Clarivate
Web of Science™

Using InCites to track
GRAS ranking performance

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Information

- Clarivate is the source of data and metrics for the GRAS ranking
- Clarivate does not produce or help with the calculations of the Shanghai GRAS ranking.
- The Shanghai GRAS ranking methodology can be found here: http://www.shanghairanking.com/shanghairanking-subject-rankings/Methodology-for-ShanghaiRanking-Global-Ranking-of-Academic-Subjects-2020.html#6
- This presentation's goal is to help Polish organizations make use of the InCites platform to monitor the GRAS indicators
- Clarivate Solutions consultant team is available for further help and support

Clarivate™

Institutions are ranked in 54 subjects across Natural Sciences, Engineering, Life Sciences, Medical Sciences, and Social Sciences

The mapping of categories can be found here:
http://www.shanghairanking.com/shanghairanking-subject-rankings/attachment/Mapping_between_Web_of_Science_categories_and_54_academic_subjects.pdf

Chemistry	Chemistry, Analytical
Chemistry	Chemistry, Applied
Chemistry	Chemistry, Inorganic & Nuclear
Chemistry	Chemistry, Multidisciplinary
Chemistry	Chemistry, Organic
Chemistry	Chemistry, Physical
Chemistry	Crystallography
Chemistry	Electrochemistry
Chemistry	Spectroscopy
Chemistry	Polymer Science

This is the "Chemistry" Subject reproduced using InCites filters

Time Period: 2015-2019   Schema: Web of Science

Research Area: CRYSTALLOGRAPHY, SPECTROSCOPY, ELECTROCHEMISTRY, CHEMISTRY, INORGANIC & NUCLEAR, CHEMISTRY, ORGANIC, CHEMISTRY, APPLIED, CHEMISTRY, MULTIDISCIPLINARY, CHEMISTRY, PHYSICAL, CHEMISTRY, ANALYTICAL, POLYMER SCIENCE ✕

To be included in a subject ranking for 2021, the universities need to have a minimum number of research publications during the period of 2015-2019.
The publication threshold is different for different subjects.
For the 2020 ranking, the publication threshold for Chemistry was 200

Time Period: 2015-2019   Schema: Web of Science   Web of Science Documents: 200-1571296 ✕

Research Area: CRYSTALLOGRAPHY, SPECTROSCOPY, ELECTROCHEMISTRY, CHEMISTRY, INORGANIC & NUCLEAR, CHEMISTRY, ORGANIC, CHEMISTRY, APPLIED, CHEMISTRY, MULTIDISCIPLINARY, CHEMISTRY, PHYSICAL, CHEMISTRY, ANALYTICAL, POLYMER SCIENCE ✕

The Shanghai GRAS ranking uses InCites data to rank all academic organizations that are unified (Organization Enhanced) in the Web of Science Core Collection

Errors in publication author affiliations are corrected using "Organization Enhanced"

[5] Maria Curie Skodowska Univ, Chem Dept, Pl M Curie Sklodowskiej 2, PL-20031 Lublin, Poland
Organization-Enhanced Name(s)
Maria Curie-Sklodowska University

This is the Chemistry InCites filter updated for this organization

Time Period: 2015-2019   Organization Name: Maria Curie-Sklodowska University ✕   Schema: Web of Science

Research Area: CRYSTALLOGRAPHY, SPECTROSCOPY, ELECTROCHEMISTRY, CHEMISTRY, INORGANIC & NUCLEAR, CHEMISTRY, ORGANIC, CHEMISTRY, APPLIED, CHEMISTRY, MULTIDISCIPLINARY, CHEMISTRY, PHYSICAL, CHEMISTRY, ANALYTICAL, POLYMER SCIENCE ✕
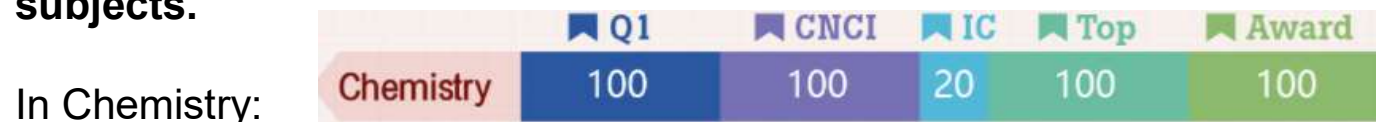
Organization Name	Web of Science Documents
Maria Curie-Sklodowska University	1,058

Methodology: The metrics used by GRAS Shanghai ranking

The four metrics (Q1/CNCI/IC/TOP) are directly pulled from InCites and can be reproduced in the platform

METRICS	DEFINITION	Source
Q1	Number of papers authored by an institution in Q1 Journal Impact Factor Quartile	InCites
CNCI	Citation impact Normalized by category, time and document types	InCites
IC	% of international collaborations	InCites
TOP	Publications in journals of the TOP list	InCites
AWARD	Number of staff of an institution wining a significant award in an Academic Subject since 1981	External

Different weights are allocated to the indicators for different subjects.

In Chemistry:

	Q1	CNCI	IC	Top	Award
Chemistry	100	100	20	100	100

Q1:

Number of papers authored by an institution in an Academic Subject in journals with Q1 Journal Impact Factor Quartile during the period of 2015-2019. Only document type 'Article' are considered.
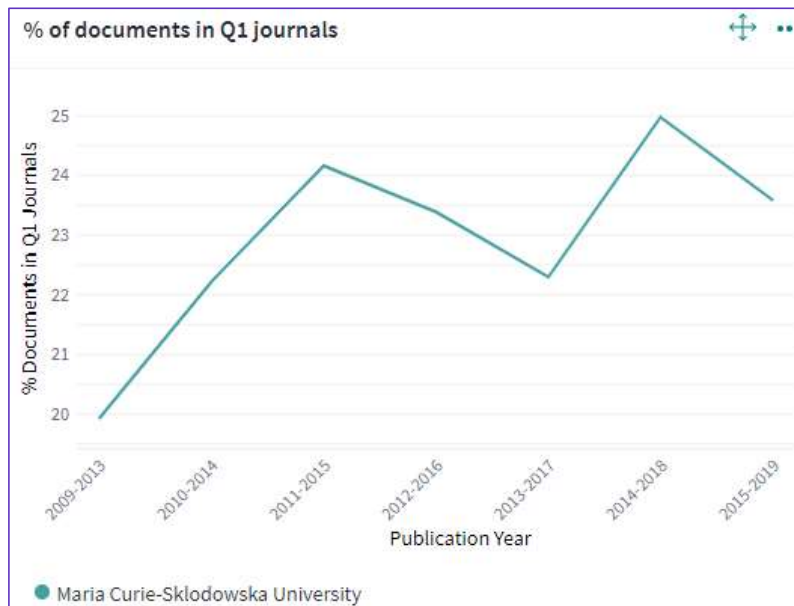
> **Are we publishing more articles in Q1 Journals?**

Time Period: 2009-2019 ✕ | Organization Name: Maria Curie-Sklodowska University ✕ | Document Type: Article ✕ | Schema: Web of Science

Research Area: CRYSTALLOGRAPHY, SPECTROSCOPY, ELECTROCHEMISTRY, CHEMISTRY, INORGANIC & NUCLEAR, CHEMISTRY, ORGANIC, CHEMISTRY, APPLIED, CHEMISTRY, MULTIDISCIPLINARY, CHEMISTRY, PHYSICAL, CHEMISTRY, ANALYTICAL, POLYMER SCIENCE ✕

ADD INDICATOR

% Documents in Q1 Journals

% Documents in Q1 Journals = (Count of Documents in Q1 Journals) / (Count of Documents in JIF Journals)

% of documents in Q1 journals

● Maria Curie-Sklodowska University

Q1:

Number of papers authored by an institution in an Academic Subject in journals with Q1 Journal Impact Factor Quartile during the period of 2015-2019. Only document type 'Article' are considered.

How do we compare with others?

Time Period: 2015-2019

Organization Name: Nicolaus Copernicus University, Lodz University of Technology, AGH University of Science & Technology, Wroclaw University of Science & Technology, Maria Curie-Sklodowska University ✕

Document Type: Article ✕   **Schema:** Web of Science   **JIF Quartile:** Q1 ✕
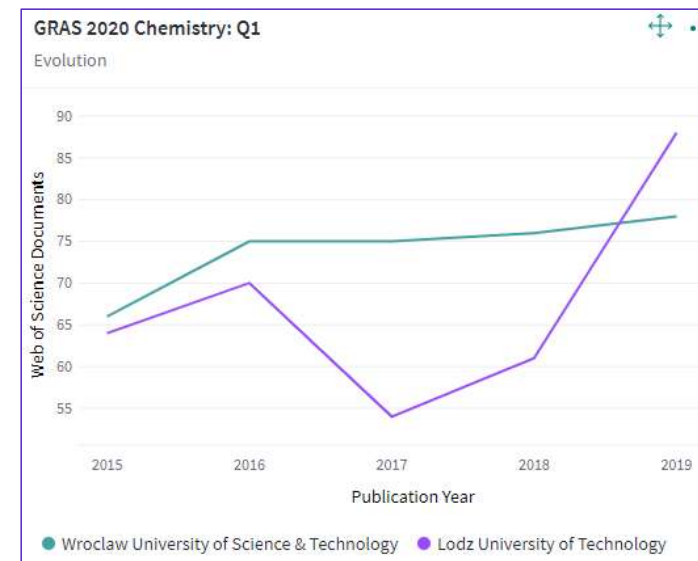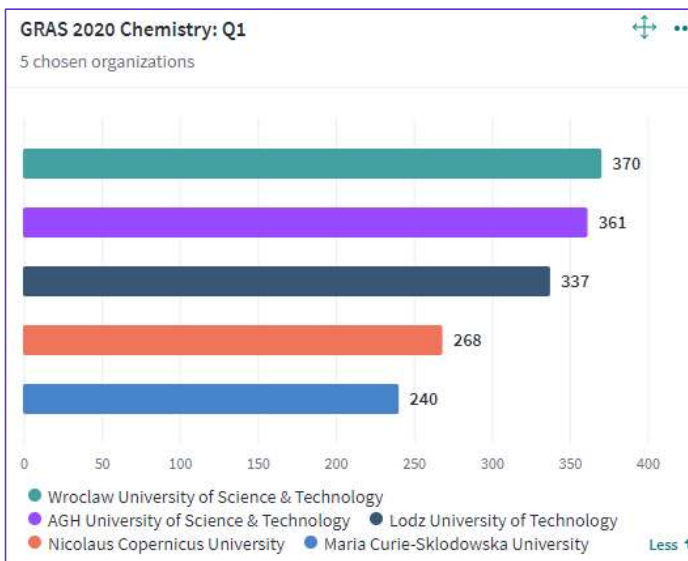
Research Area: CRYSTALLOGRAPHY, SPECTROSCOPY, ELECTROCHEMISTRY, CHEMISTRY, INORGANIC & NUCLEAR, CHEMISTRY, ORGANIC, CHEMISTRY, APPLIED, CHEMISTRY, MULTIDISCIPLINARY, CHEMISTRY, PHYSICAL, CHEMISTRY, ANALYTICAL, POLYMER SCIENCE ✕

FILTER BY:
JIF Quartile

JIF Quartile

Q1 ✕

GRAS 2020 Chemistry: Q1
5 chosen organizations

- Wroclaw University of Science & Technology — 370
- AGH University of Science & Technology — 361
- Lodz University of Technology — 337
- Nicolaus Copernicus University — 268
- Maria Curie-Sklodowska University — 240

● Wroclaw University of Science & Technology
● AGH University of Science & Technology ● Lodz University of Technology
● Nicolaus Copernicus University ● Maria Curie-Sklodowska University   Less ↑

GRAS 2020 Chemistry: Q1
Evolution

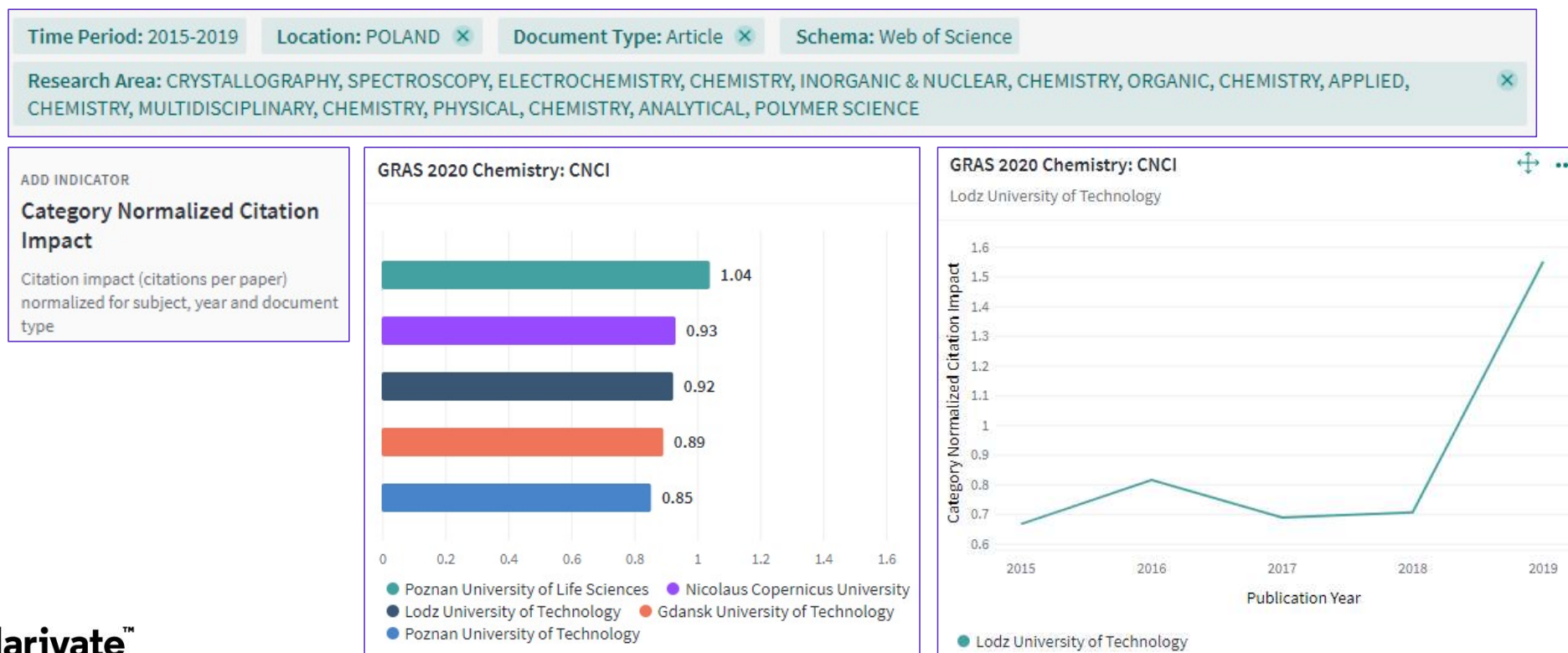● Wroclaw University of Science & Technology   ● Lodz University of Technology

CNCI:

Category Normalized Citation Impact (CNCI) is a normalized measure of impact that uses the category, publication year and type of document for the publication. A CNCI value of 1 represents world-average performance while a value above 1 represents performance above the world average. Only papers of 'Article' type are considered.

> **How do we compare with others, and what is our trend?**

Time Period: 2015-2019 | Location: POLAND ✕ | Document Type: Article ✕ | Schema: Web of Science

Research Area: CRYSTALLOGRAPHY, SPECTROSCOPY, ELECTROCHEMISTRY, CHEMISTRY, INORGANIC & NUCLEAR, CHEMISTRY, ORGANIC, CHEMISTRY, APPLIED, CHEMISTRY, MULTIDISCIPLINARY, CHEMISTRY, PHYSICAL, CHEMISTRY, ANALYTICAL, POLYMER SCIENCE ✕

ADD INDICATOR

Category Normalized Citation Impact

Citation impact (citations per paper) normalized for subject, year and document type

GRAS 2020 Chemistry: CNCI

University	CNCI
Poznan University of Life Sciences	1.04
Nicolaus Copernicus University	0.93
Lodz University of Technology	0.92
Gdansk University of Technology	0.89
Poznan University of Technology	0.85

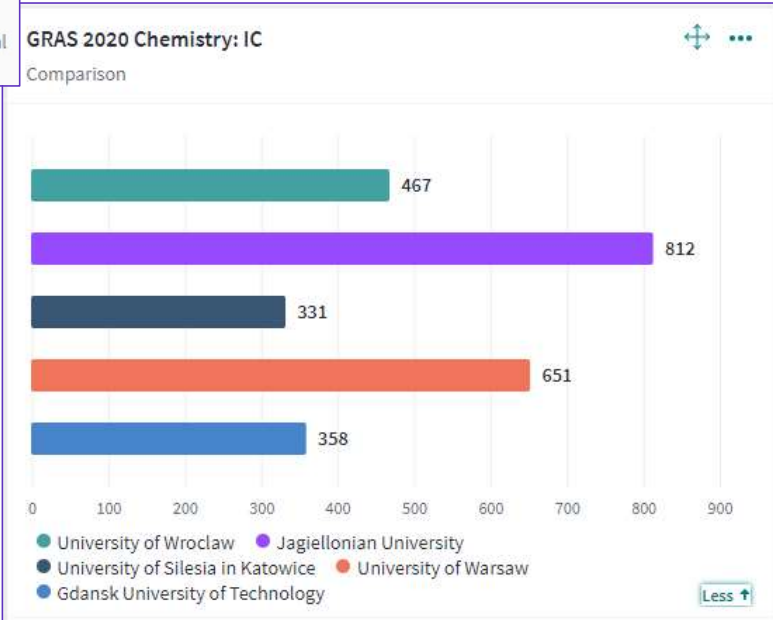### GRAS 2020 Chemistry: CNCI
Lodz University of Technology

IC:

International collaboration (IC) is the number of publications that have been found with at least two different countries in addresses of the authors divided by the total number of publications in an Academic Subject for an institution during the period of 2014-2018. Only papers of 'Article' type are considered.

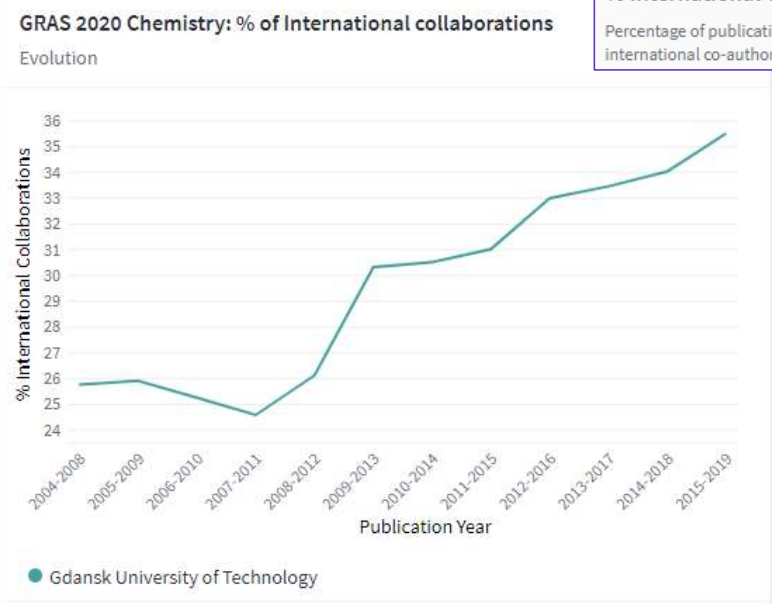**How do we compare with others, and what is our trend?**

TOP:

Top is the number of papers published in Top Journals in an Academic Subject for an institution. Top Journals are identified through ShanghaiRanking's Academic Excellence Survey. Only papers of 'Article' type are considered for this indicator.
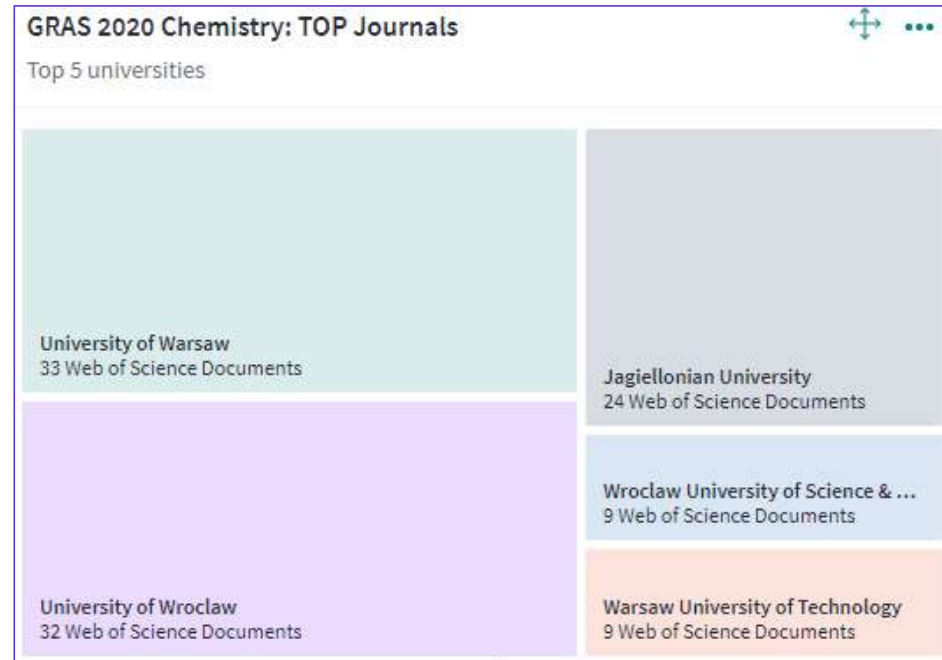
Time Period: 2015-2019	Location: POLAND ✕	Document Type: Article ✕	Schema: Web of Science

Source Name: NATURE CHEMISTRY, ANGEWANDTE CHEMIE-INTERNATIONAL EDITION, JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, NATURE MATERIALS ✕

Research Area: CRYSTALLOGRAPHY, SPECTROSCOPY, ELECTROCHEMISTRY, CHEMISTRY, INORGANIC & NUCLEAR, CHEMISTRY, ORGANIC, CHEMISTRY, APPLIED, CHEMISTRY, MULTIDISCIPLINARY, CHEMISTRY, PHYSICAL, CHEMISTRY, ANALYTICAL, POLYMER SCIENCE ✕

ShanghaiRanking Academic Excellence Survey 2020

Top Journal	Top Award	Top Conferences	Participants	Methodology

Academic Subject	Journal Name	ISSN	Percentage Voted
Chemistry			
Chemistry	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	0002-7863	83%
Chemistry	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	1433-7851	75%
Chemistry	NATURE CHEMISTRY	1755-4330	69%
Chemistry	NATURE MATERIALS	1476-1122	36%

GRAS 2020 Chemistry: TOP Journals

Top 5 universities

University of Warsaw
33 Web of Science Documents

Jagiellonian University
24 Web of Science Documents

Wroclaw University of Science & ...
9 Web of Science Documents

University of Wroclaw
32 Web of Science Documents

Warsaw University of Technology
9 Web of Science Documents

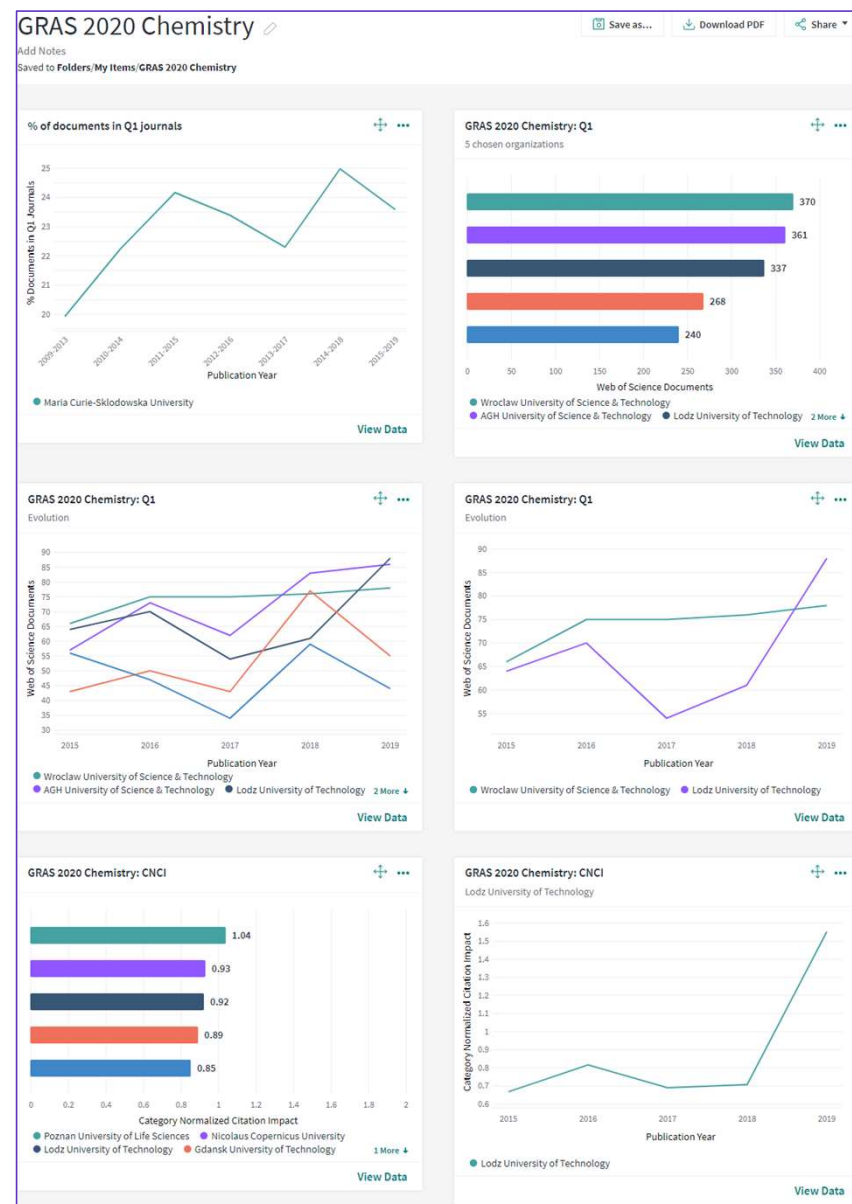# ORGANIZE/SAVE YOUR REPORTS

- Create as many dashboards as you like

- No need to recreate the filters every time you need an update

- Each report and metric automatically updates itself every month

- Download and Share the dashboards

What are others doing?

Université Paris-Saclay

- Worked on their unification (Organization Enhanced) to gain more visibility in the Web of Science Core Collection
- Subscribed to WoS/InCites and studied the ranking

They extracted the results and metrics from InCites:

⬇

My study.csv

They recalculated the score

Name	CNCI	Q1	IC	CNCI score	Q1 Score	IC Score	GRAS Score
GRAS Max	2,171495955	5948	2892	1	1	1	320
Baseline for All Items (UPSaclay)	1,58	2490	1879	0,853	0,647	0,806	230,82
PLANT SCIENCES	1,85	716	635	0,923	0,347	0,469	171,06
AGRICULTURE, DAIRY & ANIMAL SCIENCE	1,38	177	115	0,797	0,173	0,199	118,21
AGRONOMY	1,63	150	129	0,866	0,159	0,211	122,62
SOIL SCIENCE	1,61	77	62	0,861	0,114	0,146	111,79
AGRICULTURE, MULTIDISCIPLINARY	1,33	80	41	0,783	0,116	0,119	103,84
FORESTRY	2,13	57	38	0,990	0,098	0,115	120,91
HORTICULTURE	1,12	27		0,712	0,067		87,00
FISHERIES	1,71	31					

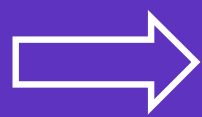**They were recently ranked #1 in Mathematics:**

➡

ShanghaiRanking's Global Ranking of Academic Subjects 2020 - Mathematics   `2020 ⌄`

Field: `Natural Sciences ⌄`   Subject: `Mathematics ⌄`   **Methodology**

World Rank	Institution*	Country/Region	National/Regional Rank	Total Score	Score on Q1 ⌄
1	Paris-Saclay University	🇫🇷	1	362.9	87.0
2	Princeton University	🇺🇸	1	354.3	71.4
3	Sorbonne University	🇫🇷	2	308.3	100.0
4	Stanford University	🇺🇸	2	301.6	66.1

Conclusion

- InCites can help you track and reproduce your score in the ranking
- We are here to help you better understand how to achieve this

- IMPORTANT: Promoting international collaborations and targeting the right journals will always improve your citation performances

⇒ The strategy you will elaborate using InCites will help you raise your rank in <u>ANY ranking</u>, not only the GRAS ranking

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Dziękuję!

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