GDAŃSK UNIVERSITY OF TECHNOLOGY

Linking research information within the knowledge portal - the Bridge of Knowledge services for researchers

Dr Anna Wałek
Gdańsk University of Technology Library

euroCRIS Conference Dubrovnik, 11-14.05.2022

GDAŃSK UNIVERSITY OF TECHNOLOGY

BRIDGE OF DATA

The Bridge of Knowledge



MOST DANYCH

GDAŃSK UNIVERSITY OF TECHNOLOGY | BRIDGE OF DATA

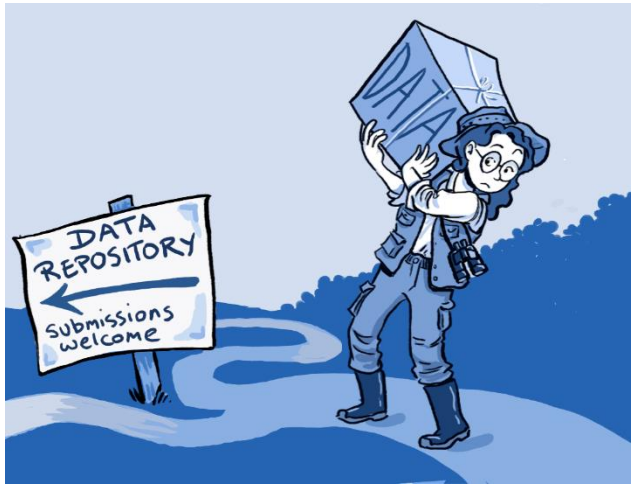
The Bridge of Data

Multidisciplinary Open System Transfering Knowledge stage II Open Research Data

The goal was to create **Competence Center** which provides expertise and support including trainings among scholars about different aspects of Open Science and face to face consultations

and to design and build a **platform dedicated to research data** generated at the **three most important universities of Pomerania**, which will increase accessibility, coherence and reuse of science, knowledge and technology resources

co-financed by the European Regional Development Fund



BRIDGE OF DATA

GDAŃSK UNIVERSITY OF TECHNOLOGY

BRIDGE OF DATA



National Science Centre Poland

Polish National Science Centre

One of the signatories of PlanS

DMP’s in the project proposals since 2020

GDAŃSK UNIVERSITY OF TECHNOLOGY

BRIDGE OF DATA

Data Citations

Clarivate™

Who we serve | Products & Services | Resources | Contact us

Data Citation Index

Connecting data to the research it informs

Go to product | Contact us

The Data Citation Index™ provides a single point of access to quality research data from global repositories across disciplines. Descriptive records are created for data objects and linked to literature articles in the Web of Science.™

As data citation practices increase, the Data Citation Index aims to provide a clearer picture of the full impact of research output, as well as to act as a significant tool for data attribution and discovery.

As of 2 March 2022

- Data from 443 repositories
- 12,357,621 datasets
- 1,434,939 data studies
- 264,773 software

GDAŃSK UNIVERSITY OF TECHNOLOGY

BRIDGE OF DATA

Google

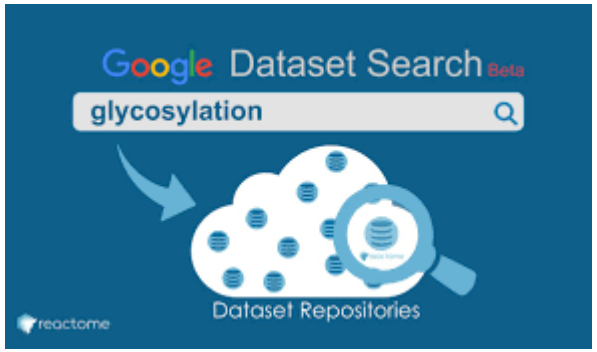
Dataset Search

Wyszukaj zbiory danych

Wypróbuj koronawirus (COVID-19) lub education outcomes site:data.gov.

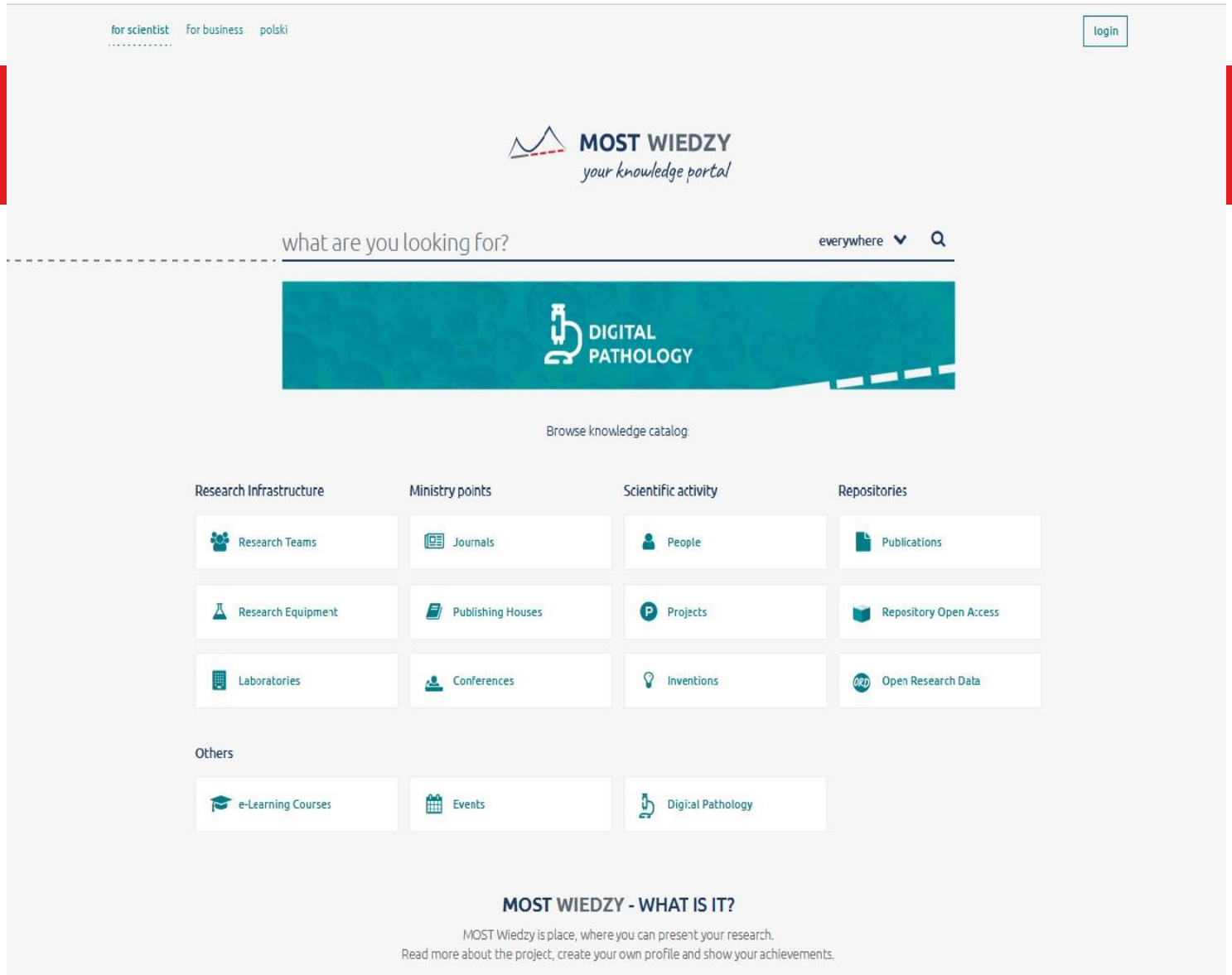
Learn more about Dataset Search.





GDAŃSK UNIVERSITY OF TECHNOLOGY

BRIDGE OF DATA





prof. dr hab. inż. Andrzej Czyżewski

Employment

Head of Department at Department of Multimedia Systems
Professor at Department of Multimedia Systems

Research fields

Digital Signal Processing | Multimedia Technology | Sound And Vision Engineering

Social media

Orcid
Scopus
Google Scholar

Contact

E-mail
andczyze@pg.edu.pl

Professor
Department of Multimedia Systems
Faculty of Electronics, Telecommunications and Informatics

Workplace
Budynek A Elektroniki

Publication showcase

An audio-visual corpus for multimodal automatic speech recognition
A. Czyżewski, B. Kostek, P. Bratoszewski, J. Kotus, M. Szykulski - *JOURNAL OF INTELLIGENT INFORMATION SYSTEMS* - 2017
review of available audio-visual speech corpora and a description of a new multimodal corpus of English speech recordings is provided. The new corpus containing 31 hours of recordings was created specifically to assist audio-visual speech recognition systems (AVSR) development. The database related to the corpus includes high-resolution, high-framerate stereoscopic video streams from RGB cameras, depth imaging stream utilizing Time-of-Flight...
Full text available

Detection, classification and localization of acoustic events in the presence of background noise for acoustic surveillance of hazardous situations
K. Łopatka, J. Kotus, A. Czyżewski - *MULTIMEDIA TOOLS AND APPLICATIONS* - 2016
Evaluation of sound event detection, classification and localization of hazardous acoustic events in the presence of background noise of different types and changing intensities is presented. The methods for discerning between the events being in focus and the acoustic background are introduced. The classifier, based on a Support Vector Machine algorithm, is described. The set of features and samples used for the training of the...
Full text in external service

Detection and localization of selected acoustic events in acoustic field for smart surveillance applications
J. Kotus, K. Łopatka, A. Czyżewski - *MULTIMEDIA TOOLS AND APPLICATIONS* - 2014
A method for automatic determination of position of chosen sound events such as speech signals and impulse sounds in 3-dimensional space is presented. The evens are localized in the presence of sound reflections employing acoustic vector sensors. Human voice and impulsive sounds are detected using adaptive detectors based on modified peak-valley difference (PVD) parameter and sound pressure level. Localization based on signals...
Full text in external service

Binary Mixtures of Selected Bisphenols in the Environment: Their Toxicity in Relationship to Individual Constituents

Abstract

Bisphenol A (BPA) is one of the most popular and commonly used plasticizer in the industry. Over the past decade, new chemicals that belong to the bisphenol group have increasingly been used in industrial applications as alternatives to BPA. Nevertheless, information on the combined effects of bisphenol (BP) analogues is insufficient. Therefore, our current study aimed to find the biological response modulations induced by the binary mixtures of BP compounds. We determined the toxicity levels in Microtox and XenoScreen YES/YAS assays for several BP analogs alone, and for their binary mixtures. The results obtained constituted the database for chemometric intelligent data analysis to evaluate the possible interactions occurring in the mixtures. Several chemometric/biophysical models have been used (concentration addition—CA, independent action—IA and polynomial regression calculations) to realize this aim. The best fitting was found for the IA model and even in this description strong evidence for synergistic behaviors (modes of action) of some bisphenol analogue mixtures was demonstrated. Bisphenols A, S, F and FL were proven to be of significant endocrine threat (with respect to XenoScreen YES/YAS assay); thus, their presence in mixtures (including presence in tissues of living organisms) should be most strictly monitored and reported.

Authors (5)

Gdańsk University of Technology

Błażej Kudłak dr hab. inż.
Department of Analytical Chemistry
Faculty of Chemistry
Gdańsk University of Technology

Vasil Simeonov prof. dr hab. inż.
University of Sofia Department of Analytical Chemistry

Zofia Mazerska prof. dr hab. inż.
Department of Pharmaceutical Technology and Biochemistry
Faculty of Chemistry
Gdańsk University of Technology



Jacek Namieśnik prof. dr hab. inż.
Department of Analytical Chemistry
Faculty of Chemistry
Gdańsk University of Technology

Citations

CrossRef	Web of Science	Scopus
10	11	12

Cite as

APA | HARVARD | Vancouver | Chicago | MLA | export: BibTeX | JSON-LD | RIS

Owczarek, K., Kudłak, B., Simeonov, V., Mazerska, Z., & Namieśnik, J. (2018). Binary Mixtures of Selected Bisphenols in the Environment: Their Toxicity in Relationship to Individual Constituents. *MOLECULES, 23*(12), 3226-3241. https://doi.org/10.3390/molecules23123226

copy

Full text

download paper
downloaded 7 times

Publication version Accepted or Published Version

License

Keywords

BISPHENOL A ANALOGUES | MICROTOX® | MODEL DEVIATION RATIO | XENOSCREEN YES/YAS

Details

Category:	Articles
Type:	artykuł w czasopiśmie wyróżnionym w JCR
Published in:	MOLECULES no. 23, pages 3226 - 3241, ISSN: 1420-3049
Language:	English
Publication year:	2018
Bibliographic description:	Owczarek K., Kudłak B., Simeonov, V., Mazerska Z., Namieśnik J.: Binary Mixtures of Selected Bisphenols in the Environment: Their Toxicity in Relationship to Individual Constituents// MOLECULES. -Vol. 23, nr. 12 (2018), s.3226-3241
DOI:	10.3390/molecules23123226

DOI:	10.3390/molecules23123226
Bibliography: test	1. Vogel, S. The Politics of Plastics: The Making and Unmaking of Bisphenol A "Safety". Am. J. Publ. Health 2009, 99, 559-566. 2. Kundakovic, M.; Gudsnuk, K.; Franks, B.; Madrid, J.; Miller, R.L.; Perera, F.; Champagne, F. Sex-specific epigenetic show (30)
Verified by:	Gdańsk University of Technology

seen 49 times

Recommended for you

Assessing ecotoxicity and the endocrine potential of selected phthalates, BADGE and BFDGE derivatives in relation to environmentally detectable levels

N. Jatkowska, B. Kudłak, J. Namieśnik

2018

Bisphenols (A, S, and F) affect the basic hormonal activity determined for pharmaceuticals – Study of Saccharomyces cerevisiae

B. Kudłak, M. Wieczerzak, J. Namieśnik

2019

Modeling of pharmaceuticals mixtures toxicity with deviation ratio and best-fit functions models

M. Wieczerzak, B. Kudłak, G. Yotova

+ 4 authors

2016

Impact of selected drugs and their binary mixtures on the germination of Sorghum bicolor (sorgo) seeds

M. Wieczerzak, B. Kudłak, J. Namieśnik

2018

MODALITY corpus - SPEAKER 33 - SEQUENCE S2

Description

The MODALITY corpus is one of the multimodal database of word recordings in English. It consists of over 30 hours of multimodal recordings. The database contains high-resolution, high-framerate stereoscopic video streams and audio signals obtained from a microphone array and a laptop microphone. The corpus can be employed to develop an AVSR system, as every utterance was labelled. Recordings in noisy conditions can be used to test the robustness of speech recognition systems.

The language material was based on a remote control scenario and it includes 231 words -numbers, names of months and days, a set of verbs and nouns related to a computer device control. They were read by speakers as separated words and sequences resulting in a set of 12 recording sessions per speaker. Half of the sessions were recorded in quiet conditions, the other half contained three kinds of intrusive signals (traffic, babble and factory noise).

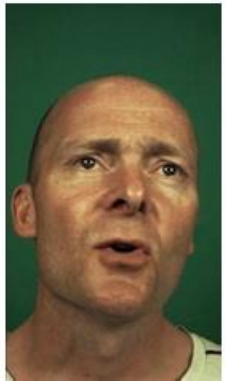
The corpus includes recordings of 42 speakers (33 male, 9 female). The participants include 20 students and staff of Multimedia Systems Department of the Gdańsk University of Technology, 5 students of the Institute of English and American Studies of the University of Gdańsk, and 17 native English speakers.

The dataset consist of recordings and visual features for **SPEAKER** 33:

- sex: man
- native speaker: yes
- age: 48

The test material: **SEQUENCE S2**

All recordings for all speakers are available at http://www.modality-corpus.org/



Authors

Andrzej Czyżewski prof. dr hab. inż.
Department of Multimedia Systems
0000-0001-9159-8658
Project Leader

Bożena Kostek prof. dr hab. inż.
Laboratorium Akustyki Fonicznej
0000-0001-6288-2908
Creator

Piotr Bratoszewski mgr inż.
Creator

Marcin Szykulski mgr inż.
Creator

Józef Kotus dr hab. inż.
Department of Multimedia Systems
0000-0001-8087-3095
Creator

Szymon Zaporowski mgr inż.
Department of Multimedia Systems
0000-0003-0814-1097
Creator

Paweł Spaleniak mgr inż.
Department of Multimedia Systems
0000-0002-2487-8956
Creator

Piotr Odya dr inż.
Department of Multimedia Systems
0000-0003-0288-6178
Data Curator

Due to the size of the corpus (approx. 2.5 TB of data), every speaker's recording was placed in a separate zip file of the size approx. 4-7 GB each.

The recordings were organized according to the speakers' language skills. The group A (17 speakers) consists of native-speakers. Non-native speakers recordings (Polish nationals) were placed in the Group B (25 speakers).

The audio files use the Waveform Audio File Format (.wav), and contain a single **PCM audio stream sampled at 44.1 kSa/s with 16-bit depth**. The video files utilize the Matroska Multimedia Container Format (**.mkv**) in which a video stream in **1080p** resolution, captured at **100 fps** was placed after being compressed with **h.264 codec (using High 4:4:4 profile)**. The **'.lab'** files are text files containing the information on word positions in audio files, and follow the **HTK label format**. Each line of a '.lab' file contains the actual label preceded by start and end times (in 100 ns units) e.g. : 1239620000 1244790000 FIVE which denotes the word "five", occurring between the 123.962 s and 124.479 s of audio.
Word-accurate SNR values calculated for every recording are also included in the ZIP file.

Dataset file

SP33_SEQUENCE2.ZIP
4.5 GB, S3 ETag efa5f7883f19504fb47cb7109306dd69-9, downloads: 0

download | contents preview

File details

License:	Custom read

Details

Year of publication:	2016
Verification date:	2021-07-05
Dataset language:	English
Fields of science:	**Information and communication technology** (Engineering and Technology) **Linguistics** (Humanities)
DOI:	10.34808/nvt2-6g97
Series:	• MODALITY corpus
Verified by:	Gdańsk University of Technology

Keywords

language | native speakers | multimodal | recordings

GDAŃSK UNIVERSITY OF TECHNOLOGY | BRIDGE OF DATA

Keywords

language | native speakers | multimodal | recordings

References

publication An audio-visual corpus for multimodal automatic speech recognition

publication A comparative study of English viseme recognition methods and algorithms

Cite as

APA | HARVARD | Vancouver | Chicago | MLA | export: BibTeX | JSON-LD | RIS | DataCite | BibTeX .bib | RIS .ris

Czyżewski, A., Kostek, B., Bratoszewski, P., Szykulski, M., Kotus, J., Zaporowski, S., Spaleniak, P., & Odya, P. (2016). *MODALITY corpus - SPEAKER 33 - SEQUENCE S2* [Data set]. Gdańsk University of Technology. https://doi.org/10.34808/nvt2-6g97

copy

seen 19 times

GDAŃSK UNIVERSITY OF TECHNOLOGY

BRIDGE OF DATA



Main page | Slide list | Select organ

Main page | Slide list | Select organ | Log in to Digital Pathology

European Funds Digital Poland | Republic of Poland | MOST DANYCH | European Union European Regional Development Fund

Data provider:
Medical University of Gdańsk

Copyright © 2019-2021
Centre of Informatics - Tricity Academic Supercomputer & Network

GDAŃSK UNIVERSITY OF TECHNOLOGY

BRIDGE OF DATA

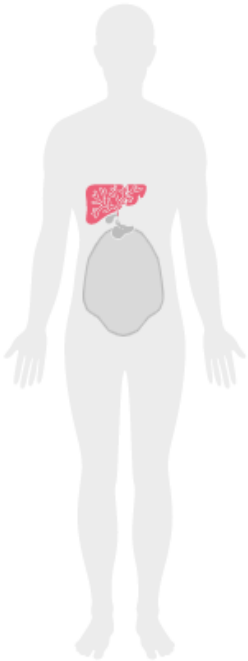
polski

MOST WIEDZY

DIGITAL PATHOLOGY

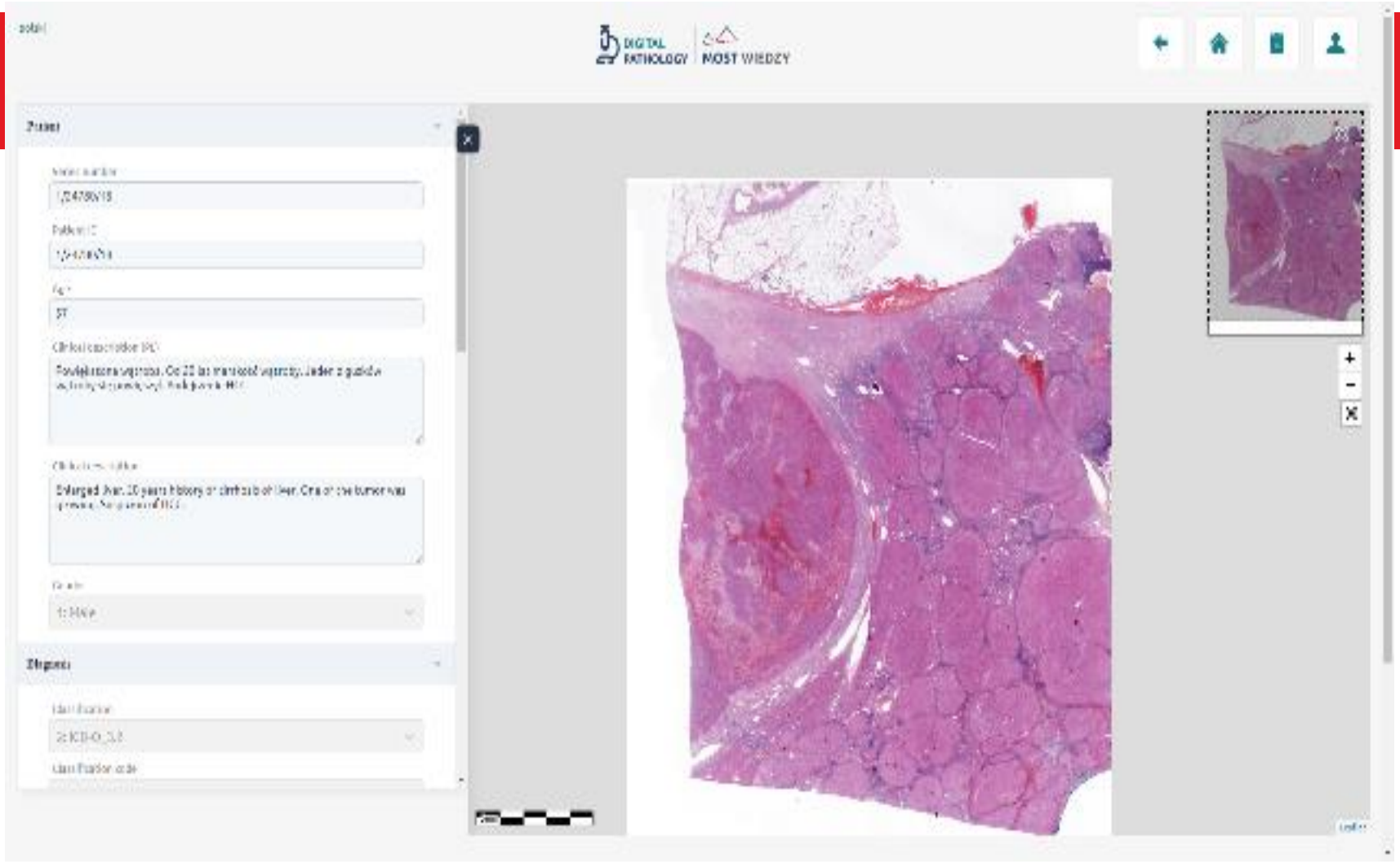
Main page | Slide list | Select organ

- Head and neck
- Sensory organs
- Digestive tract
- Thoracic cage
- Lymphatic system
- Skin
- **Abdominal cavity**
  - Liver and bile ducts
  - Gallbladder
  - Pancreas
  - Peritoneum and retroperitoneum
- Soft tissues
- Bones, joints and articular cartilage
- Breast
- Female genital organs
- Male genital organs
- Urinary tract
- Nervous system
- Endocrine organs



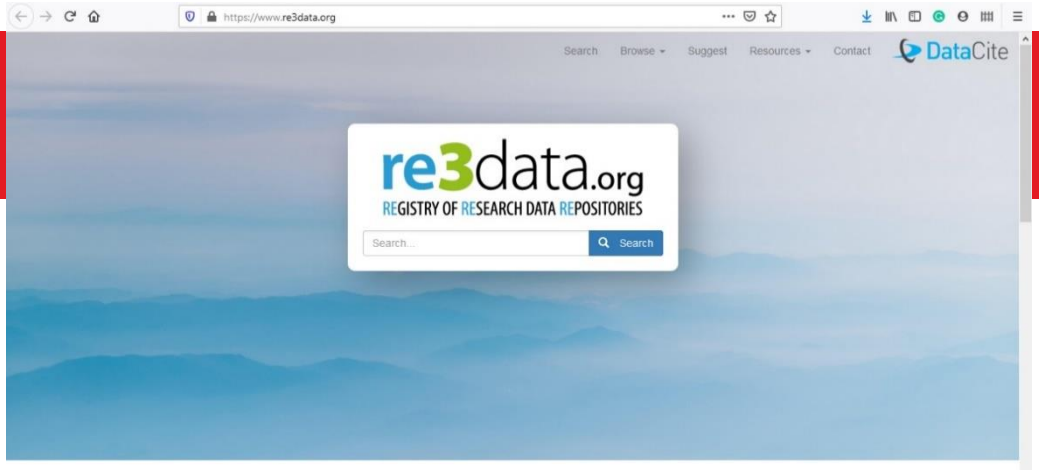
GDAŃSK UNIVERSITY OF TECHNOLOGY

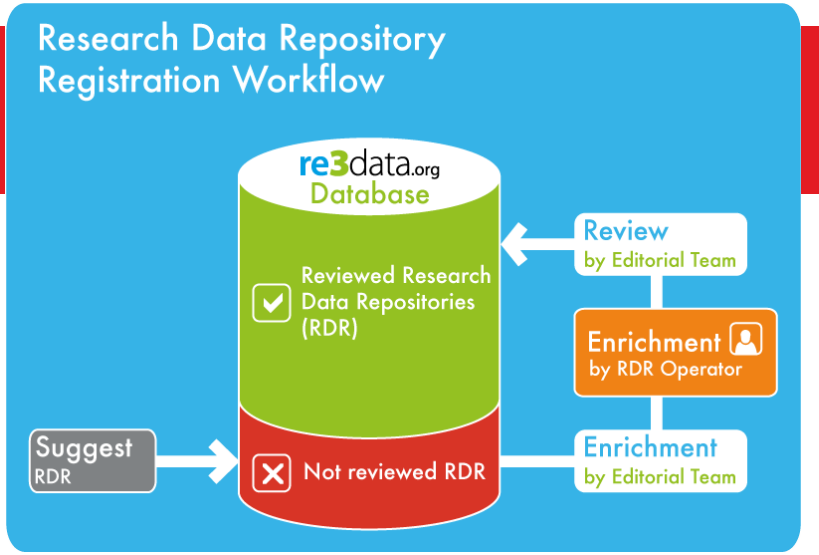
BRIDGE OF DATA



GDAŃSK UNIVERSITY OF TECHNOLOGY

BRIDGE OF DATA





CORE TRUST SEAL

Home | About | Certification | Certified Repositories | Apply | Contact

Core Certified Repositories

Home › Why certification › Core Certified Repositories

Applications are made public only once certification of a data repository has been approved by the CoreTrustSeal Board. Certification is against the version of the Core Trustworthy Data Repositories Requirements named in the link to the public application (e.g., 2017–2019). The CoreTrustSeal for Data Repositories is valid for three years from the certification date listed within the public application.

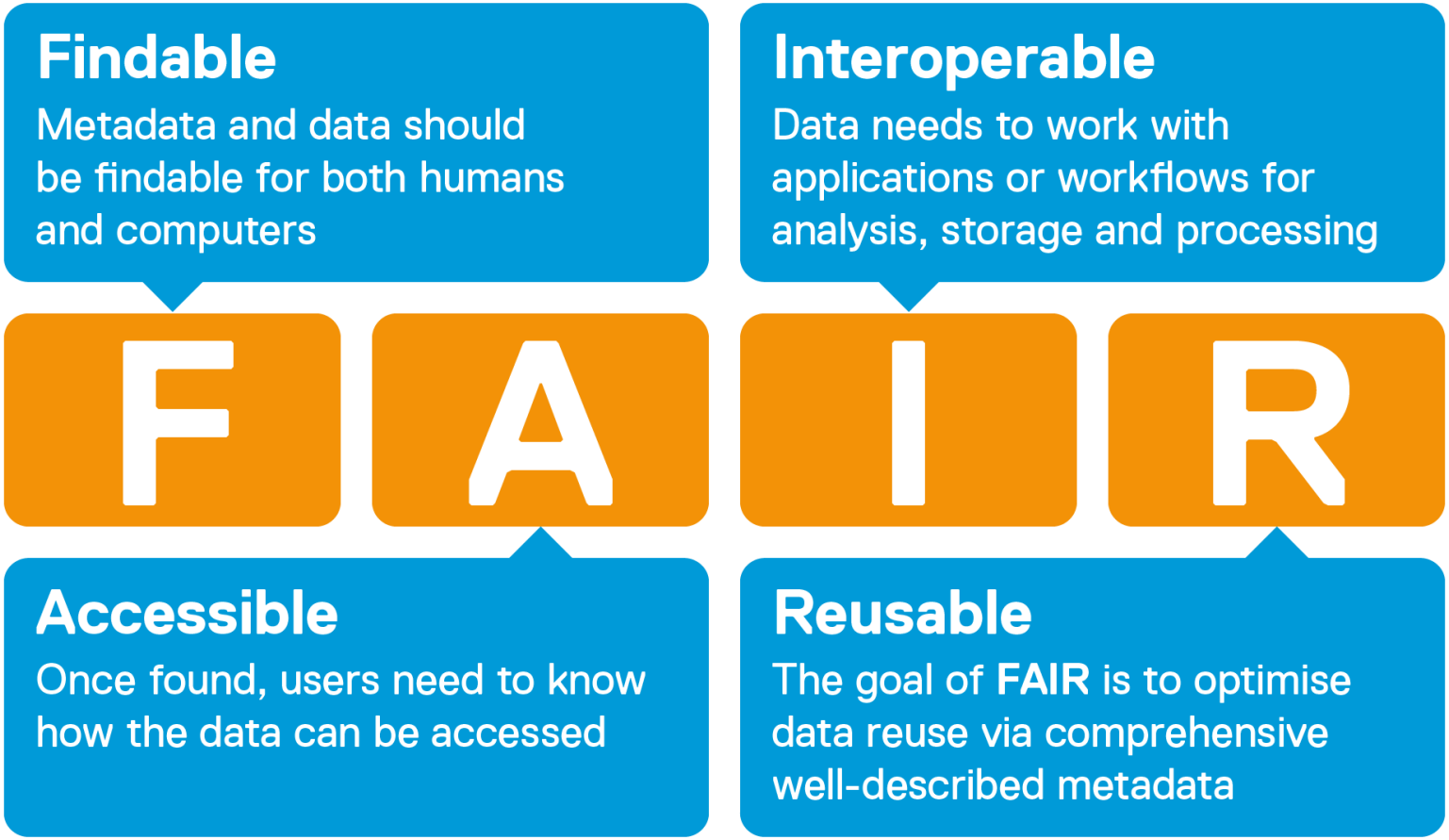


CORE TRUST SEAL

GDAŃSK UNIVERSITY OF TECHNOLOGY

BRIDGE OF DATA

FAIR Data



The FAIR Guiding Principles

To be Findable:

F1. (meta)data are assigned a globally unique and persistent identifier
F2. data are described with rich metadata (defined by R1 below)
F3. metadata clearly and explicitly include the identifier of the data it describes
F4. (meta)data are registered or indexed in a searchable resource

To be Accessible:

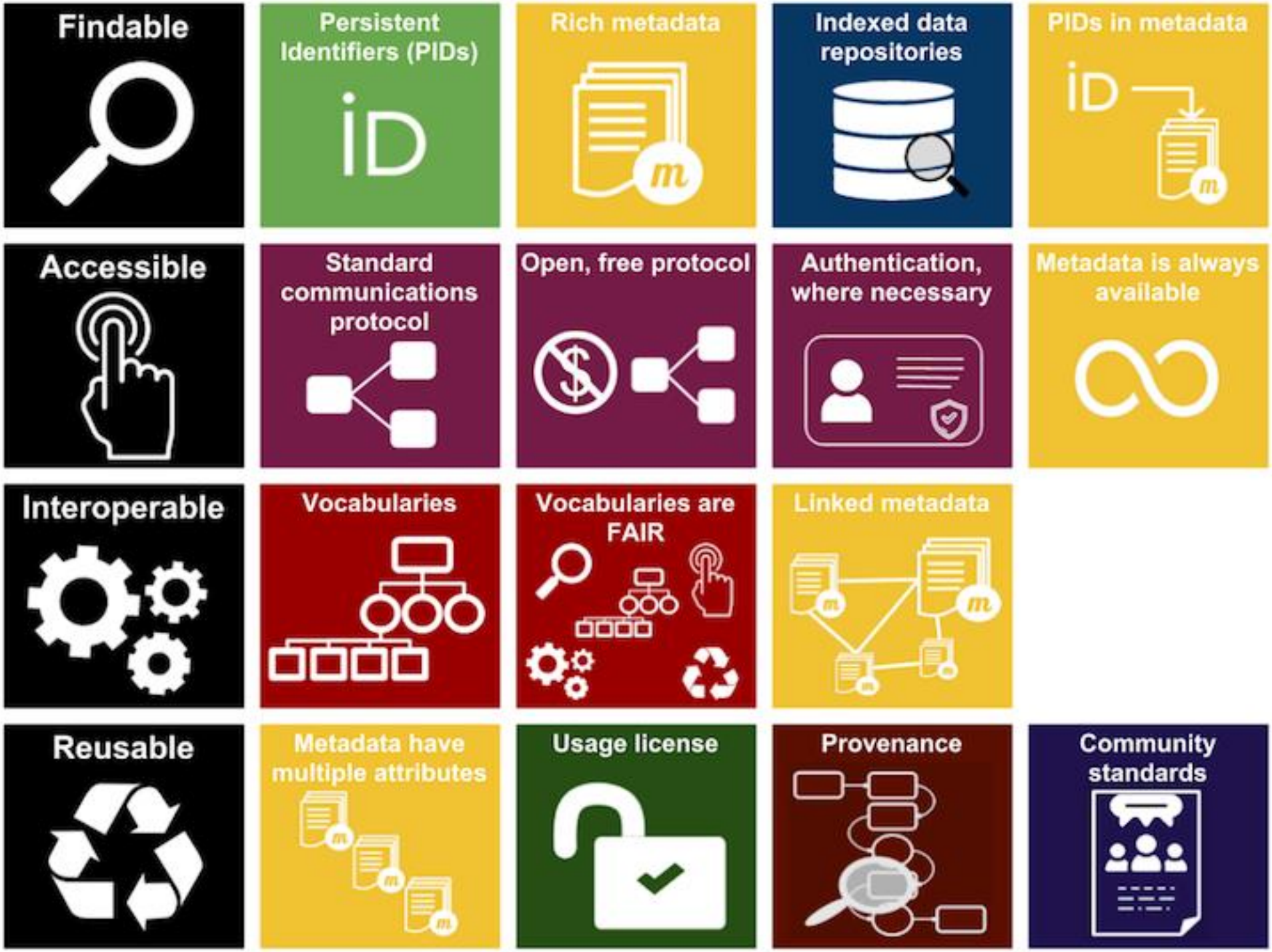
A1. (meta)data are retrievable by their identifier using a standardized communications protocol
A1.1. the protocol is open, free and universally implementable
A1.2. the protocol allows for an authentication and authorization procedure, where necessary
A2. metadata are accessible, even when the data are no longer available

To be Interoperable:

I1. (meta)data use a formal, accessible, shared and broadly applicable language for knowledge representation
I2. (meta)data use vocabularies that follow FAIR principles
I3. (meta)data include qualified references to other (meta)data

To be Reusable:

R1. meta(data) are richly described with a plurality of accurate and relevant attributes
R1.1. (meta)data are released with a clear and accessible data usage licence
R1.2. (meta)data are associated with detailed provenance
R1.3. (meta)data meet domain-relevant community standards


Findable
Persistent Identifiers (PIDs)
Rich metadata
Indexed data repositories
PIDs in metadata
Accessible
Standard communications protocol
Open, free protocol
Authentication, where necessary
Metadata is always available
Interoperable
Vocabularies
Vocabularies are FAIR
Linked metadata
Reusable
Metadata have multiple attributes
Usage license
Provenance
Community standards

GDAŃSK UNIVERSITY OF TECHNOLOGY

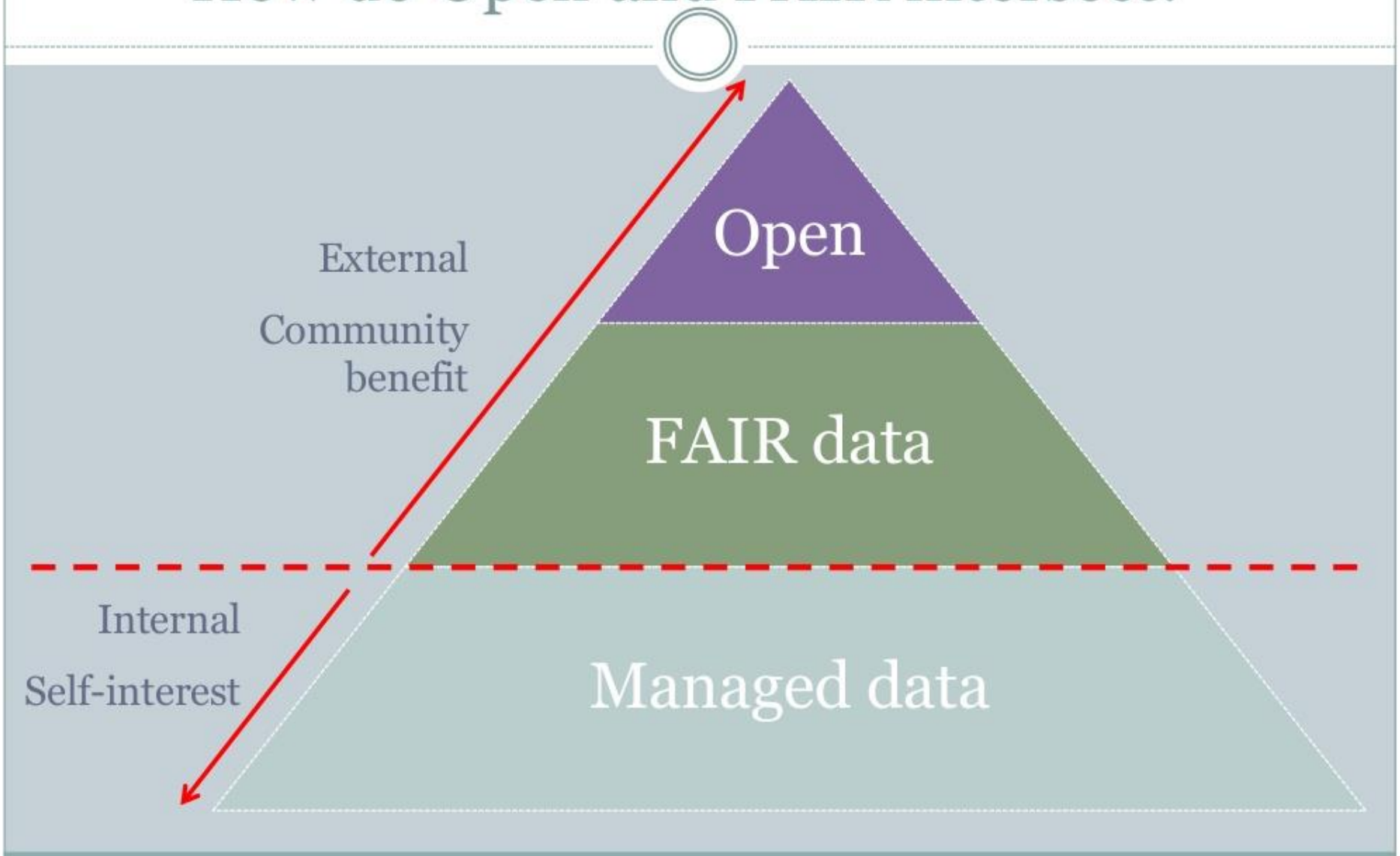
BRIDGE OF DATA



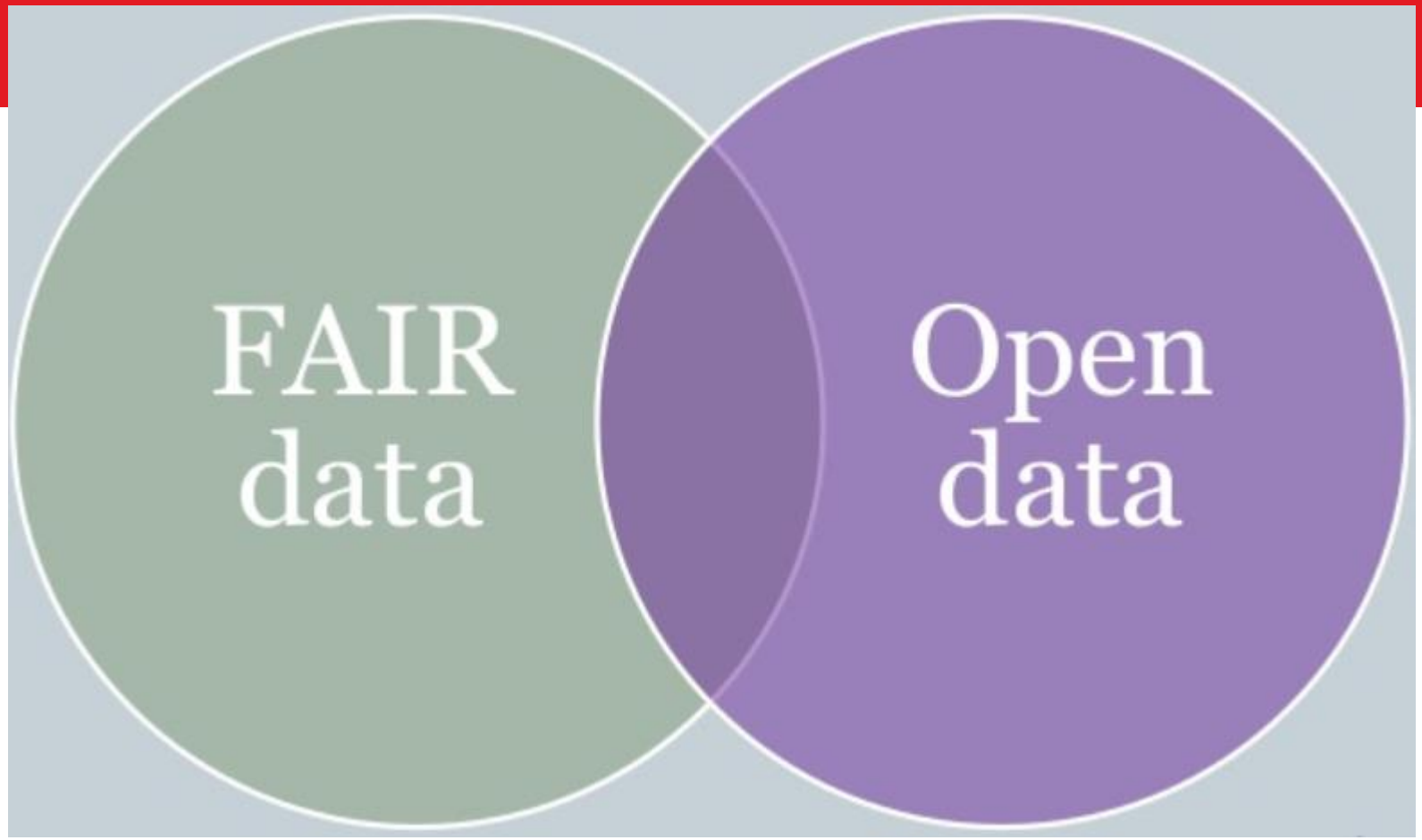
≠



How do Open and FAIR intersect?



https://elearning.bits.vib.be/courses/writing-a-data-management-plan/lessons/fair-data/topic/fair-vs-open/



https://elearning.bits.vib.be/courses/writing-a-data-management-plan/lessons/fair-data/topic/fair-vs-open/

GDAŃSK UNIVERSITY OF TECHNOLOGY

BRIDGE OF DATA

Open Data Repository – mostwiedzy.pl

- Collect and store datasets from Gdańsk Tech, GUMed and UG
- Indexing datasets in Google Data, Web of Science Data Citation Index and other services
- Technological innovations such as hosting the project on the private computing cloud and storing the data on the Ceph Object Storage.
- NoSQL database – ElasticSearch.
- Repository allows researchers to perform Big Data Analysis by the Apache Zeppelin GUI on the supercomputer Tryton (40.000 cores, 1,5 PFLOPS).

GDAŃSK UNIVERSITY OF TECHNOLOGY

BRIDGE OF DATA

Open Science Competence Center

- Assistance and on-site tailoring training among researchers from all scientific disciplines that include Data Management Plan, open licensing or metadata standards
- Workshops regarding different aspects of Open Science as well as scholarly communication
- InfoKit regarding Open Research Data
- Metadata support
- Journals & Conference Proceedings indexing and publishing support
- Evaluation & Bibliometric support

GDAŃSK UNIVERSITY OF TECHNOLOGY

UNIVERSITY OF GDANSK

MEDICAL UNIVERSITY OF GDAŃSK

BRIDGE OF DATA

BRIDGE OF DATA

Open Research Data

Project *"MOST DANYCH"*
is co-financed by the European Regional Development Fund
within the Operational Programme Digital Poland 2014-2020

European Funds
Digital Poland

Republic of Poland

BRIDGE OF DATA

European Union
European Regional Development Fund

GDAŃSK UNIVERSITY OF TECHNOLOGY

Thank you

IATUL
International Association of University Libraries

BRIDGE OF DATA