
In den Büchern stehen die Namen von Königen.
Haben die Könige die Felsbrocken herbeigeschleppt?
Und das mehrmals zerstörte Babylon,
Wer baute es so viele Male auf? In welchen Häusern
Des goldstrahlenden Lima wohnten die Bauleute?
Wohin gingen an dem Abend, wo die chinesische Mauer fertig war,
Die Maurer? Das große Rom
Ist voll von Triumphbögen. Über wen
Triumphierten die Cäsaren? Hatte das vielbesungene Byzanz
Nur Paläste für seine Bewohner? Selbst in dem sagenhaften Atlantis
Brüllten doch in der Nacht, wo das Meer es verschlang,
Die Ersaufenden nach ihren Sklaven.

Der junge Alexander eroberte Indien.
Er allein?
Cäsar schlug die Gallier.
Hatte er nicht wenigstens einen Koch bei sich?
Philipp von Spanien weinte, als seine Flotte
Untergegangen war. Weinte sonst niemand?
Friedrich der Zweite siegte im Siebenjährigen Krieg. Wer
Siegte außer ihm?

Jede Seite ein Sieg.
Wer kochte den Siegegesschmaus?
Alle zehn Jahre ein großer Mann.
Wer bezahlte die Spesen?

So viele Berichte,
So viele Fragen.

Who built Thebes of the seven gates?
In the books you will find the name of kings.
Did the kings haul up the lumps of rock?
And Babylon, many times demolished.
Who raised it up so many times? In what houses
Of gold-glittering Lima did the builders live?
Where, the evening that the Wall of China was finished
Did the masons go? Great Rome
Is full of triumphal arches. Who erected them? Over whom
Did the Caesars triumph? Had Byzantium, much praised in song,
Only palaces for its inhabitants? Even in fabled Atlantis
The night the ocean engulfed it
The drowning still bawled for their slaves.

The young Alexander conquered India.
Was he alone?
Caesar beat the Gauls.
Did he not have even a cook with him?
Philip of Spain wept when his armada
Went down. Was he the only one to weep?
Frederick the Second won the Seven Years' War.
Who Else won it?

Every page a victory.
Who cooked the feast for the victors?
Every ten years a great man.
Who paid the bill?

So many reports.
So many questions.

translated by M. Hamburger from Bertolt Brecht, Poems 1913-1956, Methuen, N.Y.,
London, 1976

This talk: Looking for the role of 'people' in the sustainability of Ris!

CENDARI sustainability – 2016

(together with Jennifer Edmonds, DARIAH-ERIC)

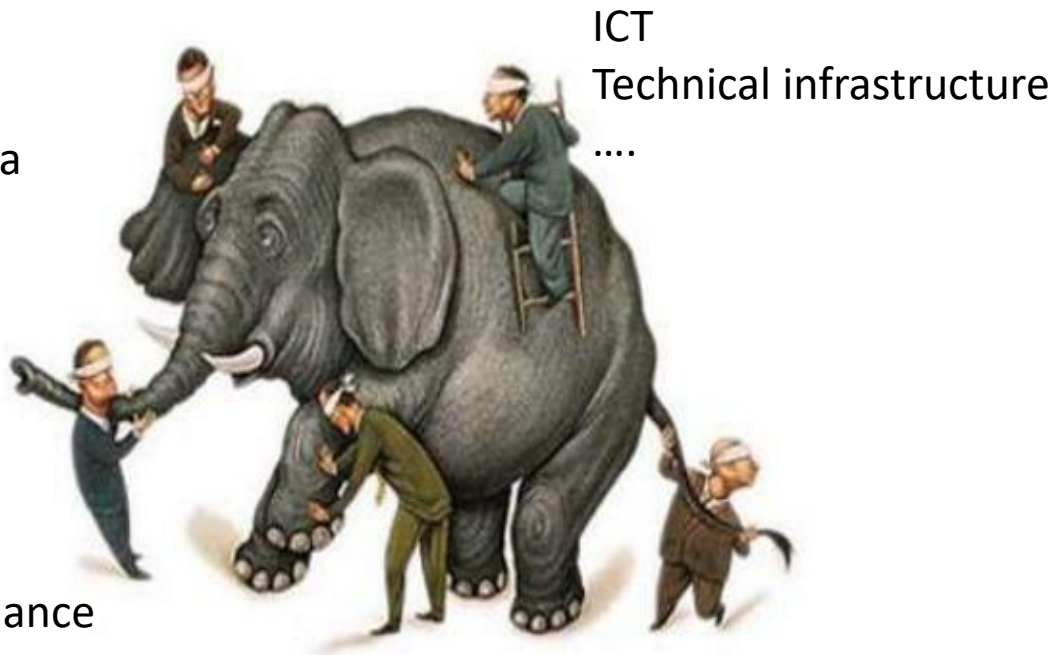
- Experience from the CENDARI Project: in 2016 presented a report on sustainability

→ New Paradigm:

- **Sustainability as a process** rather than a state
- Goal of sustainability is **transformation and reuse**
- There are many aspects of sustainability, but in fact you need to consider all of them. **People** is one of the aspects.

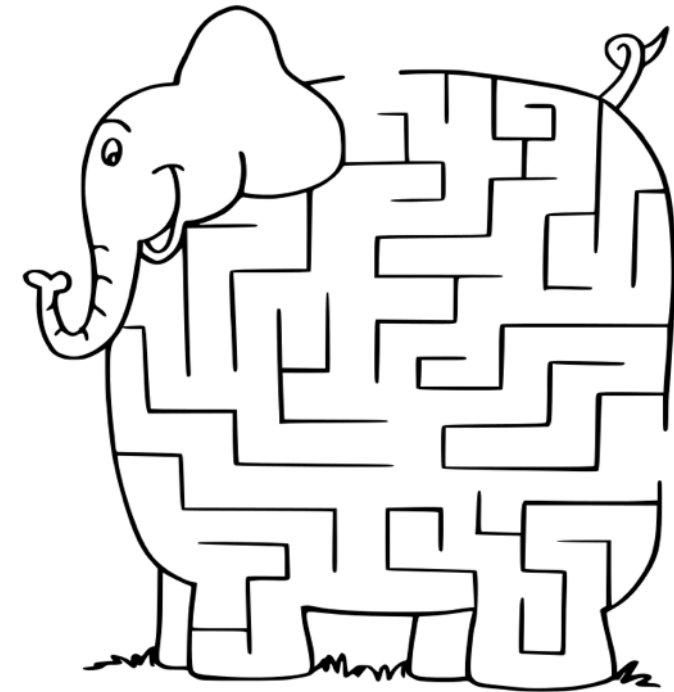
Factors influencing sustainability

Community
Research data
....



ICT
Technical infrastructure
....

Policy/ governance
Process
....



People talk about sustainability but they talk about different things without knowing or noticing!

Reference Architecture Models

(together with Mike Priddy, DANS-KNAW)

Why do we need architectures and what are they?

- Provide a **blueprint**, a clear and **unambiguous** description of the components and functioning of a RI, therefore it makes it easier to sustain the aspects of RIs
- Reference architectures help different stakeholders to **collaborate** and to communicate effectively
- A reference architecture comprises a **document** or set of documents which provide recommended structures and integrations of products and services

*Developed in the context of the project *Humanities At Scale (HaS)*

PEOPLE's actions make a RI and define its sustainability

How/where do they appear in a reference architecture?

The **communities** are described by community contracts which contain the **objectives**, **roles**, **policies**, **behavior** and **enterprise object types** of a community



Conclusions

Sustainability

- Is a process not a tickbox
- Needs early setting of goals
- Penetrates the architecture of a RI



Requires

- Documentation
- Institutions
- Human capital



Risks

- Ephemeral institutional settings
- Diverse roles, responsibilities, skills sets of the human capital involved

Both can inhibit the transfer of knowledge which is inherent to sustainability

Take away messages

- Key of sustainability are people
- Investments in people needs to be reflected in flexible organizational structures as well as in the developments of new development paths
- Formal descriptions of roles and functions can support the knowledge transfer, but people are much more than this.

Stable institutions, profound and agile education, defined career paths and functions are preconditions for sustainability

Whatever guidelines, business models, and alike we develop, we need people who understand them, execute them, change them!