

Implementing FAIR data practices and tools at Babeş-Bolyai University in Cluj-Napoca

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TRADITIO ET EXCELLENTIA





Facts & Aims



Babeş-Bolyai University in Cluj-Napoca

- ca. 46.000 students
 - ca. 1600 teachers and researchers
 - 1800+ datasets in international repositories
- (source: Elsevier Data Monitor Tool)

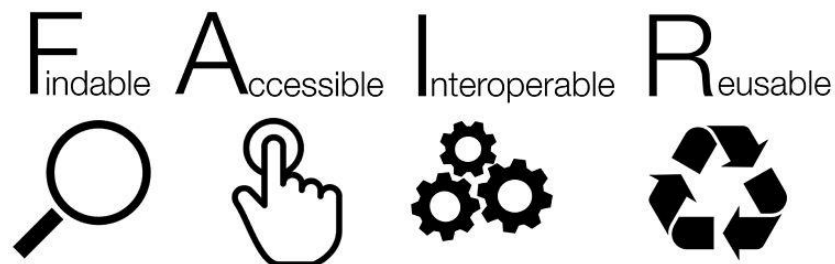


Presentation structure



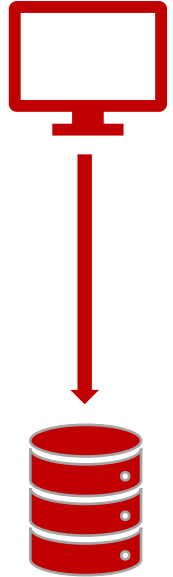
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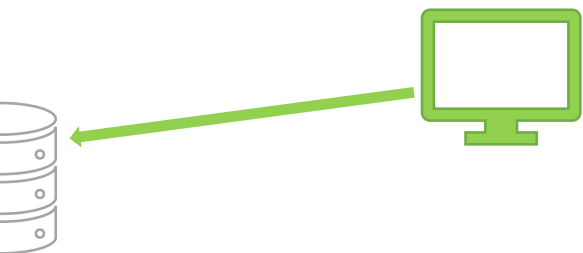
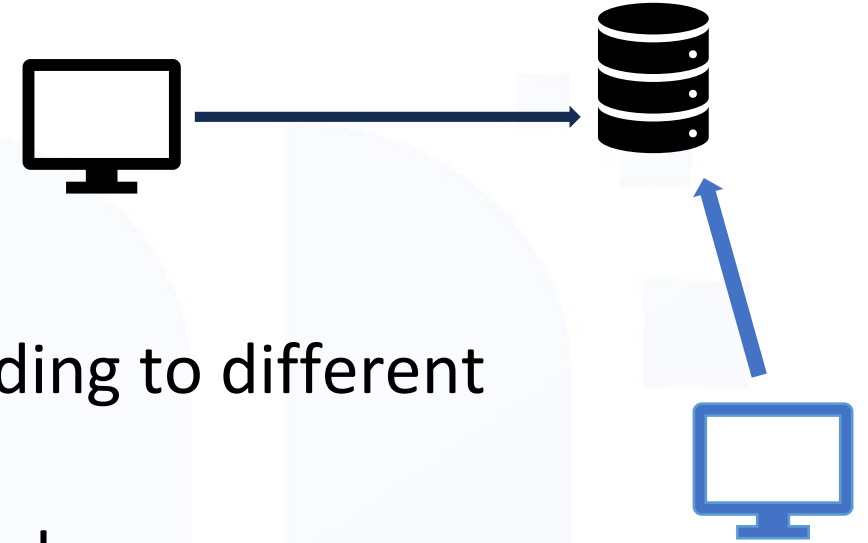
1. Challenges
2. Approach
3. Solutions under implementation
4. Envisioned developments
5. Conclusions

Challenges

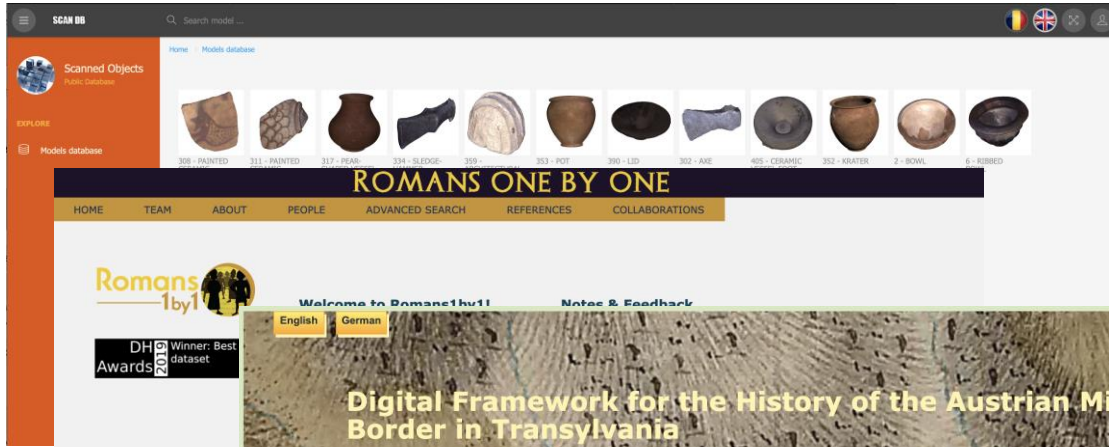


1. Challenges

- Large number of datasets generated according to different methodologies
- Lack of a comprehensive institutional record
- Variety of hosting environments, from international repositories to in-house built databases



Challenges



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Historical Population Database of Transylvania

We build the first historical database of Transylvania's population

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Database search

Name: _____

Search Database

Firstname: _____ Lastname: _____ Present-day Location: _____ Year: _____

Start Year: _____ End Year: _____

Search

Births

Firstname	Lastname	Mother Firstname	Mother Lastname	Father Firstname	Father Lastname	Baptism Place	Birth Place	Present-day Location
Show Evtimie	Kifor	Teodora	Neteaș	Mărășin	Kifor	Feldioara	Râzboieni Cetate	
Show Grigorie	Șpălănicean			Ioan	Șpălănicean	Feldioara	Râzboieni Cetate	

zenodo Babes-Bolyai

72 result(s) found

Versions: May 8, 2024 (v1) Dataset Open

UBB_Quantitative data_Biocultural Tourism

HARVARD Dataserve 73,042,976 Downloads

Babes-Bolyai

1 to 10 of 55 Results

National Romanian Election Studies (Babes-Bolyai University)
Jan 27, 2023
Survey data about Romanian national elections. Project site: <https://resproject.wordpress.com/>

Characterization and Detection of epsilon-Berge-Zhukovskii Equilibria
Apr 22, 2015

Mendeley Data 660 results

Under Normoxia Simvastatin Shifts Lipid Metabolism of B16.F10 Melanoma Cells to Support Their Aggressiveness
Negrea, Giorgiana, Balacescu, Loredana, Sesarman, Alina, Banciu, Manuela
Published 20 September 2024 | Mendeley Data

Supplementary data to paper: "Under Normoxia Simvastatin Shifts Lipid Metabolism of B16.F10 Melanoma Cells to Support Their Aggressiveness" by Negrea et al., Biochemical Pharmacology, 2024. These data represents: 1) the Supplementary Table corresponding to all the mRNA identified by RNA-seq in B16.F10 melanoma cells treated with lipophilic statin simvastatin (SIM), compared to the untreated cells. Our data revealed a panel of 1513 out of 15905 transcripts with at least 1.5 FR in expression after SIM treatment, with 817 transcripts upregulated, and 696 downregulated compared to the control group; 2) Figure 1. Validation of primer specificity by agarose electrophoresis of PCR products and 3) Figure 2. Relative expression of genes...

DATA TYPES: Dataset (660), Image (573), Collection (64), Other (34), Text (12), Video (11), Tabular Data (6), Document (5), Software/Code (5), Slides (4), Event (3), Physical Object (2), Audio (1), File Set (1)

Source Types: Data Repositories (660)

Challenges

Listing Birth records

Excel download

Source code:

Created between: Day Month Year

Child denomination code:

Midwife code:

Search

Number of records: 71233
 Number of records by person: 50
 Number of recorded individuals per page: 2077
 Total number of recorded individuals: 297610

ID	First name	Last name	Nickname	Mother first name	Mother last name	Father first name	Father last name	Baptism Date	Place of baptism	Source Observations	Comments	No. of recorded individuals	Source	Source place	Source page	Entry author	Modified by
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Show Edit Destroy 8	Todor	Buta		Marie	Buta	Vasile	Buta	7/4/1814	Feldioara	no	no	5	010006	Războieni-Cetate	1	daniela_marza@yahoo.com	viadutpopovic
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Show Edit Destroy 11	Elena	Nemeaş		Melintina??	Nemeaş	Gheorghie	Nemeaş	17/6/1814	Feldioara	no	no	5	010006	Războieni-Cetate	1	daniela_marza@yahoo.com	viadutpopovic
Show Edit Destroy 13	Maria			Leontina	Crişan	Galacteon	Negrea	20/7/1908	Feldióra-Săcuiască	yes	no	4	010002	Războieni-Cetate	1v-2r	theodoraguta@gmail.com	dianacovaci@
Show Edit Destroy 14	Borbăra	Koncz		Susánna	Czako	Josef	Koncz	21/2/1863	Sz. Földvár	no	no	5	010004	Războieni-Cetate	2	martontunde2005@gmail.com	martontunde2
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Show Edit Destroy 16	Georgina			Teodosia	Maier	Vasilie	Demian	27/7/1908	Feldióra-Săcuiască	yes	no	4	010002	Războieni-Cetate	1v-2r	theodoraguta@gmail.com	dianacovaci@
Show Edit Destroy 17	Emilia			Elena	Maier	Ioan	Şerban	3/8/1908	Feldióra-Săcuiască	yes	no	4	010002	Războieni-Cetate	1v-2r	theodoraguta@gmail.com	dianacovaci@
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Show Edit Destroy 23	Anna			Marie		Gilgorie	Urkan	16/3/1852		no	no	3	070007	Căláraşi	1v-2r	olteantana@yahoo.com	olteantana@yi
Show Edit Destroy 24	Anna			-1		Kifor	Muresan	5/5/1852		no	no	2	070007	Căláraşi	1v-2r	olteantana@yahoo.com	olteantana@yi
Show Edit Destroy 25	Maria			Teodora	Nemeaş	Partenie	Jurgiu	16/8/1908	Feldióra-Săcuiască	yes	no	4	010002	Războieni-Cetate	1v-2r	theodoraguta@gmail.com	dianacovaci@

Hpdt

https://researchportal.hpdt.ro/tbirths

Home Manual

Signed in successfully.

Listing Birth records

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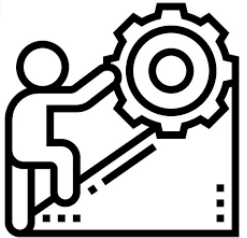
Search

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New Birth record

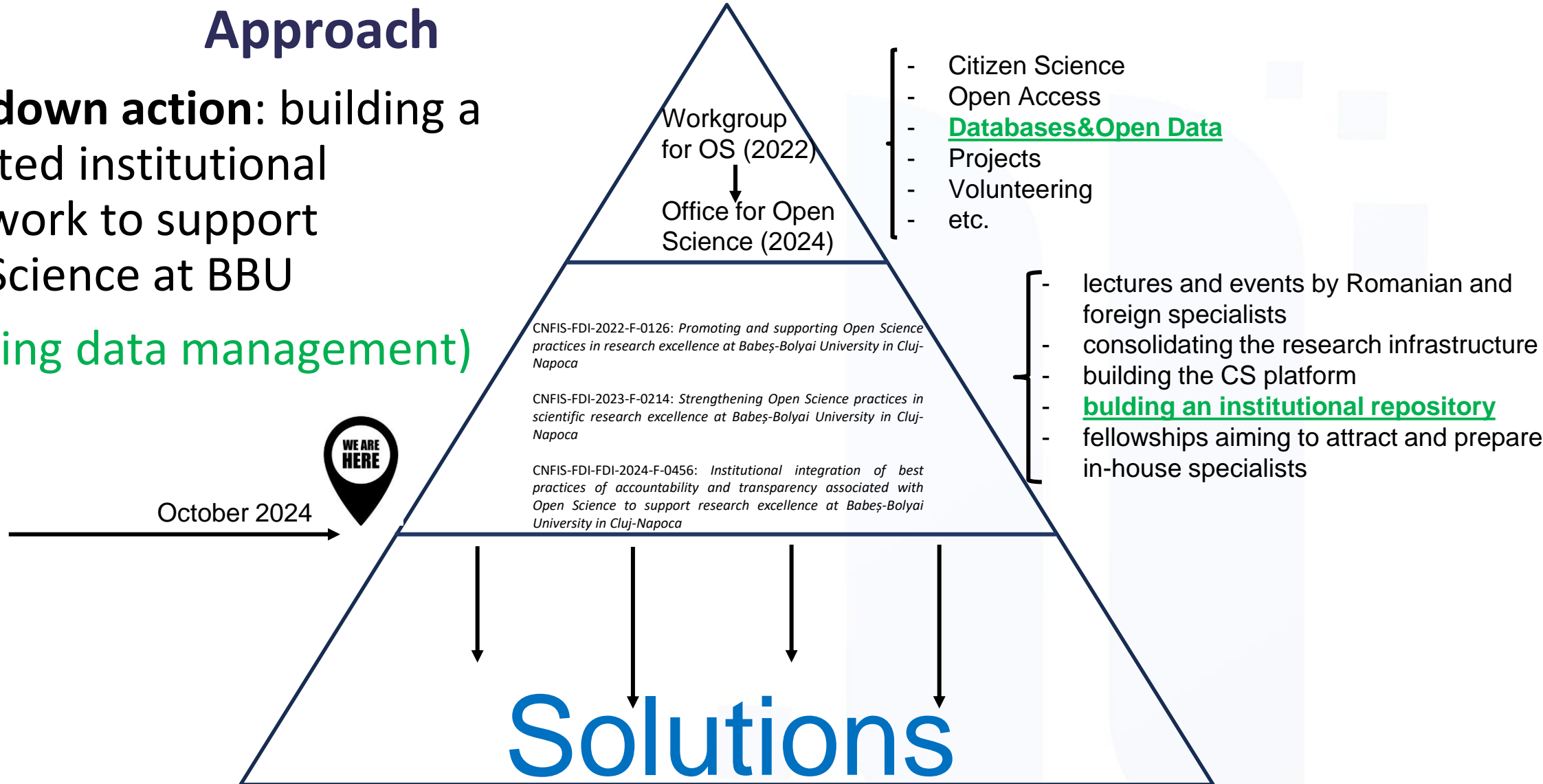
Challenges

- early-stage institutional framework for Open Science (including scientific data management)
- lack of an institutional repository 
- no unitary institutional guidelines and teaching strategy for promoting Open Science and FAIR principles at grassroots level (students and researchers)



Approach

Top – down action: building a dedicated institutional framework to support Open Science at BBU
(including data management)



Approach



Propuneri cetățeni



Această secțiune se adresează celor care vor să transforme idei legate de comunitate, mediu sau alte domenii de cercetare în proiecte reale. Procesul este deschis și inclusiv, permițând oricărui membru al comunității să contribuie cu idei ce pot deveni proiecte de cercetare sub îndrumarea cercetătorilor de la UBB.

Cum funcționează?

Încarcă propunerea ta pe platformă. Cercetătorii noștri vor valida informațiile, iar dacă nu conține limbaj neadecvat, cererea va fi aprobată și afișată în secțiunea "Propuneri cetățeni". Aici, propunerea ta va putea fi votată de alți membri ai comunității. Tu, la rândul tău, o poți distribui prietenilor, familiei sau pe rețelele de socializare. Cele mai votate propuneri vor fi analizate de cercetători și, dacă sunt potrivite, vor fi transformate în proiecte de cercetare, pentru care se vor căuta voluntari sau chiar finanțare.

Implică-te și devino parte din prima inițiativă de știință cu cetățenii din România!

<https://citizenscience.openscience.ubbcluj.ro/home>

Solutions under implementation

1. Implementation of an institutional data repository connected to the international repositories (compliance to OpenAIRE as the first milestone)



2. Comprehensive inventory of datasets and databases



3. Promoting FAIR principles in the BBU community



4. Following the model of Studia UBB series



Solutions - models

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Content:

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2. STUDY OF KAZAKHSTAN'S SHUNGITE AS ELECTROCATALYST SUBSTRATE IN HYDROGEN EVOLUTION REACTION IN ACIDIC MEDIA.
3. NEUROTROPHIC EFFECTS OF IRIDOID GLYCOSIDES FROM *LAMUM ALBUM L.* AS NATURAL GLP1-R MODULATORS IN REPEATED RESTRAINT STRESS.
4. CORRELATIONS BETWEEN OXIDATIVE STRESS MARKERS AND CORONARY ANATOMY IN PERCUTANEOUSLY TREATED PATIENTS WITH ACUTE ST-ELEVATION MYOCARDIAL INFARCTION.
5. AN EXPLORATION OF HUMAN FD-CRYSTALLIN AFFINITY FOR POTENTIAL AGGREGATION INHIBITORS: A MOLECULAR DOCKING INVESTIGATION.
6. ESSENTIAL OIL FROM *KNEMA ELEGANS* WARB.: CHEMICAL COMPOSITION, ANTIOXIDANT AND ANTI-ACETYLCHOLINESTERASE ACTIVITIES.

(see all issue's content...)

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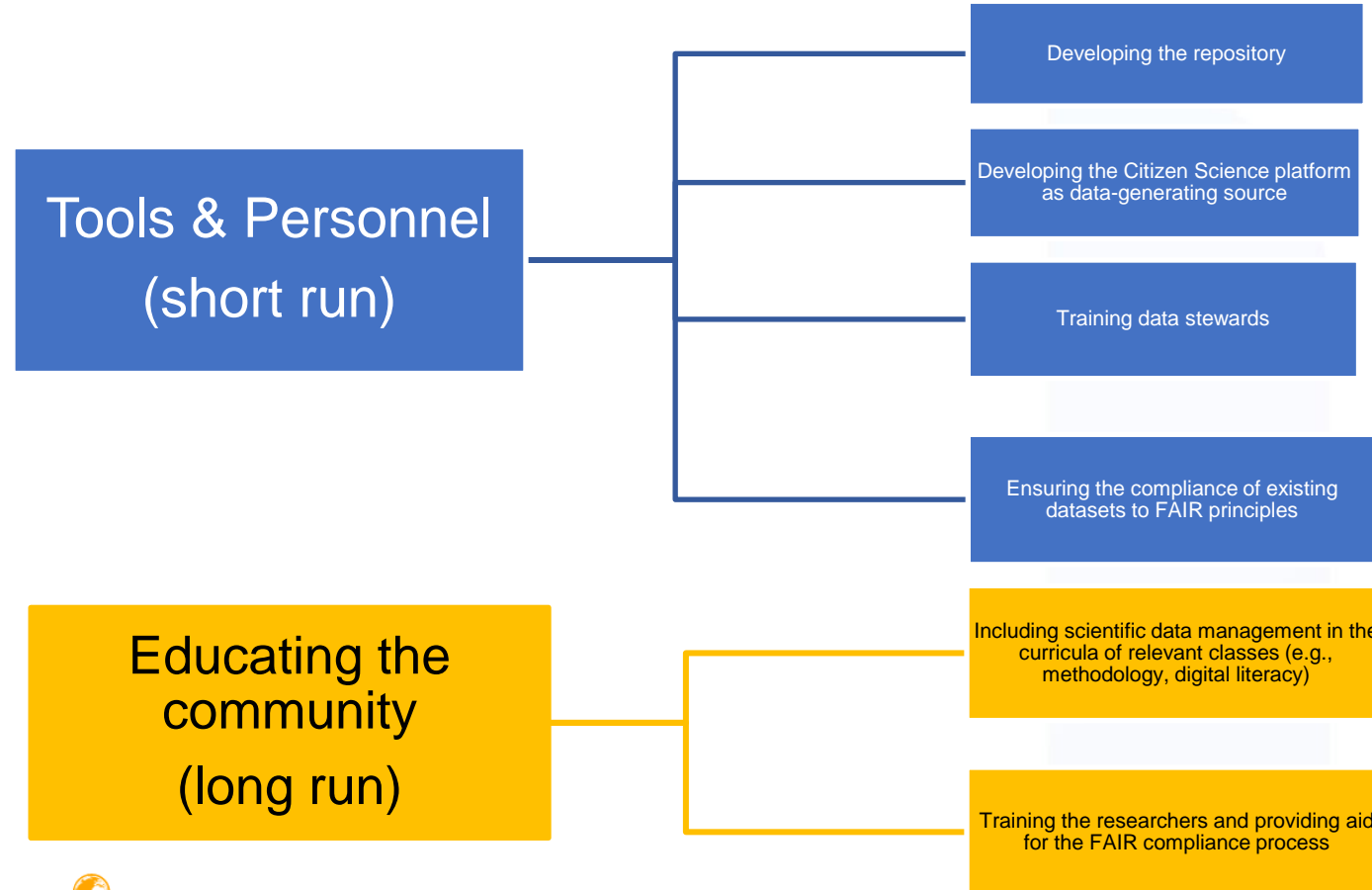
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Envisioned developments



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