

744513 publications in selection:

Related to SDGs (with 98%... 61% | Unrelated to SDGs 39%

**AURORA** SUSTAIN/DEVELOP

Last update: 2022-05-01  
Publication Data received from all Aurora Universities, added to [aurora.openaire.eu](https://aurora.openaire.eu)

WELCOME Universities Collaboration

Filter un-/related publications: All

Filter SDG

Filter University

Filter Organisational Structure: All

**AURORA**

# Open Science & SDG Research Dashboard

Demonstrating the societal influence of our research

OpenAIRE | Open Access Week | 25 Oct 2022  
<https://bit.ly/aurora-sdgs>



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101035804

Co-funded by the Erasmus+ Programme of the European Union



Aurora is a partnership of like-minded and closely collaborating research intensive European universities, who use their academic excellence to drive societal change and contribute to the sustainable development goals.

## Members:

1. University of Iceland (IS)
2. Vrije Universiteit Amsterdam (NL)
3. University of East Anglia (UK)
4. Copenhagen Business School (DK)
5. Universität Duisburg-Essen (DE)
6. Univerzita Palackého Olomouci (CZ)
7. Universität Innsbruck (AT)
8. Universitat Rovira I Virgili (ES)
9. Università di Napoli Federico II (IT)
10. Université Paris Est Créteil val de Marine (FR)



# Open Science

Co-funded by EU: SWAFS programme



This project has received funding  
from the European Union's Horizon 2020  
research and innovation programme  
under grant agreement No 101035804

# WP6 – Open Science

- Task 6.1 - Aurora Knowledge base on Open Science (M1-M24)
  - Lead: UNINA, participants: all
  - Deliverables:
    - An open science function to our SDG dashboard (M18)
    - A shared knowledge base of Open Science resources, policies and best practices (M24)
- Task 6.2 - Establishing Open Science training modules (M10-M24)
  - Lead: UNINA, participants: all
  - Deliverables:
    - Open Science training modules for young researchers (M24)
- Task 6.3 - Creation of networks of Open Science communities (M20-M36)
  - Lead: VUA, participants: all
  - Deliverables:
    - Open Science Community starter kit and a platform for these communities to interact (M36)

# Aurora Open Science Scope

WP7: citizen engagement



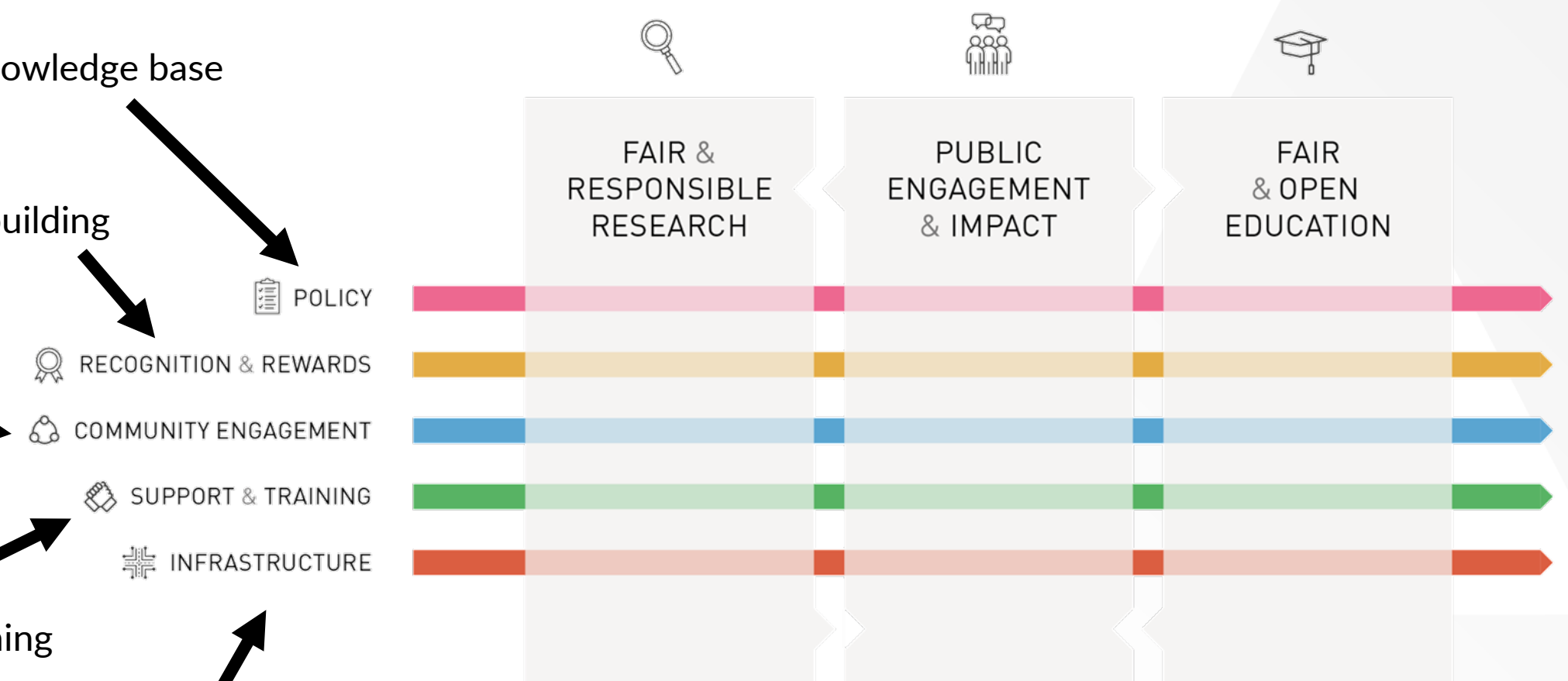
Task 6.1: knowledge base

WP5: capacity building

Task 6.3: OS community building

Task 6.2: OS training

WP3: best practices for infrastructure



## Deliverable 6.1 – OS dashboard (M18)

### Memorandum of Understanding with OpenAIRE

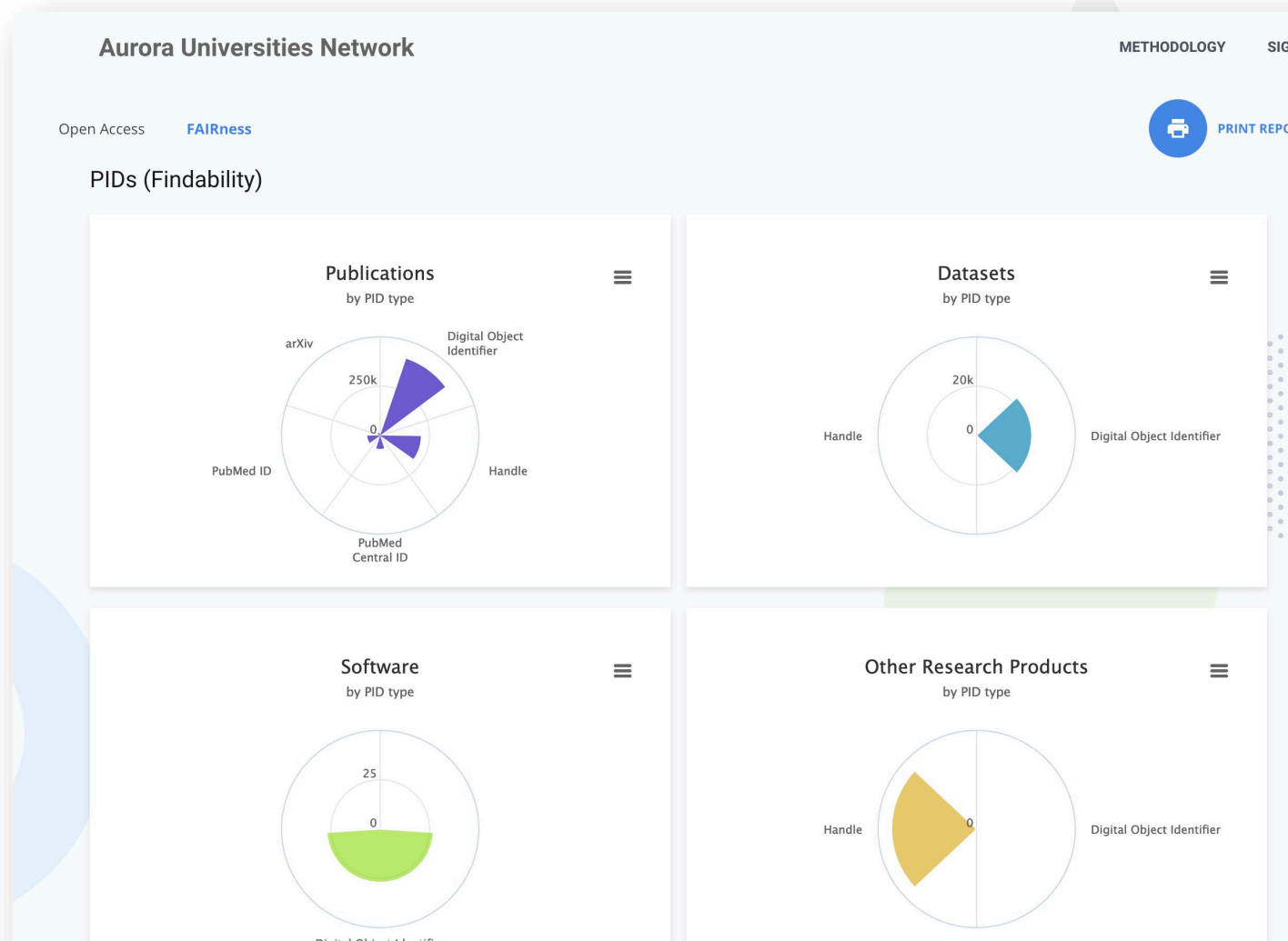
## Deliverable 6.2 – Knowledge base (M24)

### Survey has been sent out to WP members

## Deliverable 6.4 – Network of OS communities (M36)

Starter kit is ready: <https://www.startyouosc.com/>

Loek Brinkman (founder of OSCU) is working on an incubator programme



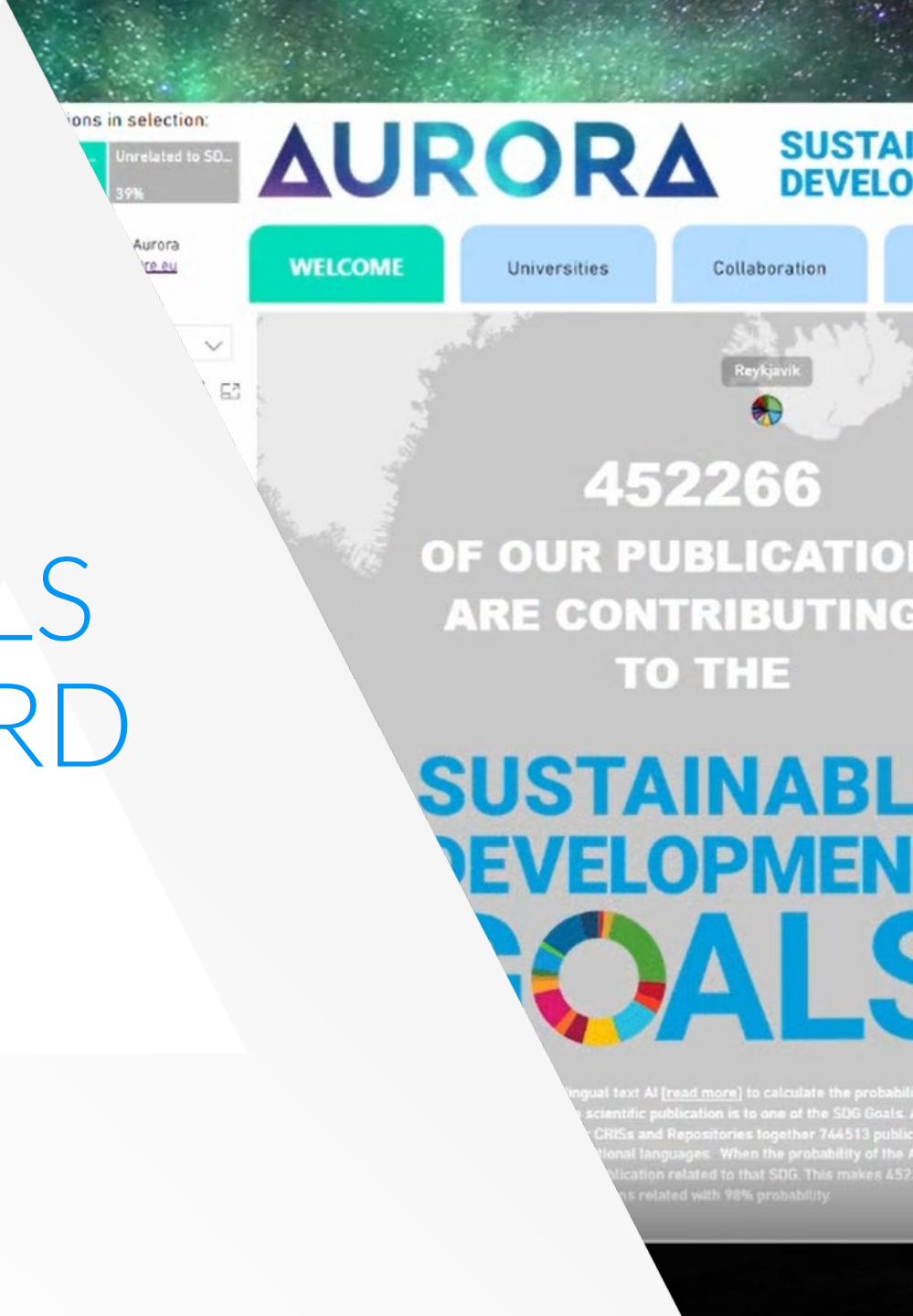
# Open Science Communities



# SUSTAINABLE DEVELOPMENT GOALS RESEARCH DASHBOARD

Co-funded by the EU Erasmus+ Programme

Co-funded by the  
Erasmus+ Programme  
of the European Union





# AURORA

## SDG Research Dashboard

Introduction



CLEAN WATER AND SANITATION



RESPONSIBLE CONSUMPTION AND PRODUCTION

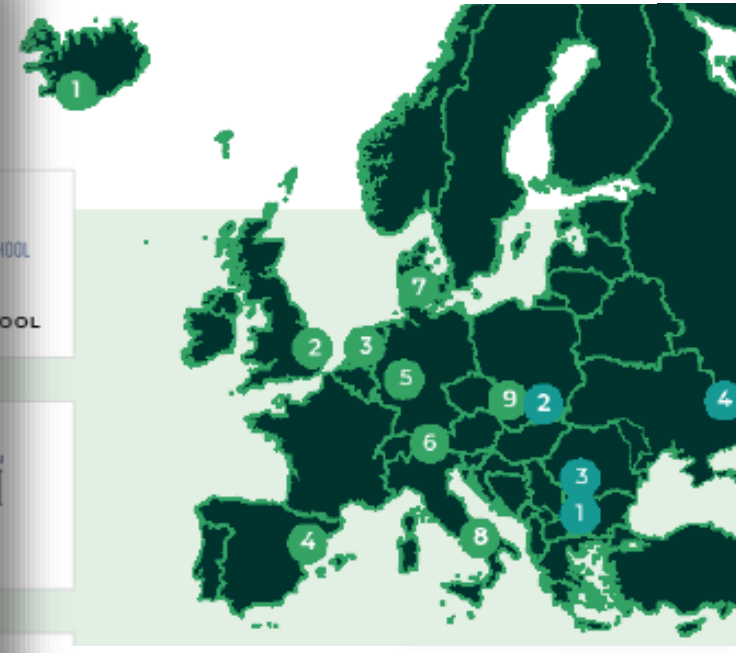


SUSTAINABLE DEVELOPMENT GOALS

# MEET OUR PROJECT TEAM | TASK 5.1: SDG RESEARCH DASHBOARD (ONE OF THE 20+ PROJECT TEAMS IN THIS UNIVERSITY ALLIANCE)



## AURORA ALLIANCE



**UNITING**

**260.000**  
Students

**30.000**  
Staff

**673.922**  
Alumni

**813**  
Research  
Groups

**112**  
Faculties

### Work package 5: Aurora Sustainability Pioneers

**Task 5.1 Aurora SDG  
Research Dashboard**

**Task 5.2 Aurora  
Sustainability  
Education**

**Task 5.3 Aurora  
Sustainable  
Campus  
Action plan ASCA**

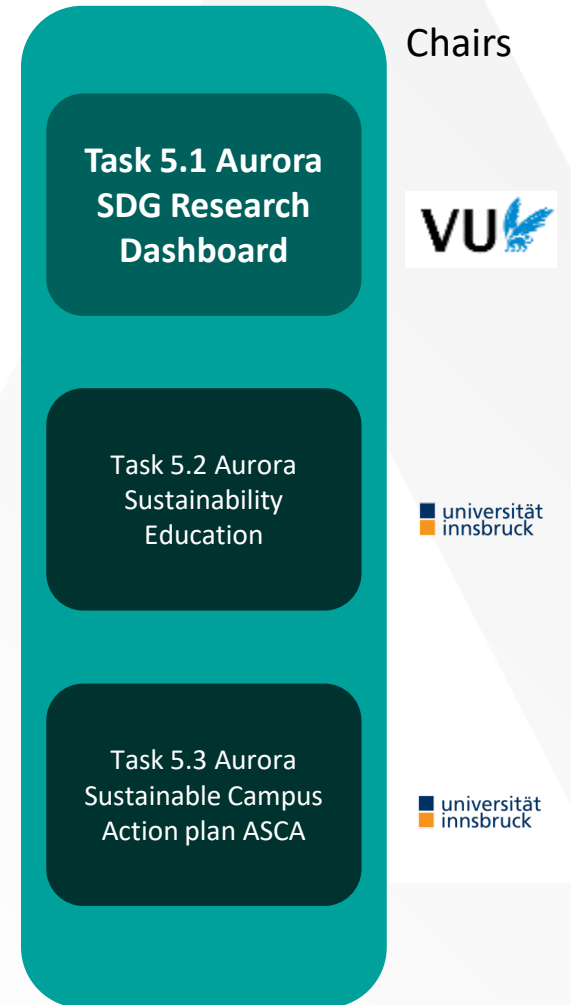
# 5.1 AURORA SDG RESEARCH DASHBOARD

## WHAT IS THE OBJECTIVE FOR THIS TASK?

- To turn the SDGs into a leading narrative for research in the Aurora Alliance.

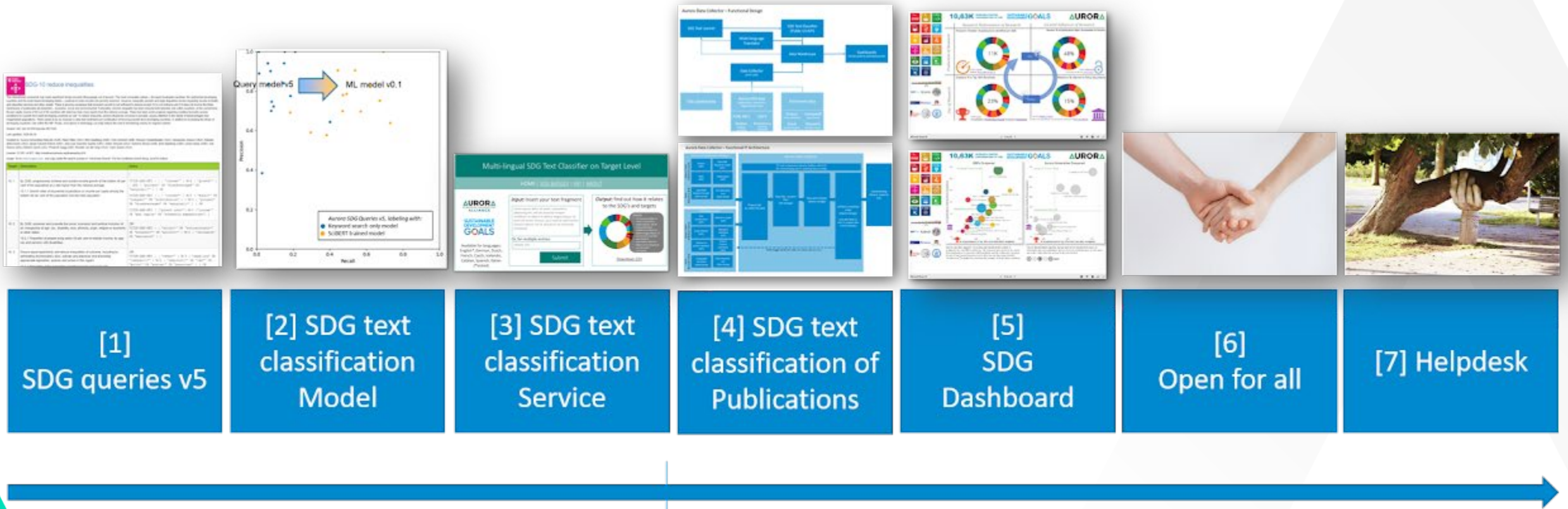
### Results in 2023:

- The SDG Research Dashboard to become a robust and operational tool.
- The SDG Research Dashboard is available for other universities and networks.



# PROJECT TIMELINE

Task 5.1 Aurora  
SDG Research  
Dashboard



<https://sites.google.com/vu.nl/aurora-sdg-research-dashboard/about/deliverables>

<https://bit.ly/aurora-sdgs>

# Aurora's Collaborative Statement



Aurora is a partnership of like-minded and closely collaborating

- 1 research intensive (1) European universities,
- 2 who use their academic excellence (2)
- 3 to drive societal change (3)
- 4 and contribute to the sustainable development goals (4).

# Proxy Indicators



1

research intensive (1): publications as research output

2

academic excellence (2): field weighted citation impact

3

drive societal change (3): open accessible,

used in policy documents,

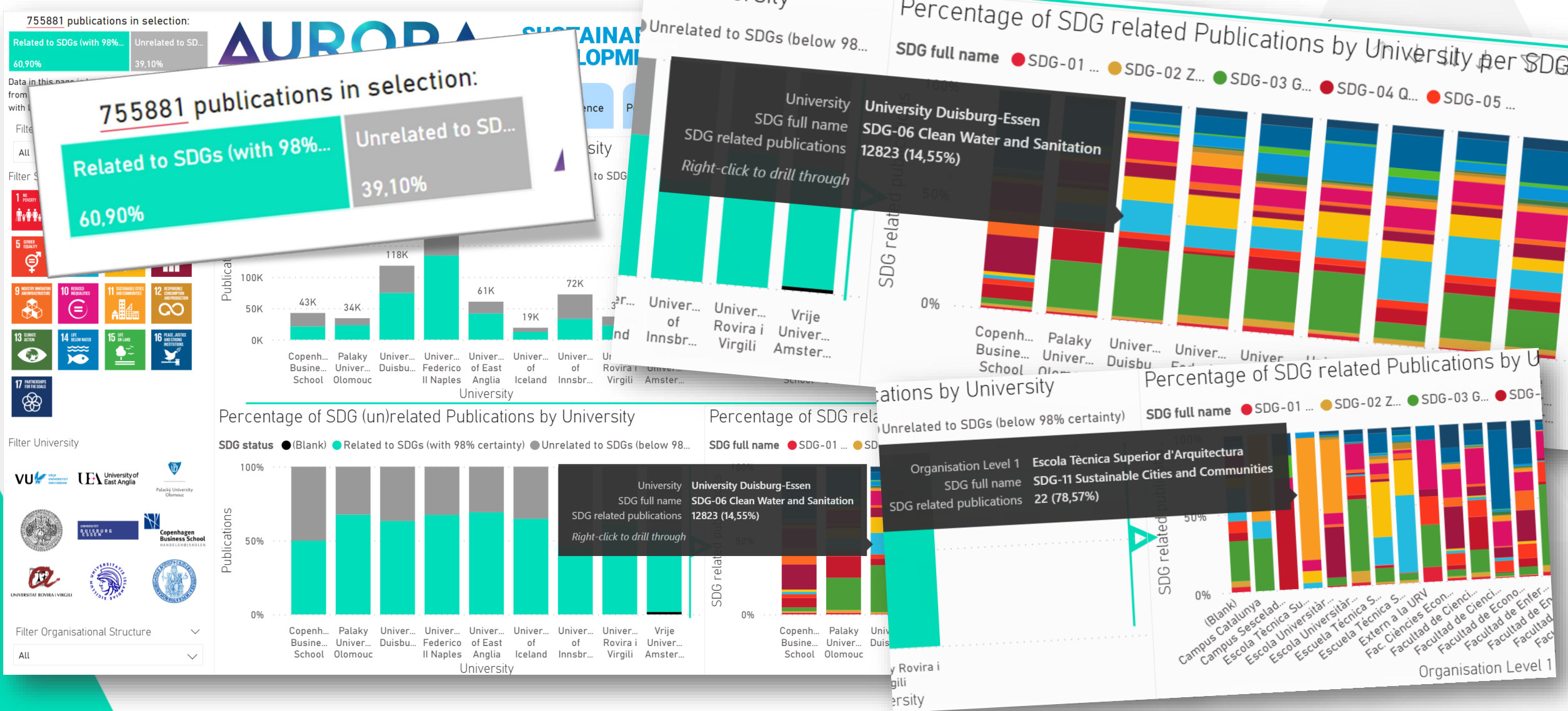
used in patents,

used in news

4

sustainable development goals (4): filter SDG related research

# Proxy Indicators: research intensive (1): publications, segmented by SDGs (4) (source: university research information systems)



# Co-author Collaboration: research intensive (1): publications, segmented by SDGs (4) in example: co-authorship with institutes in Land Locked Developing Countries (LLDC)

3150 publications in selection:

Related to SDGs (with 98% certainty): 74.62%

Unrelated: 25.38%

Additional Enriched Data in this page is based on 1380 references found in Scival.com, a Scopus Index based analytics dashboard

Filter un-/related publications: All

Filter SDG:



Filter University:



## AURORA SUSTAINABLE DEVELOPMENT GOALS

WELCOME Universities **Collaboration** Open Access Excellence Policy Impact News Impact Patent Impact

Co-Authors by Country  
26/26 displayed



© 2022 TomTom, © 2022 Microsoft Corporation, © OpenStreetMap

### RESEARCH DASHBOARD

Excellence vs Impact Collaboration Heatmap Q&A University Page

Continent, Region, Country: All

Collaborating Institutions: All

- Land Locked Developing Countries
- Least Developed Countries

University of Naples Federico II	2K
Charles University	2K
Commissariat à l'énergie atomique et aux énergies alternatives	2K
United States Department of Energy	2K
Institute for High Energy Physics	2K
University of Wisconsin-Madison	2K

Author: All

Author	Publications
Aad, G.	505
.....	457
Kneringer, E.	444

All Science Journal Classification (ASJC) field: All

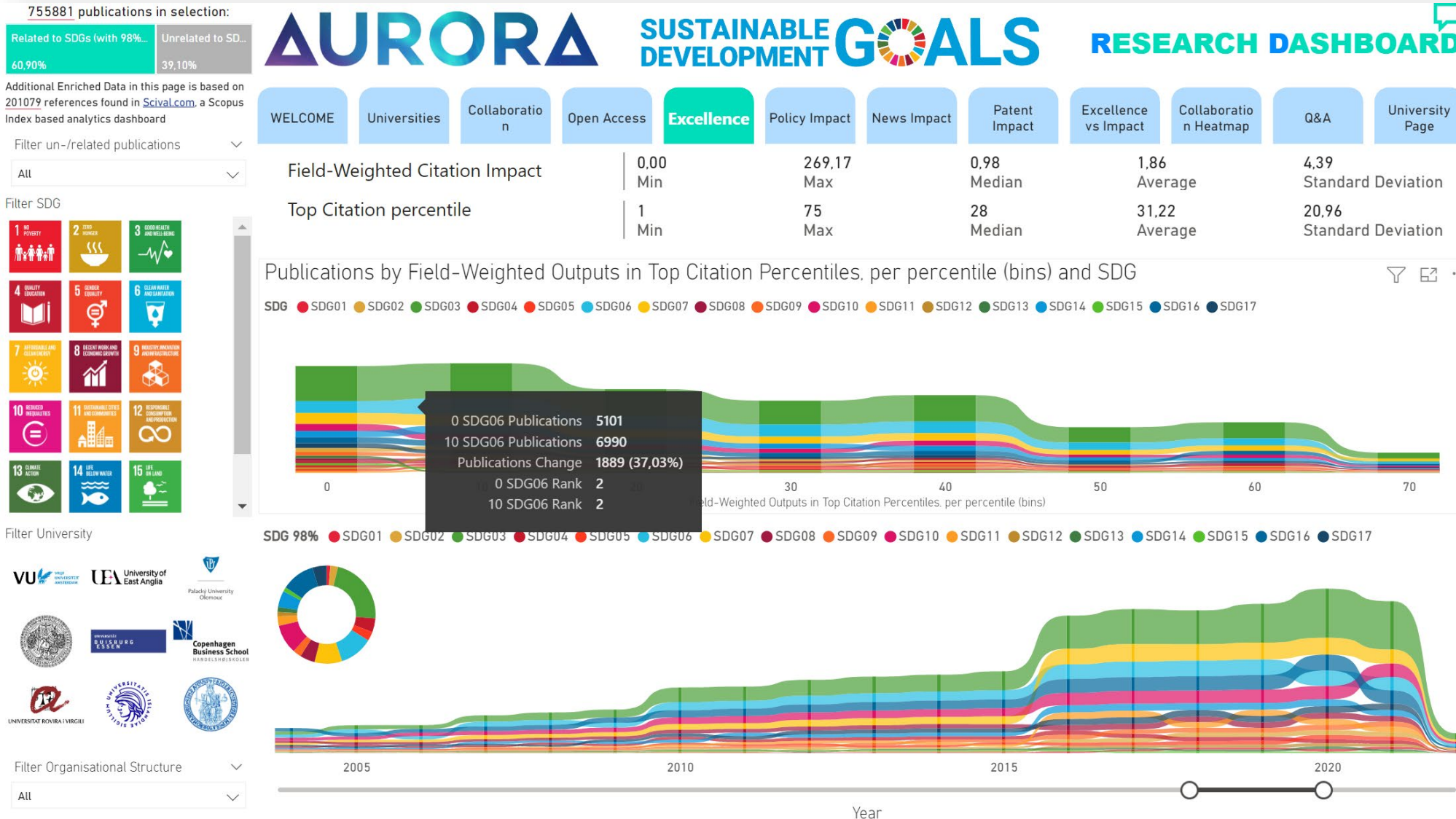
All Science Journal Classification (ASJC) field	Publications
Engineering (miscellaneous)	1004
Physics and Astronomy (miscellaneous)	1004
Nuclear and High Energy Physics	765

SciVal Topic Cluster: All

SciVal Topic Cluster	Publications
Decay, Quarks, Neutrinos	1703
.....	252
Galaxies, Stars, Planets	137



# Research excellence (2): field weighted citation impact (data source: scival.com)



# Drive societal change (3): open accessible (data source: unpaywall.org)

313903 publications in selection:

Related to SDGs (with 98% cert...): 70.38%

Unrelated ...: 29.62%

Additional Enriched Data in this page is based on references found in [Unpaywall.org](http://Unpaywall.org), an Open Access tracking database

Filter un-/related publications: All

Filter SDG: [Grid of 15 SDG icons]

Filter University: [Logos of VU, UEA, Palacky University, University of Duisburg-Essen, Copenhagen Business School, Universitat Rovira i Virgili, Universitat de València, Universitat de Girona]

Filter Organisational Structure: All

## AURORA

### SUSTAINABLE DEVELOPMENT GOALS

#### RESEARCH DASHBOARD

WELCOME Universities Collaboration **Open Access** Excellence Policy Impact News Impact Patent Impact Excellence vs Impact Collaboration Heatmap Q&A University Page

Open access status. Open access color

(Blank)

False

True

- closed
- bronze
- gold
- green
- hybrid

Publications by Open access status and SDG

Publications by Open Access Color and SDG

Open Access Color

- bronze
- closed
- gold
- green
- hybrid

2019 green Publications: 3974

2020 green Publications: 3720

Publications Change: -254 (-6.39%)

2019 green Rank: 3

2020 green Rank: 3

Year

# Drive societal change (3): used in policy documents

(data source: overton.io) in example: used by governments in Least Developed Countries (LDC)

541 publications in selection:

Related to SDGs (with 98% certainty) Unr... 15,...


84.97%

Additional Enriched Data on this page is based on 512 references found in Overton.io, a Policy index database


Filter un-/related publications

All

Filter SDG




Filter University



Filter Organisational Structure

All

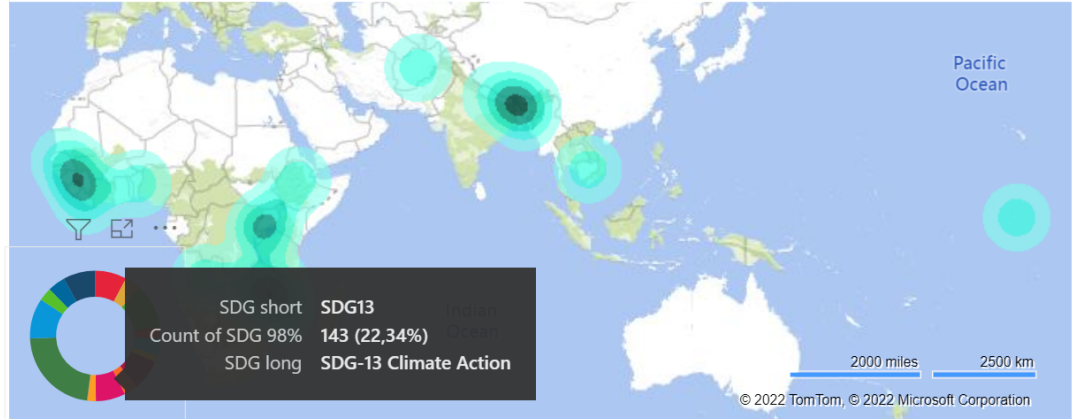


RESEARCH DASHBOARD

WELCOME Universities Collaboratio n Open Access Excellence **Policy Impact** News Impact Patent Impact Excellence vs Impact Collaboratio n Heatmap Q&A University Page

Policy Sources by Country | Policy Documents citing Publications

17/17 displayed



SDG short **SDG13**

Count of SDG 98% **143 (22,34%)**

SDG long **SDG-13 Climate Action**

Policy Documents

All

policy_do...	link	Policy Outlet	Policy Document
acodeug...	<a href="#">link</a>	Advocates Coalit...	Uganda national cli
acodeug...	<a href="#">link</a>	Advocates Coalit...	Assessing Public E
areuaf-0...	<a href="#">link</a>	Afghanistan Res...	Decisions, Desires .
areuaf-2...	<a href="#">link</a>	Afghanistan Res...	Afghanistan Resear
areuaf-3...	<a href="#">link</a>	Afghanistan Res...	Household Water Ir
areuaf-5...	<a href="#">link</a>	Afghanistan Res...	Gaining Some Grou
areuaf-7...	<a href="#">link</a>	Afghanistan Res...	On borrowed time 1
areuaf-9...	<a href="#">link</a>	Afghanistan Res...	Afghanistan Livelih
areuaf-9...	<a href="#">link</a>	Afghanistan Res...	Water rights and cov

Publications

All

Title	Author	Univer
"Let's do it ourselves"	Vasileiadou, E.	Vrije U
Individual motivations for investing in renewables at community level	Docl, G.	
A Carbon Cycle Science Update Since IPCC AR-4	Dolman, A.J.   van der Werf, G.R.   Ganssen, G.M.   Erisman, J.W.   van der Molen, M.K.	Vrije U
A comparison of changes in river runoff from multiple	Veldkamp, T.I.E.	Vrije U

Continent, Region, Coun...  Small Island Devel...  Land Locked Devel...  Least Developed C...

All

Policy Sources

All

Government of Nepal	534
Government of Uganda	247
Cambodia Development...	42
CODESRIA	28
Government of Rwanda	14
Nepal Center for Conte...	23

Cited articles

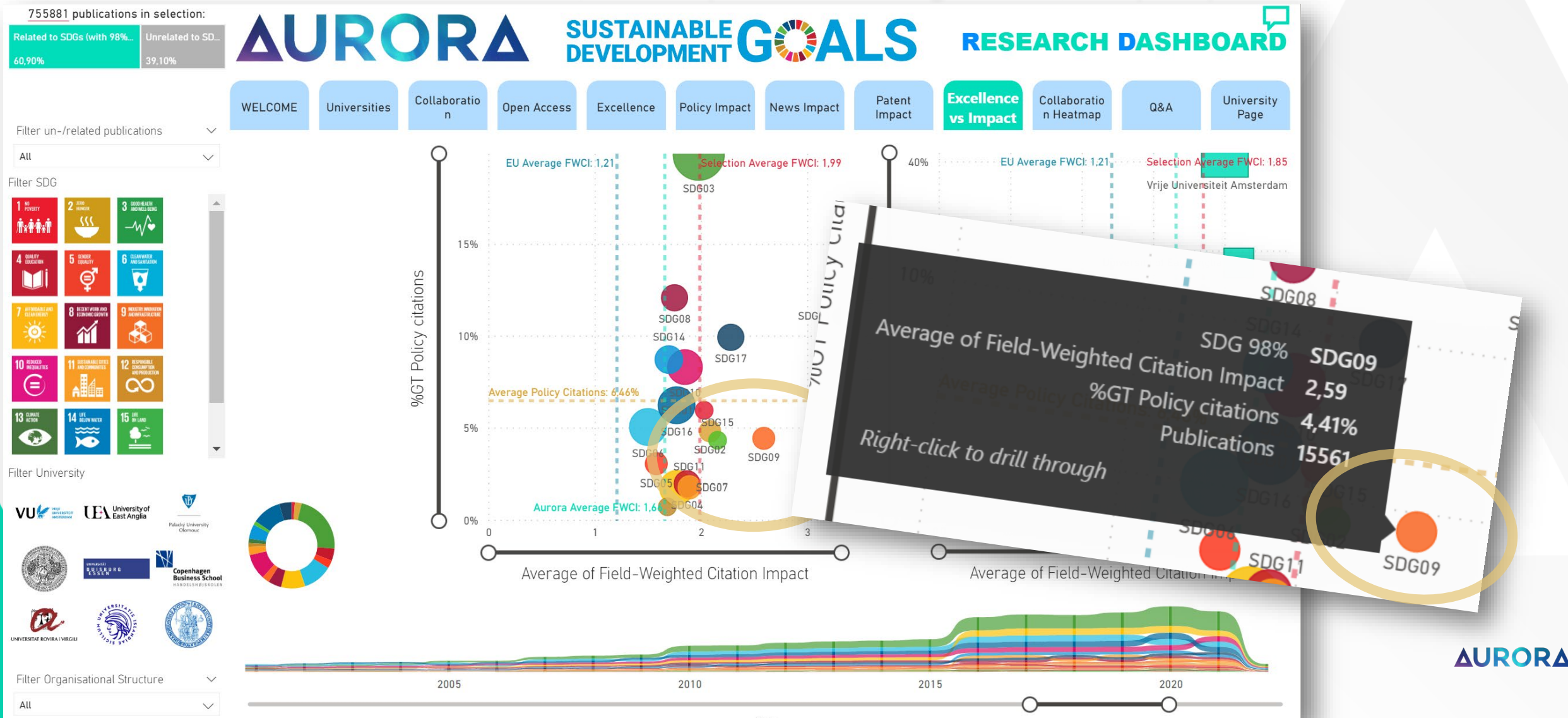
Policy Source Type

All

source_type	Count of DOI
think tank	107
government	415
<b>Total</b>	<b>512</b>

# Spotting untapped potential: Excellent research (2), left unused by policy makers (3)

(data sources: overton.io & scival.com) in example: SDG 9 > high FWCI, low policy citations



# SDG classification service (multi-lingual): SDG API | SDG Badges

in example: classifies a German text; outputs 17 prediction percentages, and an SDG wheel

## AURORA

SDG-Classifier

### Text input

Type in title and abstract or just paste your text fragment in the abstract field. Then click on the "Classify" button.

**Abstract**

The balanced participation of women and men in education and training, the labour market and in leadership positions is crucial for gender equality in the EU. Equal opportunities for women and men to be over-represented in lower paid sectors and occupations, and experience constraints in their professional choices linked to care responsibilities, gender gaps in employment and pay is an urgent economic and social objective, for the individual and for society as a whole. In addition, promoting equality between women and men in the elimination of gender-based violence and protecting and supporting victims.

**Model**

Aurora Multi-SDG classification


We have two different models trained on Aurora data you can choose from. Both are multilabel classifiers, which means they output probabilities for all 17 SDGs. These probabilities are independent and don't need sum up to 1 necessarily. The cornerstone of both models is mBERT, which is a state-of-the-art multilingual model. For our specific task, you may get reasonable results also for texts written in other Germanic languages.

This model is smaller and outputs all the 17 probabilities itself. Due to the differences in architecture and training data balance, the results from both models may differ.

Classify

### Results of classification

Showing all SDGs and their calculated probability in descending order



Goal 5: Gender equality (55%)	Goal 4: Quality education (1%)
Goal 16: Peace, Justice and strong institutions (5%)	Goal 10: Reduced inequalities (4%)
Goal 1: No poverty (3%)	Goal 17: Partnerships for goals (2%)
Goal 12: Responsible consumption and production (1%)	Goal 15: Life on land (1%)

### Embed this badge into your web page:

Copy the following HTML snippet to the place where you want to display the badge:

```
<div class="sdg-wheel" data-model="aurora-sdg-multi" data-text="The balanced participation of women and men in education and training, the labour market and in leadership positions is crucial for gender equality in the EU. Equal access to quality education and training is essential to be over-represented in lower paid sectors and occupations, and to close the gender employment gap is mirrored in the significant gender pay gap. Closing the gender pay gap as a whole. In addition, promoting equality between women and men in the elimination of gender-based violence and protecting and supporting victims."
```

Add the following JavaScript snippet to the bottom of your page:

```
<script src="https://sdg-classifier.aurora-universities.eu/resources/..."></script>
```

# Turning SDGs as a Leading Narrative: SDG classification as a Service | Multi-lingual | SDG Badges | Research, Courses and more

## Multi-lingual SDG Text Classifier on Target Level

HOME | [SDG BADGES](#) | [API](#) | [ABOUT](#)



Available for languages:  
English\*, German, Dutch,  
French, Czech, Icelandic,  
Catalan, Spanish, Italian  
(\*tested)

**Input:** Insert your text fragment

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Or, for multiple entries: last column must contain the text fragments

Upload .CSV

Submit

**Output:** find out how it relates to the SDG's and targets



Details: Top 3 | All

- 43% SDG 14 Life below water
- 14%
- 6%
- 2%
- 31% SDG 13 Climate Action
- 10% SDG 9 Sustainable Cities and Communities

[\[more info\]](#)

[Download .CSV](#) | [Embed as SDG-Badge](#)



RESEARCH PORTAL

Home Profiles Research Units **Research output** Datasets Activities Prizes ...

Search...

### 20 Years of global climate change governance research: taking stock and moving forward

PH Pattberg, Cille Kaiser, OE Widerberg, Johannes Strippl

Environmental Policy Analysis, Multi-layered governance in Europe and beyond (MLG)

Research output: Contribution to Journal > Article > Academic > peer-review



Overview Fingerprint

#### Abstract

Research on global climate change governance is no longer primarily concerned with the international legal regime, state practice and its outcomes, but rather scrutinizes the intricate interactions between the public and the private in governing

Access to Document

<https://doi.org/10.1007/s10784-022-09568-5>

UNIVERSITAT ROVIRA I VIRGÍ RESEARCHERS

Search

EN LOGIN Request Regis

Showing 1 to 10 of 3,852 entries

Search in records:

REFERENCE

DATE



CA

#### ON ERLEBNIS IN TRANSLATION KNOWLEDGE

Pym, A.

Cognition And Comprehension In Translational Hermeneutics. 13-35



2021



IQ

#### PERFORMANCE ANALYSIS OF A MICRO HEAT EXCHANGER IN ELECTRONIC COOLING APPLICATIONS

Mokrane, Mandi; Lounis, Mourad; Announ, Mohamed; Ouali, Maamar; Djebiret, Med Ali; Bourouis, Mahmoud;

2021

## Filters

Aurora Universities Network

✕ Publications

## SDG (16)

- 3. Good health (20,789)
- 13. Climate action (10,569)
- 2. Zero hunger (9,187)
- 16. Peace & justice (7,153)
- 10. No inequality (5,825)
- 7. Clean energy (3,589)

Top 100 values are shown in the filters

Search...

Sort by:  
Name ▼

- 1. No poverty (1,400)
- 2. Zero hunger (9,187)
- 3. Good health (20,789)
- 4. Education (2,045)
- 5. Gender equality (547)
- 6. Clean water (2,321)
- 7. Clean energy (3,589)

- View less

## Document Type (23)

- Article (362,305)

The following results are related to [Aurora Universities Network](#). Are you interested to view more results? Visit [OpenAIRE - Explore](#).

Results per page:

10 ▼

Sort by:

Date (most recent) ▼

Download Results

Subscribed

Invite users

496,755 RESEARCH OUTCOMES, PAGE 1 OF 49,676

1 2 3 4 5 >

Publication . Article . 2022

### A Comparison of CPU and GPU Implementations for the LHCb Experiment Run 3 Trigger

OPEN ACCESS ENGLISH



Persistent Identifiers

HANDLE: [1871.1/8615ed23-ce53-4250-9539-8c03aadceb98](https://hdl.handle.net/1871.1/8615ed23-ce53-4250-9539-8c03aadceb98)

Country: Netherlands

The Large Hadron Collider beauty (LHCb) experiment at CERN is undergoing an upgrade in preparation for the Run 3 data collection period at the Large Hadron Collider (LHC). As part of this upgrade, the trigger is moving to a full software implementation operating at the ...



+ Add to ORCID

Publication . Article . 2022

### Medical student engagement in small-group active learning: A stimulated recall study

OPEN ACCESS ENGLISH



Authors: Anne De la Croix; Jan Willem Grijpma; Marianne Mak-van der Vossen; Rashmi Kusurkar; Martijn Meeter;

Publication . Article . 2021

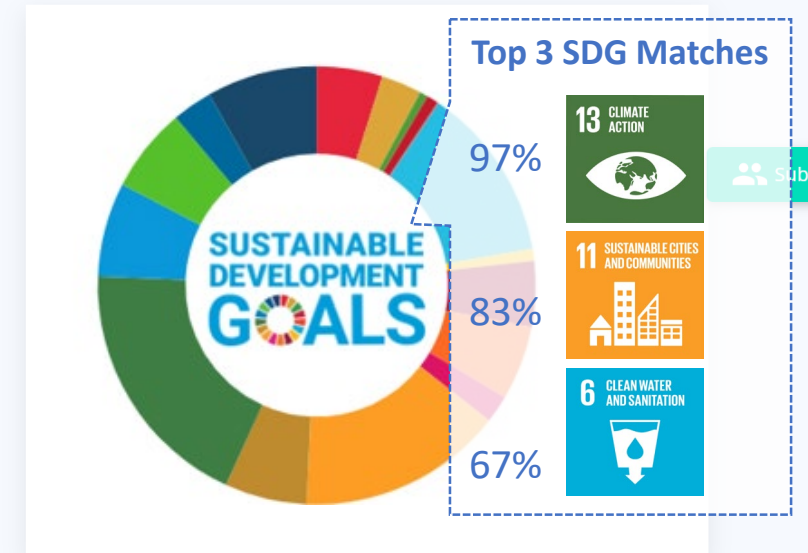
# Sustainable Urban Transportation Criteria and Measurement: A Systematic Literature Review

Lisa Kraus; Heike Proff;

[OPEN ACCESS](#) [ENGLISH](#)

Published: 24 Jun 2021

Country: Germany



Subscribe

## SUMMARY

### Abstract

Sustainable transportation plays a key role in social participation and climate change. However, no universally accepted set of criteria for tracking the progress of urban sustainable transportation projects currently exists; one reason for this is the absence of a standardized lexicon for sustainability measurement elements. Therefore, this paper conducts a systematic literature review and analysis of sustainable transportation criteria using 21 papers from journals listed in the German rating system JOURQUAL3 (JQ3) and published between 2010 and 2020. The paper thus develops a unified vocabulary for sustainability measurement elements that is structured into a hierarchy. The goal (sustainable transportation) presides over the following three sustainability dimensions: objectives (e.g., minimization of traffic clogging), criteria (e.g., congestion), and indicators (e.g., cost of traffic congestion). Within the hierarchy, the main criteria for urban multimodal sustainable transportation are identified as follows: 13 social, 11 economic, and 9 environmental main criteria are determined. The three main criteria used most in the literature exclusively concern the environment. Future research is recommended to assess the interrelations between the criteria as their assignment to sustainability dimensions is ambiguous in the existing literature. This paper helps mobility managers to make decisions about urban transportation concepts and while overseeing projects.

### Communities

#### Communities with gateway

- [Energy Research](#)
- [Transport Research](#)



#### Other Communities

Aurora Universities Network

Download from

[View all 3 versions](#)

[Sustainability](#)



# OpenAIRE Gateway and Monitor

# OpenAIRE | Partnership | Societal Impact & Open Science

SDG Classification  
Service & Knowledge

Aurora Gateway  
[aurora.openaire.eu](http://aurora.openaire.eu)

**AURORA** +  **OpenAIRE**

Open Science Monitor

Users

Open Science Services &  
Training  
[www.openaire.eu/newsletters](http://www.openaire.eu/newsletters)

Societal Impact

Open Science



**EUROPEAN OPEN  
SCIENCE CLOUD**

**AURORA**

# AURORA.OPENAIRE.EU | Aurora Research Output Gateway



DEPOSIT LINK SEARCH ABOUT SIGN IN

## AURORA

### Aurora Universities Network

Research outcomes Search by title, author, abstract, DOI, orcid...

As up-to-date as your own Repository / CRIS

SUMMARY	PUBLICATIONS	RESEARCH DATA	SOFTWARE	OTHER RESEARCH
	496,755	21,397	24	15,735

Aurora consists of research-intensive universities deeply committed to the social impact of our activities, and communities in which we operate. Our overall vision is to use our academic excellence to influence society aiming to contribute to the achievement of the United Nations' Sustainable Development Goals.

<https://aurora-universities.eu/>

Curated by: Maurice Vanderfeesten, Baldwin Zarloh

Created: 30-Nov-2021 Members: 4

Content Providers: 30

Linked to 1 Zenodo Communities

#### Funder (23)

- European Commission (14,458)
- UK Research and Innovation (3,107)
- Wellcome Trust (2,991)
- Netherlands Organisation... (2,561)
- National Institutes of H... (2,273)
- Austrian Science Fund (FWF) (1,697)

+ View all

#### SDG (16)

- 3. Good health (20,789)
- 13. Climate action (10,569)
- 2. Zero hunger (9,187)
- 16. Peace & justice (7,153)
- 10. No inequality (5,825)
- 7. Clean energy (3,589)

Top 100 values are shown in the filters

Search... Sort by: Name

- 1. No poverty (1,400)
- 2. Zero hunger (9,187)
- 3. Good health (20,789)
- 4. Education (2,045)
- 5. Gender equality (547)
- 6. Clean water (2,321)
- 7. Clean energy (3,589)

- View less



Enables the Open Science Monitor

Including the SDGs, Funding data, etc.

Combining

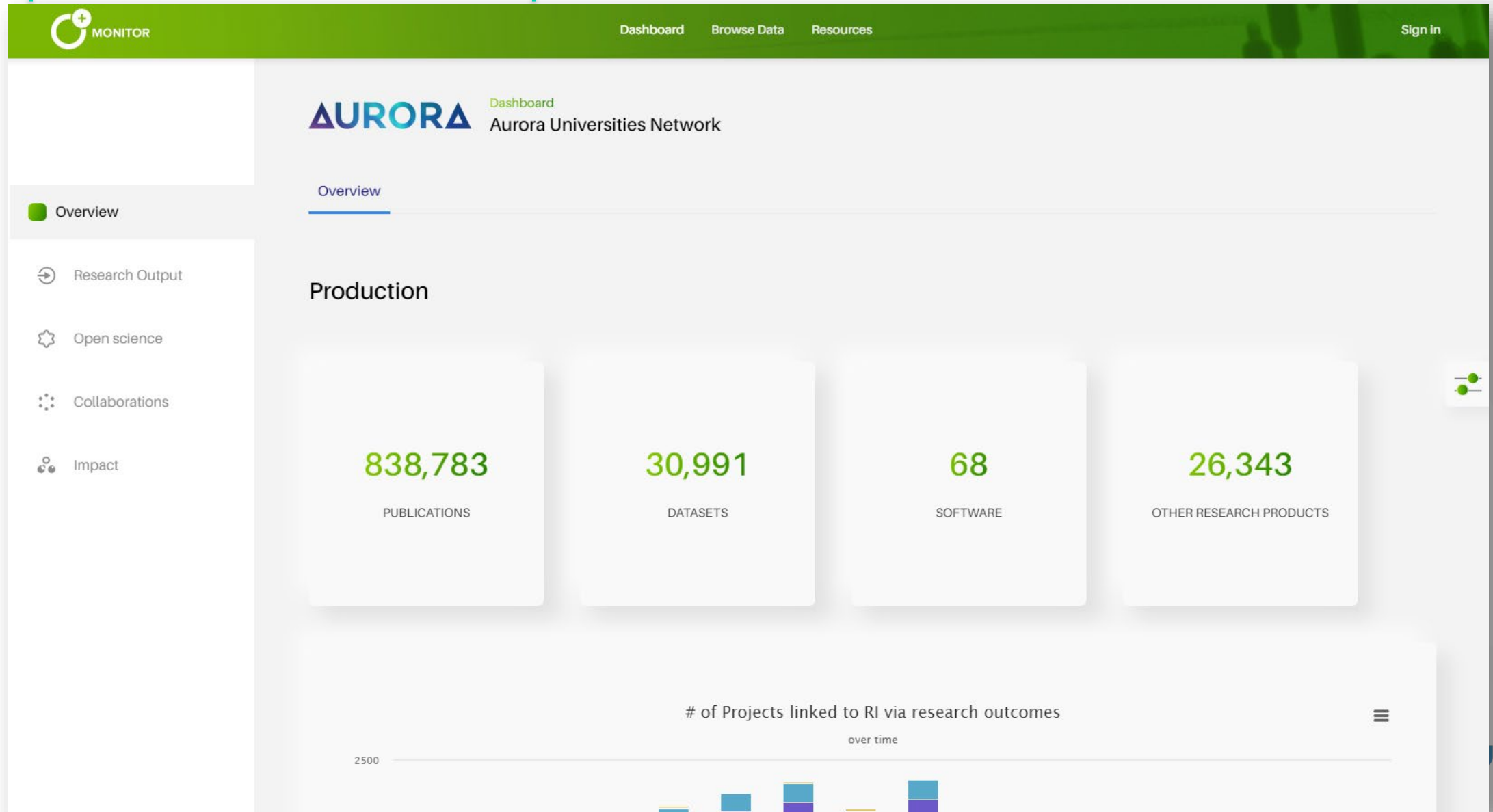
Repositories &

Research Information Systems (CRIS)

of all

Aurora Universities

<https://monitor.openaire.eu/dashboard/aurora>



# Thank you

