

Universität
Münster



“And the Winner Is...”

**ORAP – an Open Master Data Service for
Scientific Awards and Prizes - Concepts, Structures
and Its Application Using the Example of a
University-Wide CRIS**



Clarification of terminology: we distinguish “prize” from “prize awarding”

Prize

- is the general concept of a distinction (called award, honour, prize, or distinction)
- is once or repeatedly being awarded by an organisation or committee
- to one or more awardees
- e.g., the Nobel prize or the Fields medal



Sophie Biesenbender, Ulrike Gausmann, Sebastian Herwig

Prize awarding

- refers to the specific conveyance of a prize
- at a definite point in time
- to one or more awardees
- e.g., the Fields medal for the year 2018 awarded to Peter Scholze



Prizes, awards and honours are essential parts of the scientific reputation system


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Ukrainian professor wins prestigious Fields Medal in mathematics

5 July 2022

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Emily McGarvey
BBC News



Reuters

Ukrainian mathematician, Maryna Viazovska, has become only the second woman to receive the prestigious Fields Medal.

Often regarded as the Nobel Prize for mathematics, she won for her work on a 400-year-old puzzle about sphere packing.

The Asahi Shimbun | Asia & Japan Watch

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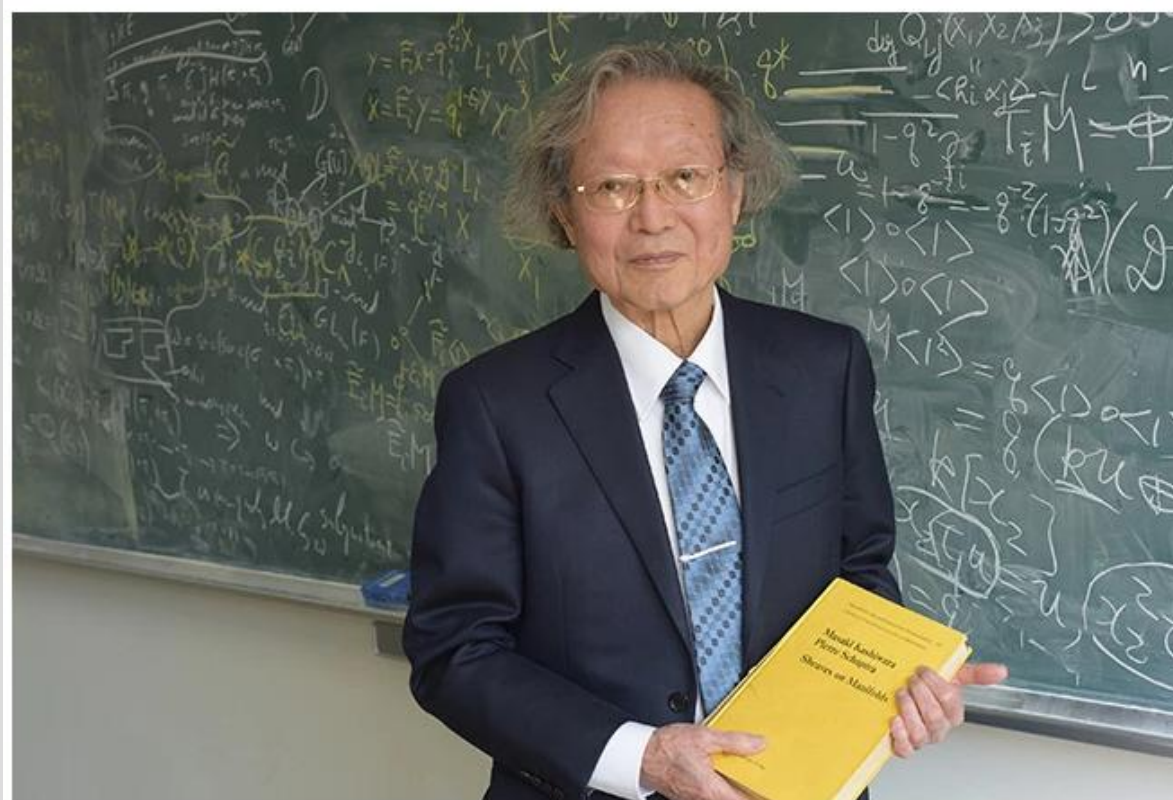
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The Asahi Shimbun > [Sci & Tech](#) > article

Kyoto University professor wins Abel Prize, the 'Math Nobel'

By TETSUYA ISHIKURA/ Staff Writer
March 27, 2025 at 18:09 JST

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Masaki Kashiwara, the recipient of the Abel Prize for 2025 ((C) Peter Badge/Typos1/The Abel Prize)

Masaki Kashiwara, project professor at Kyoto University's Research Institute for Mathematical Sciences, has been awarded the prestigious Abel Prize for 2025.

The New York Times

Nobel Prize in Physiology or Medicine Is Awarded for Work on Immune Systems

Mary E. Brunkow, Fred Ramsdell and Shimon Sakaguchi were awarded the prize for research showing how the body regulates its immune responses.

[Listen · 10:18 min](#)
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Mary E. Brunkow
Institute for Systems Biology, Seattle, USA

Fred Ramsdell
Sonoma Biotherapeutics, San Francisco, USA

Shimon Sakaguchi
Osaka University, Osaka, Japan

The winners were announced at the Karolinska Institutet in Stockholm, Sweden, on Monday. Claudio Bresciani/TT News Agency, via Associated Press

Prizes, awards and honours are essential parts of the scientific reputation system



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Winner Africa Thesis Award 2025: Yonwaba Matshobotiyana

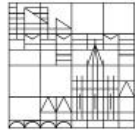


Winner Africa Thesis Award 2025: Yonwaba Matshobotiyana

16 March 2026

The jury of the Africa Thesis Award is delighted to announce that the 2025 prize has been awarded to Yonwaba Matshobotiyana of the University of the Free State, South Africa, with a thesis on Black women's poetry in South Africa.

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External awards and honours

University

About the University of Konstanz

Awards and honours

External awards and honours

Profile and mission statement

Rankings, facts and figures

Alumni

Endowments and donations

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External awards and honours

Humboldt Professorships

Awards and honours awarded by the University of Konstanz

Voluntary activities in the committees of the DFG

Memberships in the Heidelberg Academy of Sciences and Humanities

Memberships in the Leopoldina (German National Academy of Sciences)

Memberships in Die Junge Akademie

Job opportunities

Travel and campus map

Universität A-Z

Information in German sign language and simple language

AWARDS A - G



→ Alfred Krupp Grant for Young University Lecturers

→ Balzan Prize

→ ERC-Grants

→ Gottfried Wilhelm Leibniz Prize

→ Alexander von Humboldt Professorship

→ Emmy Noether Programme

→ Gerda Henkel Prize

→ Further awards A - G

AWARDS H - L



→ Hector Science Award 2023

→ Heisenberg Program of the German Research Foundation (DFG)

→ Further awards H - L

→ Heinz Maier-Leibnitz Prize

→ Highly Cited Researchers

AWARDS M - Z



→ Max Planck Research Award

→ Sofja Kovalevskaja Award of the Alexander von Humboldt Foundation

→ Volkswagen Foundation Freigeist Fellowship

→ Reinhart Koselleck Projects

→ Messmer Foundation research awards

→ Further awards M - Z

Prizes, awards and honours in research assessment and research reporting



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3. Indicators and Weights for ARWU

Criteria	Indicator	Code	Weight
Quality of Education	Alumni of an institution winning Nobel Prizes and Fields Medals	Alumni	10%
	Staff of an institution winning Nobel Prizes and Fields Medals	Award	20%
Quality of Faculty	Highly Cited Researchers	HiCi	20%
	Papers published in Nature and Science*	N&S	20%
Research Output	Papers indexed in Science Citation Index-Expanded and Social Science Citation Index (Web of Science)	PUB	20%
	Per capita academic performance of an institution	PCP	10%

https://www.shanghairanking.com/methodology/arwu/2025

C.2.3. Third-party funded projects, prizes and awards since 2019

The rows "Collaborative Research Centres and Transregios" and "Research Training Groups" must indicate ongoing funding during the respective year. All other rows must indicate new acquisitions during the respective year.

The project start date [Dr15a] must be used as the basis for allocating externally funded projects to the specified years.

Selected third-party funded projects, prizes and awards can be added below (maximum of five).

	Number					
	2019	2020	2021	2022	2023	2024
Collaborative Research Centres and Transregios ¹	0	0	0	0	0	0
Research Training Groups	0	0	0	0	0	0
ERC Grants total	0	0	0	0	0	0
of which ERC Starting Grants	0	0	0	0	0	0
of which ERC Advanced Grants	0	0	0	0	0	0
of which ERC Consolidator Grants	0	0	0	0	0	0
of which ERC Synergy Grants	0	0	0	0	0	0
Alexander von Humboldt Professorships	0	0	0	0	0	0
Sofja Kovalevskaja Award ²	0	0	0	0	0	0
Gottfried Wilhelm Leibniz Prize	0	0	0	0	0	0
Heinz Maier-Leibnitz Prize	0	0	0	0	0	0
Heisenberg Programme	0	0	0	0	0	0
Emmy Noether Programme	0	0	0	0	0	0
[...]	0	0	0	0	0	0

https://www.wissenschaftsrat.de/download/2024/ExStra_Data_Annex_individual_university

German KDSF standard includes structures for prizes and prize awarings

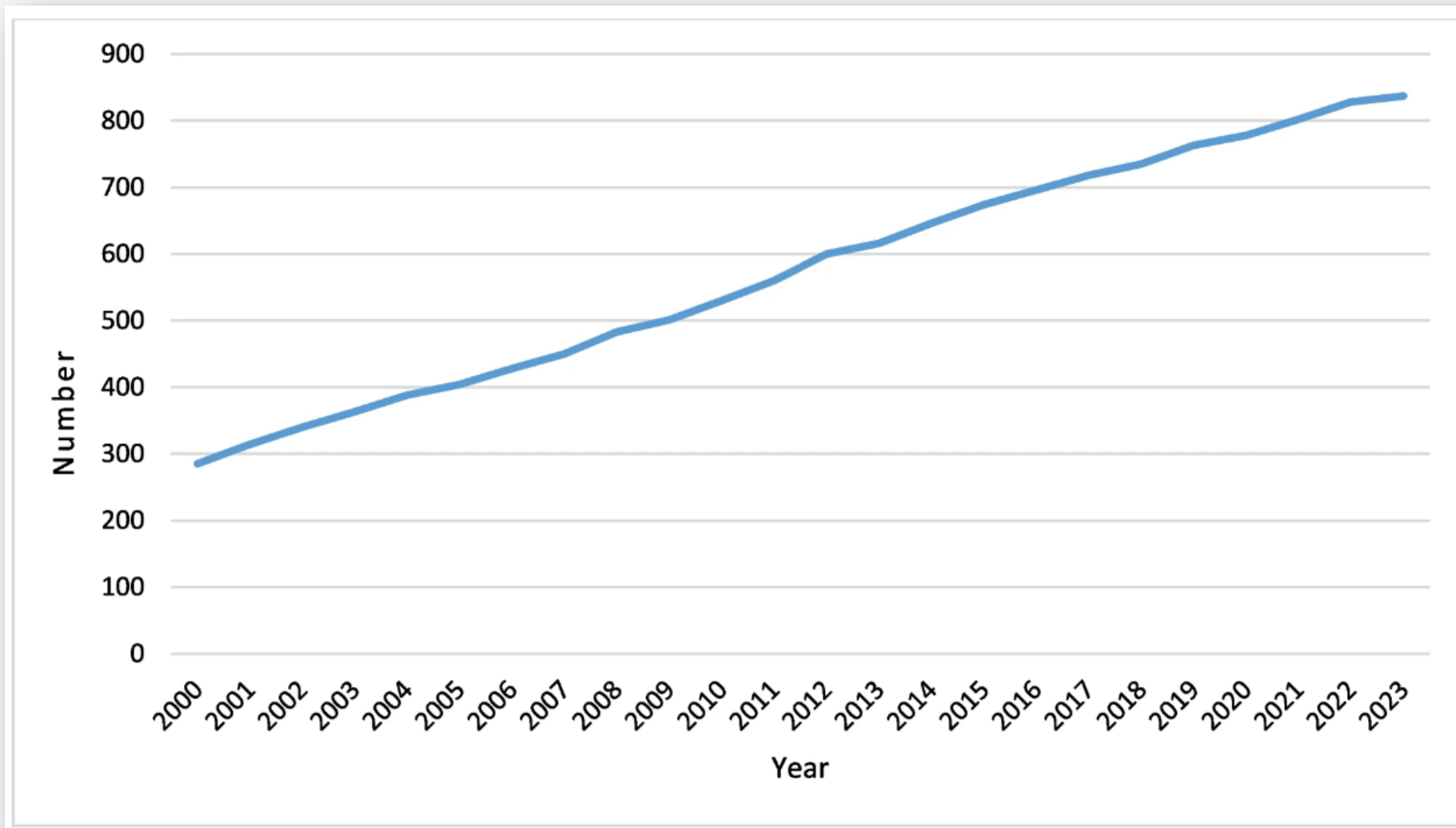
- KDSF is the standard for research information in the German science system
 - a basic data model with different categorisation and classification schemes
 - a set of reference queries, on how to aggregate the basic data to use it for reporting or research assessment
- In the basic data model, the KDSF standard also covers structures for research prizes and prize awarding*
- But there was no consensus which prizes have to be covered by the KDSF standard
- A project was started to get an overview of the landscape of prizes and awards and to compile a list of relevant prizes to be referenced by the KDSF standard



* https://kerndatensatz-forschung.de/kdsf_standard/persistent.php?id=KDSF-B-12-0

The cultures and landscape of prizes and prize awardings are manifold

Number of prizes and awards awarded by medical societies in Germany 2000–2023 has nearly tripled



Halling, T., Mambrey, V., Steinert, J. et al. (2025) The Gender Award Gap in German medical societies 2000–2023: the Fritz-Külz-Award as an example. Naunyn-Schmiedeberg's Arch Pharmacol 398, 10877–10886. <https://doi.org/10.1007/s00210-025-03892-8>

Survey under professional societies in Germany depicts heterogenous landscape of relevant prizes and awards

- Survey conducted during the KDSF specification project in 2014
- 259 professional societies in Germany asked to name relevant / prestigious prizes and awards
- 70 answers
- 591 prizes and awards named all in all
- 554 prizes and awards named only once (~94%)
- Compared with another list of 1468 prizes (from literature and search in 2008) there is only an overlap of ~6%

Prizes, awards and honours in research information management

- Lack of curated databases of prizes along with relevant metadata, categorisations, PIDs
 - Makes the monitoring of the prize landscape as well as prize awardings difficult
 - Thwarts the systematic integration of prizes and prize awardings in research information management
- Established metadata standards like CERIF covers structures about prizes and prize awardings only to some extend

Prize Award (class)

Machine Name: **cfPrize**

Something offered or won as an award for superiority or victory, as in a contest or competition.

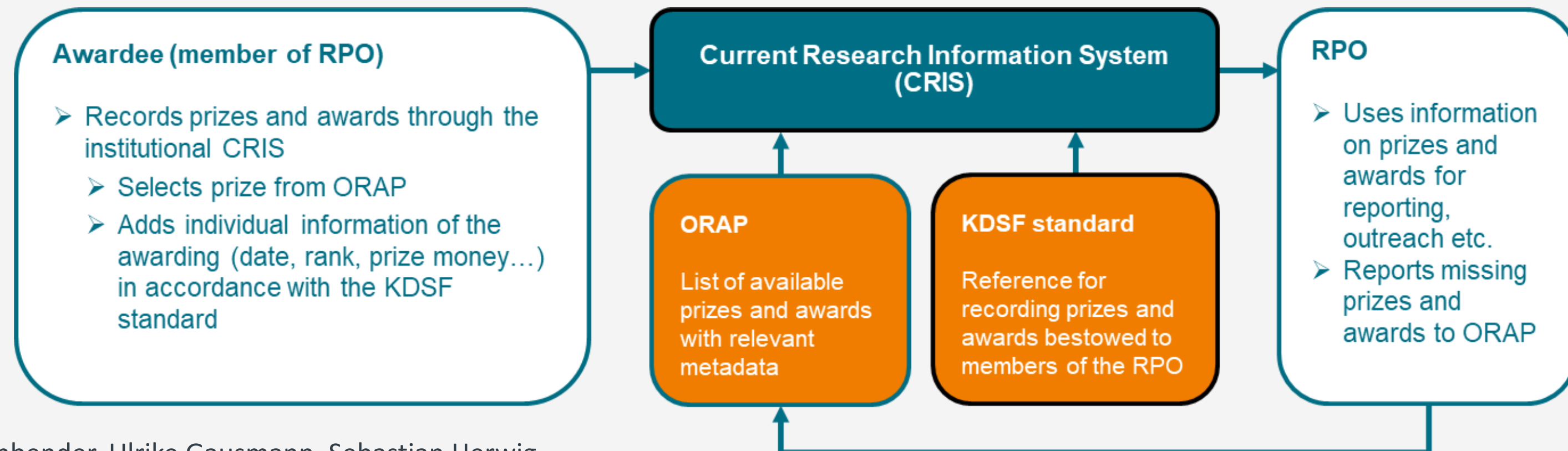
Definition Source: <http://www.thefreedictionary.com/prize>

	id	name	type
1	cfPrizeId	Prize Award Identifier	Identifier (max 128 chars)
0-1	cfURI	Uniform Resource Identifier	string
0-N	cfName	Name	Multi-lingual text field
0-N	cfDescr	Description	Multi-lingual text field
0-N	cfKeyw	Keywords	Multi-lingual text field
0-N	cfOrgUnit_Prize	Relationship with Organisation Unit	
0-N	cfPers_Prize	Relationship with Person	
0-N	cfProj_Prize	Relationship with Project	
0-N	cfPrize_Class	Relationship with Classification	
0-N	cfFedId	Federate Identifier	??????

<https://eurocris.org/Uploads/Web%20pages/CERIF-1.5/cerif.html#cfPrize>

ORAP – The Open Registry for Awards and Prizes

- Open master data service for research prizes and awards
 - to provide curated metadata of research prizes and awards
 - along with a metadata schema and relevant categorisations
- Complement to the German KDSF standard for research information
- Published and maintained on: <https://github.com/KFiD-G/ORAP>



Metadata schema and categorisation for prizes and awards of ORAP

Name	Label (translated into English)
ORAP-PRIZE-ID	ORAP-PRIZE-ID
diceratiid	Wikidata Identifier of the prize
label_sprache_original	Name of the prize
label_sprache_original_code	Language of the prize name
label_bezeichnung_en	Name of the prize (EN)
label_bezeichnung_de	Name of the prize (DE)
provenienz_bezeichnung_en	Provenance field prize (EN)
provenienz_bezeichnung_de	Provenance field prize (DE)
Preisverleiher	Awarding organisation
preisverleiher_kat	Category of the awarding organisation
land_verleiher	Country of the awarding organisation
website_preis	Website of the prize
art_flts	Subject of the prize
art_preis_ausz	Type of prize
frueh_karr	Early career stage
preisgeld	Prize money
preisgeld_waehrung	Currency of the prize money
einschraenkung_wirkungsstaette	Restrictions regarding place or organisation of work of the awardee
einschraenkung_wirkungsstaette_gebiet	Restrictions regarding geographical areas
nominierung	Nomination
laufzeit_beginn	Start date of the prize
laufzeit_ende	End date of the prize

- scientific sector
- economic sector
- public sector
- foundation
- other

- research
- teaching
- transfer
- other

- scientific prize
- scientific award

- organisation-related
- DACH region
- international
- other
- no restriction

ORAP currently contains 1.929 (inter)national research prizes and awards compiled by matching different sources

- Wikidata: selection of prizes and awards based on the attribute “science award” (Q11448906) or “award” (Q618779)
- Internal list of prizes by the University of Münster, among others
- Internal list of the German Institute for Research Information and Quality Assurance based on a survey from 2014 among German scientific associations
- Internet resource #InnovativeFrauen (in German)
- Webpage of the journal “Forschung & Lehre” covered issues from January 2022 to April 2023 (in German)
- List of prizes and awards obtained from the applications for the excellence strategy in the 2019 round



Exhibition of trophies, cups and medals collected by Jens Weißflog – German Ski jumping legend

Case study: prizes and prize awardings at the University of Münster

- Runs it's institutional CRIS (Converis from Clarivate) since 2011
- From the very beginning prizes and prize awardings are part of the data model as two separate entity types
 - Tabular reports for the regular meetings of Senate and University Council with prize awardings also for smaller achievements or beyond of research
 - University of Münster also publishes information about selected prestigious prizes, the awardees and honoured activities on its institutional website
- The data model has evolved over the course of several iterations - driven by new reporting requirements (e.g., the NRW state research report)



Universität

Münster

Preisverleihungen und Auszeichnungen

im Berichtszeitraum: 05.11.2025 - 13.01.2026

› FB03 – Rechtswissenschaftliche Fakultät

Preisverleihung Verleiher	Preisträger innen	Einrichtung	Datum der Bekanntgabe	Preisgeld
Dissertationspreis der Rechtswissenschaftlichen Fakultät Universität Münster	Lacis, Victoria	Lehrstuhl für Römisches Recht und Vergleichende Rechtsgeschichte, Bürgerliches Recht und europäisches Privatrecht (Prof. <u>Lohsse</u>)	12/2025	3.000 EUR

› FB04 – Wirtschaftswissenschaftliche Fakultät

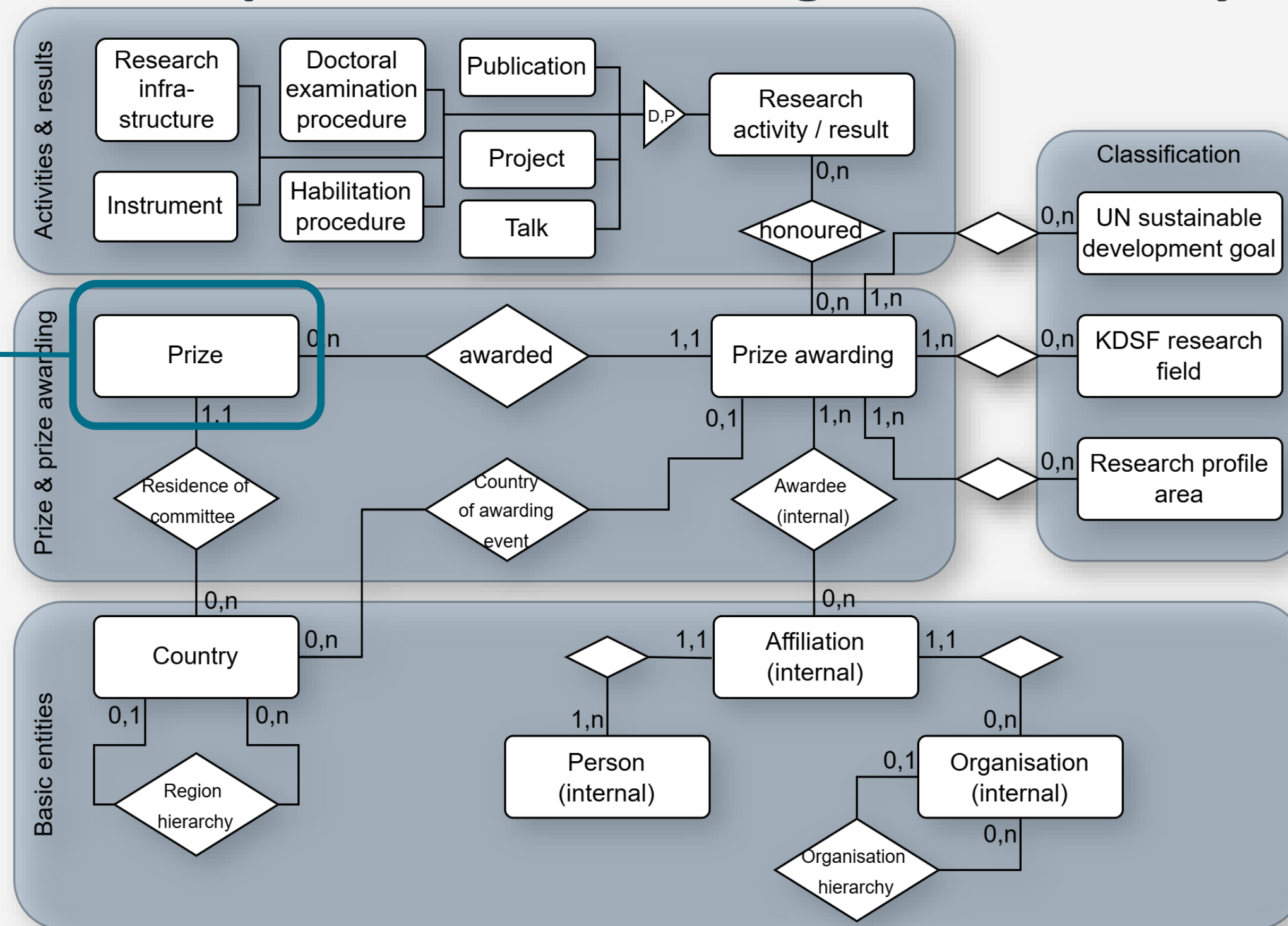
Preisverleihung Verleiher	Preisträger innen	Einrichtung	Datum der Bekanntgabe	Preisgeld
Gleichstellungspreis der Universität Münster Rektorat der Universität Münster	Projekt BEAM (Belonging, Empowerment, Access & Mentorship) (<u>vertreten durch Kurihara, Fumi</u>)	Lehrstuhl für Wirtschaftsinformatik, insbesondere Geschäftsprozessmanagement (Prof. vom Brocke)	11/2025	10.000 EUR
Lehrpreis Wirtschaftswissenschaftliche Fakultät der Universität Münster	<u>Artz, Martin</u>	Lehrstuhl für Controlling und Unternehmenssteuerung (Prof. <u>Artz</u>)	11/2025	-
Lehrpreis für herausragendes Engagement in der Lehre Fachschaft Wirtschaftswissenschaften der Universität Münster	Mara Burger; Jan vom Brocke	Lehrstuhl für Wirtschaftsinformatik, insbesondere Geschäftsprozessmanagement (Prof. vom Brocke)	11/2025	-
Dissertationspreis der Wirtschaftswissenschaftlichen Fakultät Universität Münster	<u>Okoutsidou, Christina</u>	Professur für Marketing (Prof. Krafft)	12/2025	3.000 EUR

Design decisions for the data model of prizes and prize awardings at the University of Münster

- Which range of types of prizes, awards, and honours we must cover?
 - A wide range of awards that also recognize personal and smaller-scale achievements that are not exclusively research-related
 - This is also due to the users' needs, e.g. to populate individual webpages
- Should we include grants of prestigious funding schemes such as ERC or Emmy Noether as prizes?
 - Yes, we had to include also prestigious grants, simply because of user acceptance and everyone does
- How to keep track of prize changes in e.g. name, type or award conditions?
 - We do not historicise prize attributes or conditions mainly because of the high maintenance efforts
 - If only minor changes apply, e.g. to the name of the awarding committee, old values are overwritten
 - Otherwise, a new dataset is created and information on the validity period is added to the old one
- How to deal with prize nominations?
 - Nominations are considered as a specific status of a prize awarding and marked accordingly

Conceptual data model of prizes and awardings at University of Münster

corresponds to



Data model of prizes in the CRIS of the University of Münster

Name of the award *

English

German *

Awarded by *

Please separate different awarding organisations with ";" / semicolon (e.g. Alexander von Humboldt-Stiftung; Max-Planck-Gesellschaft).

English

German *

Country the awarding organisation is based at ?



Further details for reporting purposes

Type of award ?

Select Type of award

Is awarded by the University of Münster

☐ Yes

☐ No

Target group of the award ?

Select Area of target audience

Award is or includes a named lecture ?



Awarded since

Awarded until

0/8

0/8

Sponsored by

Please separate different sponsors with ";" / semicolon (e.g. Alexander von Humboldt-Stiftung; Max-Planck-Gesellschaft).

English

German

Description

English

German

B I x_2 x^2 $\frac{1}{2}$ $\frac{3}{4}$

Website of the award or committee

Has to start with "http://" or "https://".

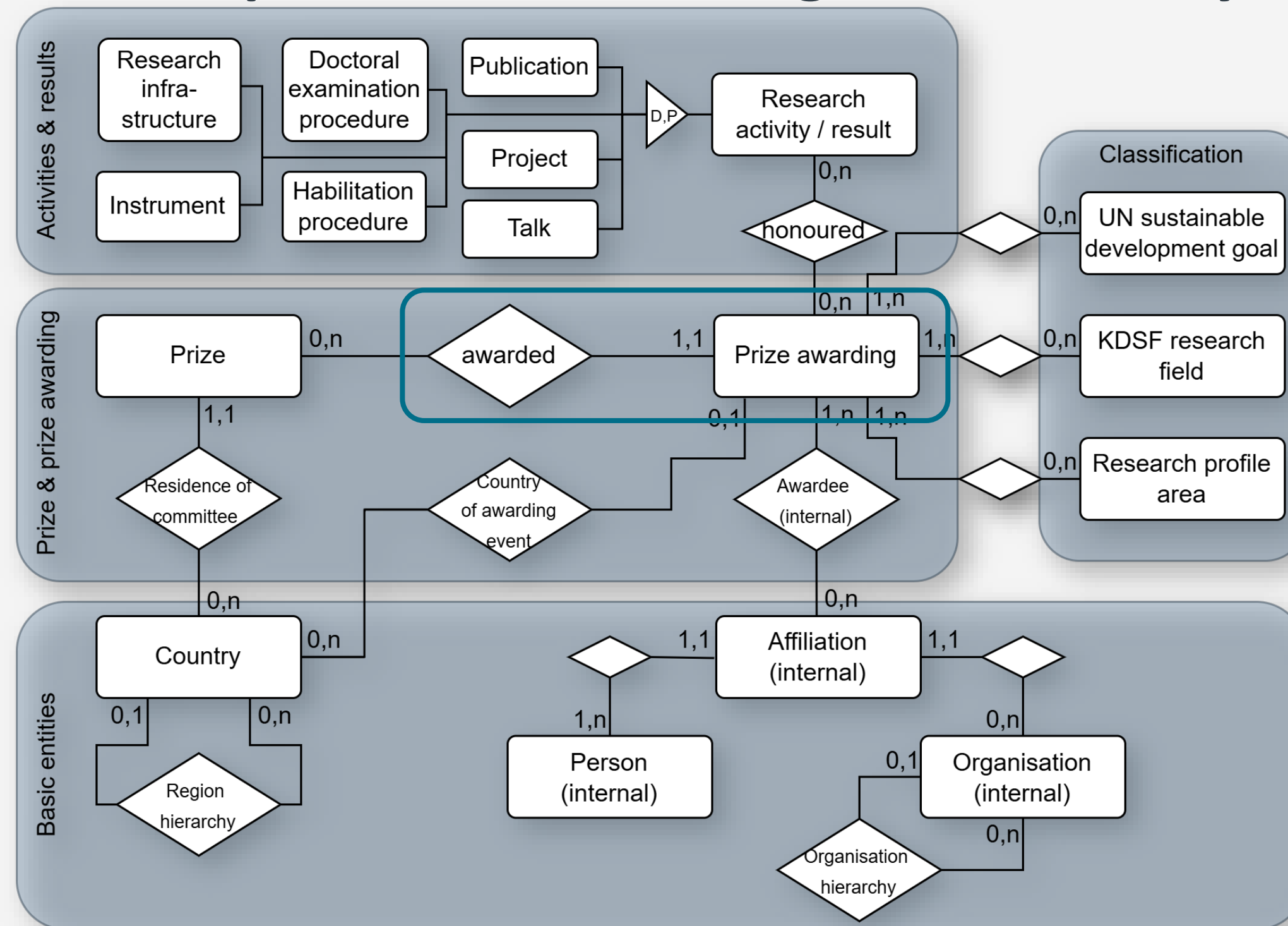
0/1024

Categorisation of prizes and awards at the University of Münster

- **Prizes for academic achievements:** Prize for excellent research, Teaching award, Prize for innovation or transfer achievements, Science communication award, Other
- **Prizes for young researchers:** e.g., Award for the promotion of early career researchers, Dissertation award, Habilitation award, Other
- **Scholarships, fellowships and grants:** e.g., Research fellowship, Doctoral studentship, Travel grant, Other
- **Publication prizes:** e.g., Book prize, Prize for a journal article, Prize for a conference paper, Prize for a conference presentation, Poster prize, Prize for acting as reviewer or referee, Other
- **Personal honours and appointments:** e.g., Honorary professor's degree, Honorary doctor's degree, Honorary membership, Membership of academy of sciences, Other
- **Miscellaneous awards or honours**



Conceptual data model of prizes and awardings at University of Münster



Data model (partly) of prize awardings in the CRIS of the University of Münster

Key Information *

Description

Thematic classification *

Awarded activities

Type of distinction ?

Research award or other distinction

Details about the received award / nomination *

leibniz prize

Search results for leibniz prize

+

Gottfried Wilhelm Leibniz Prize | German Research Foundation (DFG)

Awarded in the category of

You use this field if the award recognizes different types of results or achievements. Of course it is not necessary to give redundant Information like "dissertation" for a dissertation award

English

German

Awarded for the year

0/4

Placement

Select Placement

Awarding announced at *

Date of awarding *

Amount of prize money

0/15

Currency

EUR

Awardees *

Award given to *

Please enter the awardees' names as "last name, first name; last name, first name" without e.g. titles - using "last name 1 comma space first name 1 semicolon space last name 2 comma space first name 2".

0/1024

Awardees of the University of Münster *

Please use the PLUS icon to add persons related to the University of Münster, who received this award or nomination.

	Name	Organisation
1	Herwig, Sebastian	Administrative Division 6.4: Research Information Management

+

Awarded publications

+

Awarded talks or speeches

+

Awarded projects

+

Awarded doctoral examination procedures

How to integrate ORAP with the prize structures at the University of Münster?

Initial Situation

- The current ORAP version does not cover all types of prizes we have in our local model
- ORAP and Münster model capture different characteristics and details of prizes - some in different ways

We plan to...

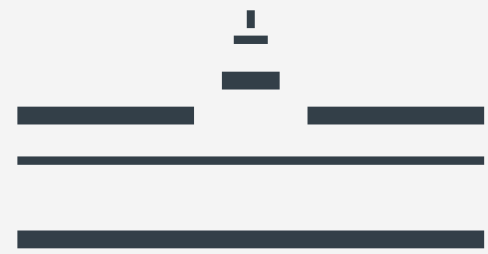
- Assign ORAP-Ids to the prize records in our Münster CRIS and import additional prizes from ORAP
- Enriching and extending the Münster data model to include additional information from ORAP
 - Enriching with details currently not available in the Münster model but considered as useful, e.g., Wikidata-ID
 - Extending with ORAP details may can derived from details in the Münster model but will be stored explicitly
- Details of ORAP, which are not in our focus, will not be included in the Münster model
 - e.g., information about nomination or application procedures
 - based on the ORAP-Id they can be joined on demand

What we learned and want you to take home

- ORAP-Id might serve as PID for prizes, awards, and honours - institutional, local, national, international once
- ORAP can be used as data model blueprint to extend as well as a data source to enrich CRIS systems with structures and master data to keep track of prizes awardings
- The first release of ORAP is only the starting point with a narrow definition of prize and awards that does not yet fulfil the information requirements of all stakeholders and potential users
- ORAP is from the scientific community for the scientific community
- Hands on and pragmatic approaches might also work very well and represents the real scientific world in a more realistic ways



Man of the Match Jan de Boer, Keeper at Bryne FK (N), awarded with four pallets of eggs



Universität
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