



ELSEVIER

Partnerships toward the Goals

*Crowd-sourcing a validation set to improve
the delineation of research publications
relevant to the UN SDGs*

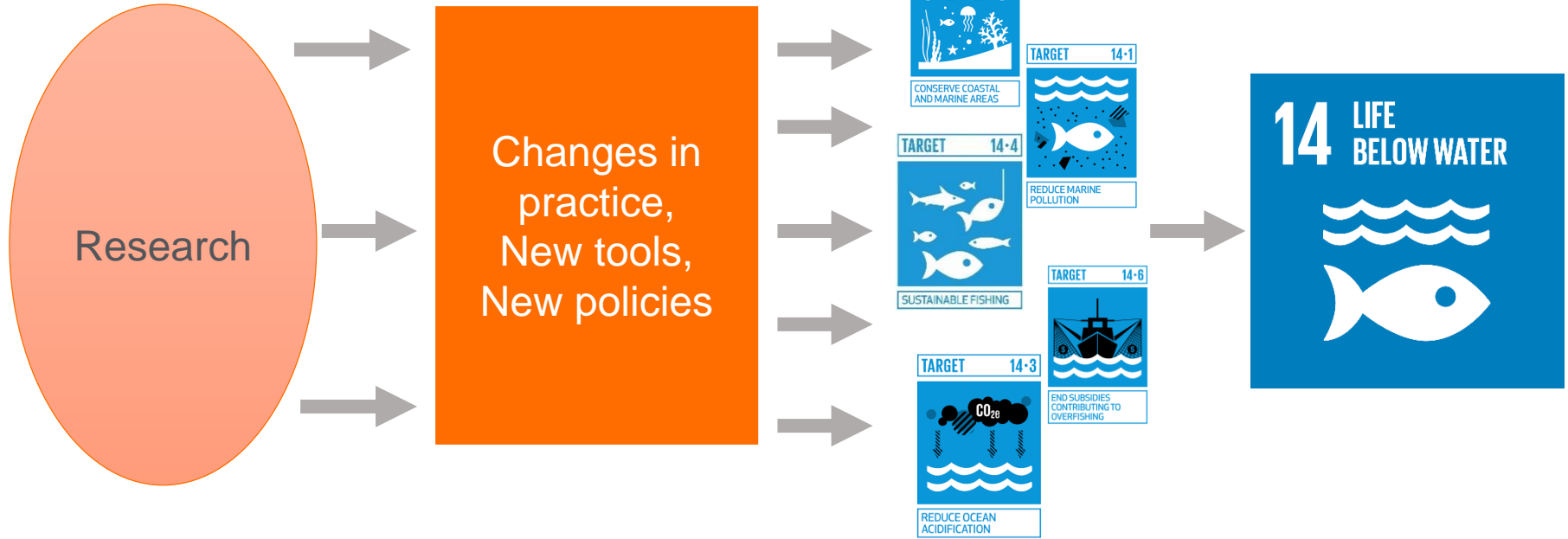
September 4, 2020

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Andrew Plume, President, International Center for the Study of Research



Research lives upstream of the goals

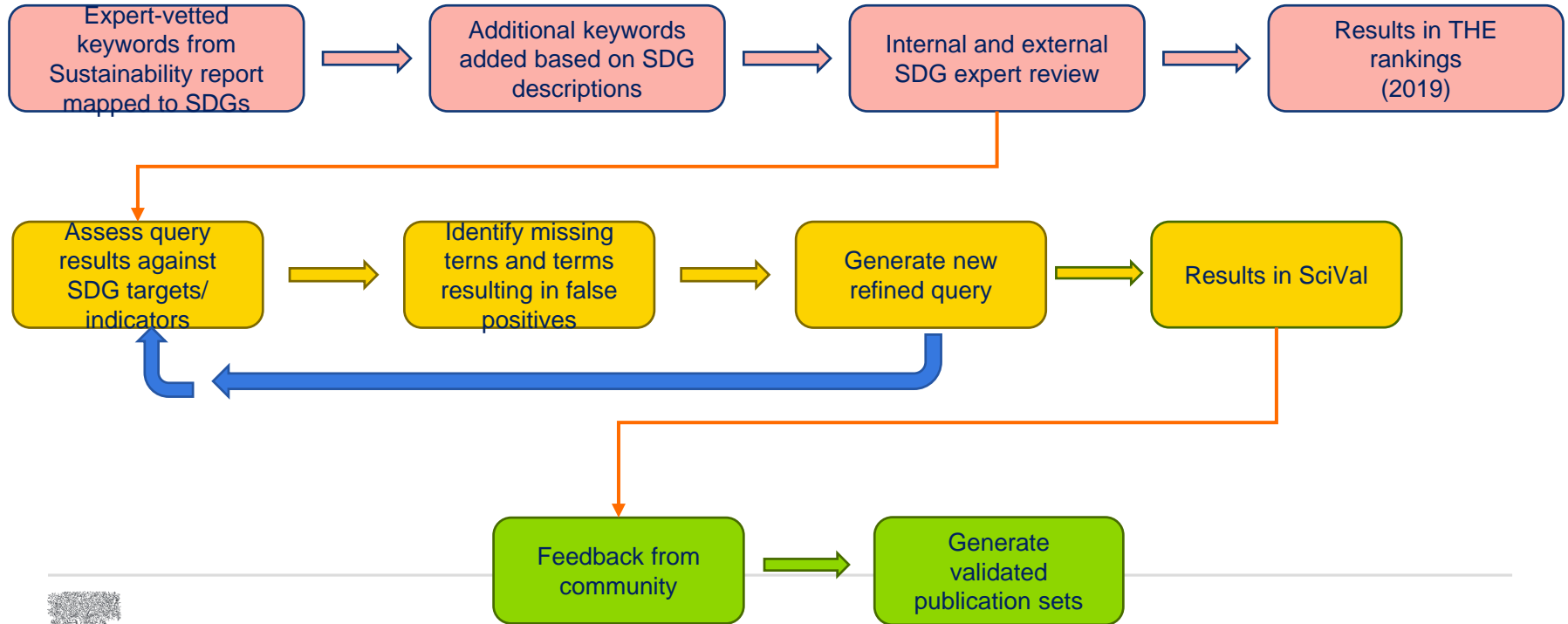


Sustainability research: a starting point

- 2015 Report
- Collaboration with [SciDev.Net](https://www.sci-dev.net/)
- Six key themes that encompass the 17 SDGs
 - *Dignity*
 - *People*
 - *Prosperity*
 - *Planet*
 - *Justice*
 - *Partnership*



Identifying research supporting the SDGs: Where are we and how did we get here?



Lessons learned so far:

Provide the means to be critiqued

- On Mendeley data we uploaded:
- The full Scopus query for each SDG
- The query development methodology documentation for each SDG
- Download them for free from Mendeley:
<http://bit.ly/sdgdocs>

The screenshot shows the Mendeley interface for a dataset. At the top, there's a navigation bar with 'Mendeley' logo, 'Sign in', 'Create account', and 'Download' buttons. Below that, a secondary navigation bar includes 'Reference Management', 'Research Network', 'Datasets' (highlighted), 'Careers', and 'Funding'. A third bar has 'Find Research Data', 'My Datasets', 'New Dataset', and 'FAQ'. The main content area features the title 'Identifying research supporting the United Nations Sustainable Development Goals'. Below the title, it states 'Published: 22 Oct 2019 | Version 1 | DOI: 10.17632/87txkw7khs.1' and lists contributors: 'Bamini Jayabalasingham, Roy Boverhof, Kevin Agnew, Lisette Klein'. There are two columns: 'Description of this data' and 'Latest version'. The description explains the effort to identify research supporting UN SDGs. The 'Latest version' section shows 'Version 1' published on 2019-10-22 with the same DOI. Below this is a 'Cite this dataset' box with the citation text and DOI link. On the left, 'Experiment data files' are listed with a 'Download all files (17)' button. The files are: 'SDG10_Query_documentation_20191010_v1.pdf' (1004 KB), 'SDG11_Query_documentation_20191010_v1.pdf' (1 MB), 'SDG12_Query_documentation_20191010_v1.pdf' (1 MB), and 'SDG13_Query_documentation_20191010_v1.pdf' (930 KB). Each file has a 'Cite' button and a download icon.

Lessons learned so far:

It's better to start and plan to iterate

*“The SDG agenda is extremely important and **the University of Southern Denmark (SDU) welcomes Elsevier’s efforts to deliver Scival tools extracting research publications relevant for different SDGs. This is one approach to help both researchers and research managers in gearing their work towards the unified goals defined by UN. SDU urges further work to develop more accurate next-generation tools to map research to SDGs.**”*

— Maeva Vignes, Funding Advisor,

[University of Southern Denmark Research & Innovation Organisation \(SDU RIO\)](#)



Lessons learned so far:

SDG Queries generate highly variable results

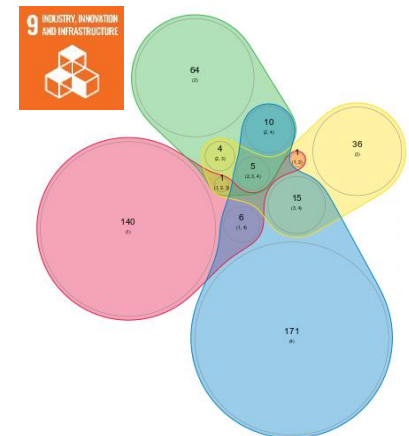
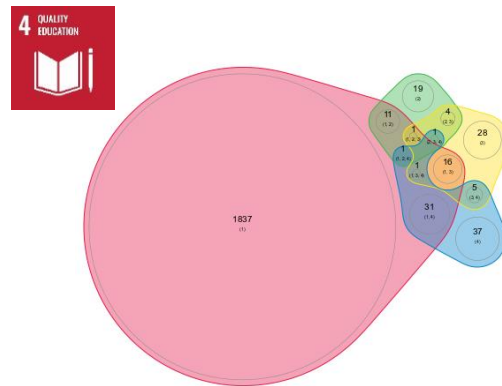
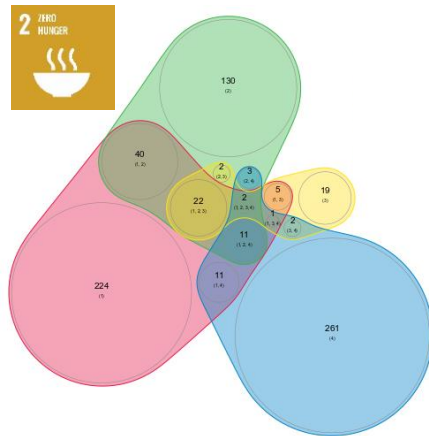
- Venn diagrams showing the overlap between four different queries when assessing research from University of Southern Denmark
- No more than 20% of common publications for the different queries related to a given SDG

“SDU” queries

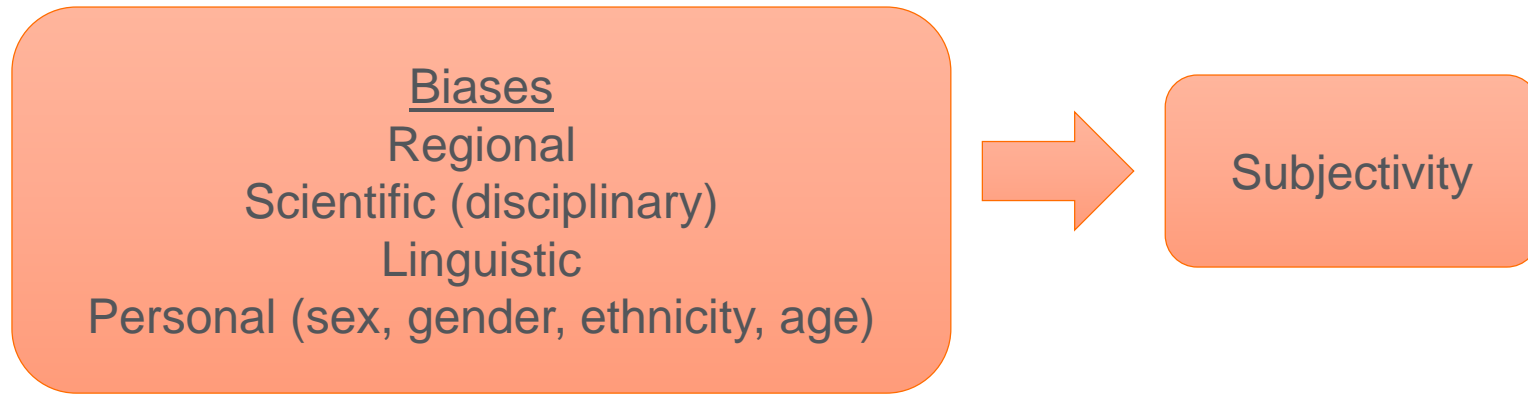
SciVal queries

AURORA queries

Austrian queries



Why is there so much variability in identifying SDG papers?



Proposed solution:

Count as many opinions as possible

Crowd-source the creation of a database of research mapped to SDGs

- Create an accessible and easy to use platform for matching
- Use the SDG targets and indicators as a framework to facilitate matching

Matching research to SDGs

<https://sdgresources.relx.com/match-research-to-sdgs>



Identifying research that supports the SDGs

Research institutions and funders of research are uniquely positioned to support advancement of the sustainable development goals (SDGs). Help us determine how research publications move the needle on achieving the sustainable development goals.

[Match Research to SDGs](#)

1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



Matching research to SDGs

<https://sdgresources.relx.com/match-research-to-sdgs>



View global news



View useful links



Match research to SDG indicators



Join the discussion

Here's how to help:

1. Click *Match to indicators* for any publication in the list below or upload your own publications.
2. Review the information about the publication and the list of targets and indicators relevant to the SDG.
3. Select the indicators that you believe apply to this publication or click *Not applicable* at the bottom of the page.
4. Click *Submit feedback*.
5. Select another publication to review.

1 NO POVERTY

2 ZERO HUNGER

3 GOOD HEALTH AND WELL-BEING

4 QUALITY EDUCATION

5 GENDER

Selected publications

Upload publications

Fianu S., Davis L.B. (2018). A Markov decision process model for equitable distribution of supplies under uncertainty. <i>European Journal of Operational Research</i>	14 citations	Match to indicators
Conti R.M., Bach P.B. (2014). The 340B drug discount program: Hospitals generate profits by expanding to reach more affluent communities. <i>Health Affairs</i>	28 citations	Match to indicators
Clark B.L., Hou J., Chou C.-H., Huang E.S., Conti R. (2014). The 340B discount program: Outpatient prescription dispensing patterns through contract pharmacies in 2012. <i>Health Affairs</i>	5 citations	Match to indicators
Brooks J. (2014). Nursing typhus victims in the Second World War, 1942-1944: A discussion paper. <i>Journal of Advanced Nursing</i>	2 citations	Match to indicators

Matching research to SDGs

<https://sdgresources.relx.com/match-research-to-sdgs>

Match this publication to relevant SDG indicators:

Thank you for helping us match this publication to the relevant indicators for this SDG. Additional information related to this publication is provided below. Terms that are highlighted are believed to be relevant for this SDG. Please use this information to identify all the relevant SDG indicators that you feel this research supports.

Malnutrition: The Importance of Identification, Documentation, and Coding in the Acute Care Setting

© 2016 Jane Kellett et al. Malnutrition is a significant issue in the hospital setting. This cross-sectional, observational study determined the prevalence of malnutrition amongst 189 adult inpatients in a teaching hospital using the Patient-Generated Subjective Global Assessment tool and compared data to control groups for coding of malnutrition to determine the estimated unclaimed financial reimbursement associated with this comorbidity. Fifty-three percent of inpatients were classified as malnourished. Significant associations were found between malnutrition and increasing age, decreasing body mass index, and increased length of stay. Ninety-eight percent of malnourished



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Matching research to SDGs

<https://sdgresources.relx.com/match-research-to-sdgs>

Targets & Indicators

Target 5.1: End all forms of discrimination against all women and girls everywhere

- Indicator 5.1.1: Whether or not legal frameworks are in place to promote, enforce and monitor equality and non-discrimination on the basis of sex
 - Supports target but not specifically the indicators listed above
-

Target 5.2: Eliminate all forms of violence against all women and girls in the public and private spheres, including trafficking and sexual and other types of exploitation

- Indicator 5.2.1: Proportion of ever-partnered women and girls aged 15 years and older subjected to physical, sexual or psychological violence by a current or former intimate partner in the previous 12 months, by form of violence and by age
 - Indicator 5.2.2: Proportion of women and girls aged 15 years and older subjected to sexual violence by persons other than an intimate partner in the previous 12 months, by age and place of occurrence
-



Matching research to SDGs

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Other options

This publication is not applicable to any of the goal's indicators

I don't have the expertise to evaluate this publication

I need more information to evaluate this publication's relevance to the goal's indicators

Please specify in 100 words or less

User information

Tell us a couple of things about yourself.

What country/region are you from?

Canada

What is your level of expertise on this SDG?

- None -

- None -

I conduct research that is directly relevant to this SDG

I support policies related to this SDG

I am a concerned citizen



9/10/2020

Raising awareness and stimulating participation



Source normalized impact per paper
(SNIP): 1.154 ^①

SCImago Journal Rank (SJR): 0.812 ^①

> View More on Journal Insights

You can play a part in identifying publications relevant to each SDG



SDG Resource Centre



Find out more



Your Research Data

Announcements

Visibility. Trust. Choice. Only some of the benefits of publishing open access with Elsevier

Discover how our open access options can help you maximize reach and impact

> View All

News

New special issues coming soon

Congratulations to Dr. Pavel (Paul) Jelen

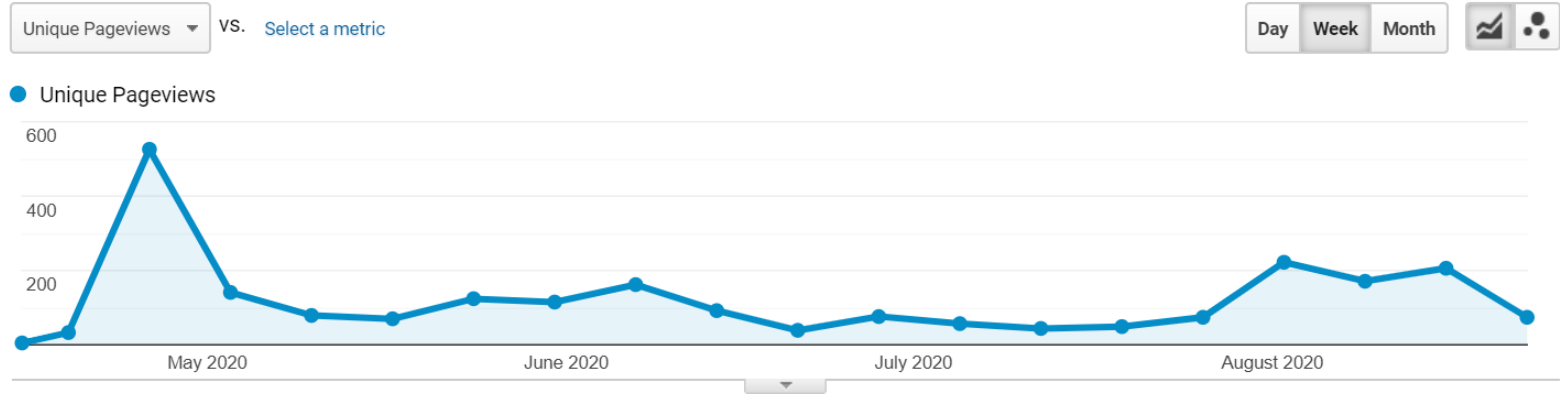
Elsevier sponsored prize - Best Oral presentation - Cheese Symposium category

Ms. Patrizia Ascone, Agroscope, Switzerland was the winner of the Elsevier sponsored Best Oral presentation (value: Euro 700) in the Cheese symposium category.






1.5M views
900 click throughs



Visitors over time



Primary Dimension: **Page** [Other](#)

Plot Rows Secondary dimension Sort Type: Default advanced     

Page ?	Pageviews ?	Unique Pageviews ?	Avg. Time on Page ?	Entrances ?	Bounce Rate ?	% Exit ?	Page Value ?
	7,003 % of Total: 1.58% (442,274)	2,359 % of Total: 1.19% (197,568)	00:00:52 Avg for View: 00:00:17 (206.82%)	2,101 % of Total: 4.45% (47,229)	0.52% Avg for View: 2.14% (-75.78%)	21.68% Avg for View: 10.68% (102.99%)	£0.00 % of Total:

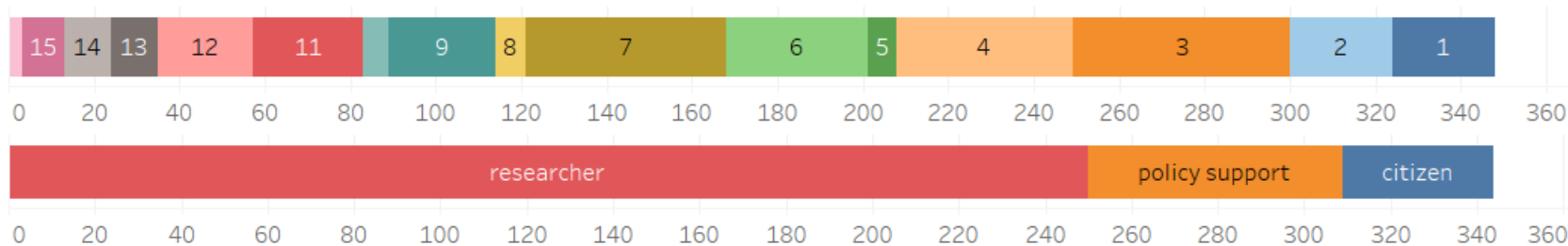


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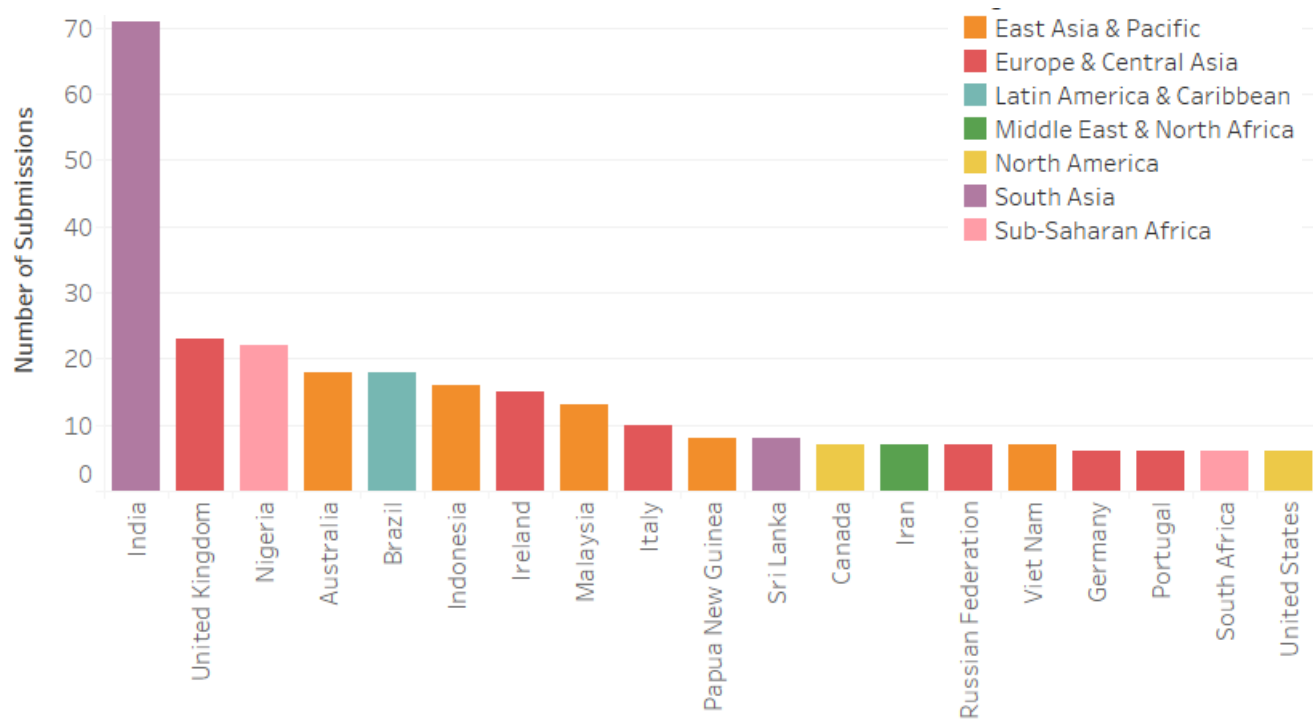
Summary of submissions

350
submissions



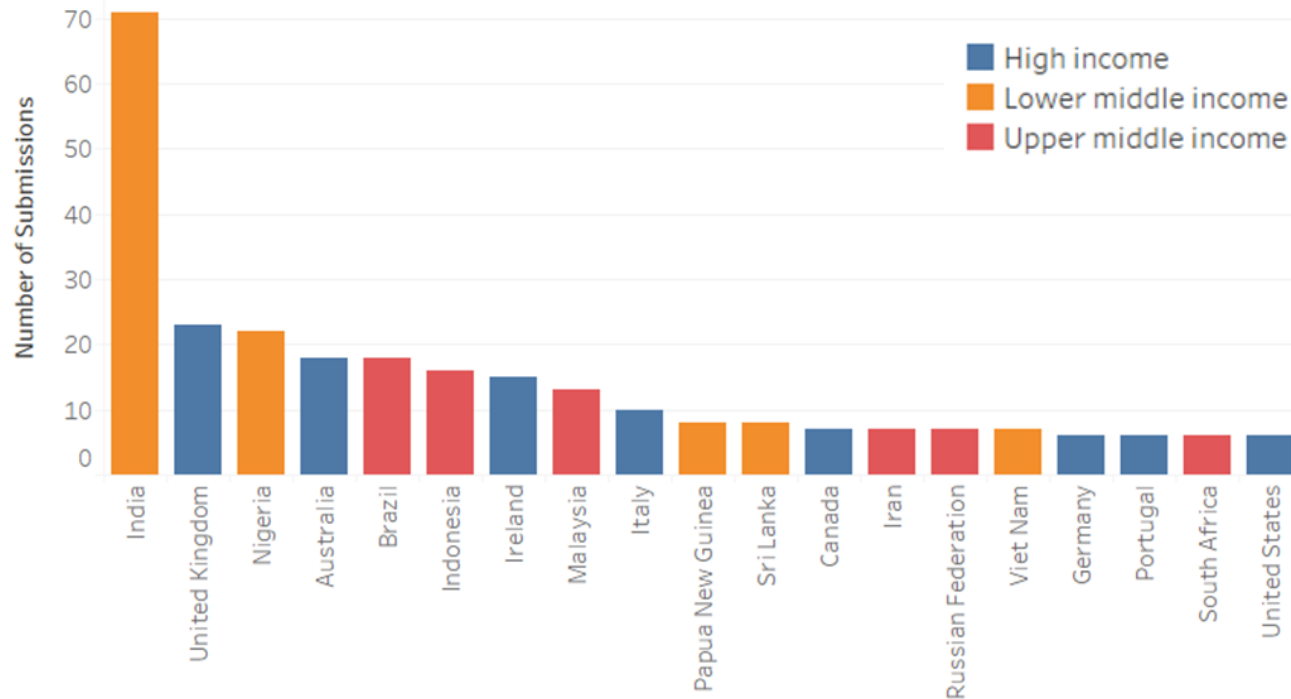
Summary of submissions

55
countries



Summary of submissions

55
countries



Next steps...

- Continue to build the database by increasing awareness
 - Validate SDG queries against SDG datasets
 - Make data available via ICSR





Thank you





SUSTAINABLE DEVELOPMENT GOALS

