

*"Why Research Libraries supporting  
Open Access is vital to the  
achievement of the UN SDGs and  
enabling Social Justice"*

Ciarán Quinn

Maynooth University Library

---

*"Everyone has the right freely to participate in the cultural life of the community, to enjoy the arts and to share in scientific advancement and its benefits" The Universal Declaration of Human Rights (1944): Article 27, section 1*

# What is Open Access?

- **Open access (OA)** refers to free, unrestricted online access to research outputs such as journal articles and books. OA content is open to all, with no access fees.

There are **two main routes** to making research outputs openly accessible.

- **Gold Open Access** which may involve the payment of an Article Processing Charge (APC) to a fully or Hybrid OA Journal
  - OA Agreements in place may waive these charges
- **Green Open Access** which is self-archiving a version of the manuscript other than the published version in an OA repository
- **Maynooth University:**
  - [MURAL](#) (MU Research Archive Library) 2003
    - covers MU & SPCM (PPU)
  - [MU OA Mandate](#) (2008,2021)
    - All Research & Scholarly Publications to be deposited in MURAL
  - MU Open Access Publishing
  - Strong advocates for OA amongst Researchers & Librarians

# 17 Sustainable Development Goals (2015)

- **Target 10 in SDG 16:**
  - ***“Ensure public access to information and protect fundamental freedoms, in accordance with national legislation and international agreements”***
- **SDG 16**
  - ***Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels***
- ***Access to quality information impacts the implementation of all SDG’s!***





# International Federation of Library Associations & Institutions (IFLA) Advocacy

## Development & Access to Information: 2019 series of Reports

- Provides a range of indicators of how well countries are performing. Looking at four different pillars of access – connectivity, social and cultural norms, skills and laws – it gives insights into the different dimensions of meaningful access to information.
- <https://da2i.ifla.org/>

## The Lyon Declaration on Access to Information and Development (IFLA, 2014)

- The Declaration called upon United Nations Member States to make an international commitment through the [UN 2030 Agenda for Sustainable Development](#) to ensure that everyone has access to, and is able to understand, use and share the information that is necessary to promote sustainable development and democratic societies.

# IFLA Map of the World – SDG Stories Map

**LIBRARY MAP OF THE WORLD**

This site uses cookies to track and improve site usage. [Learn more here.](#) [Accept](#) [Decline](#)

**HOME** | **SDG STORIES** | COUNTRIES | CONTRIBUTORS | ABOUT | English

**SUSTAINABLE DEVELOPMENT GOALS & LIBRARIES**  
The UN 2030 Agenda for Sustainable Development is a framework of 17 Sustainable Development Goals (SDGs) spanning economic, environmental and social development. SDG stories demonstrate how libraries and access to information contribute to improved outcomes across all SDGs. Select a country to see relevant stories.  
[SUBMIT YOUR STORY](#)



**SDG STORIES** ?  
Search  
32 Countries  
53 Stories  
Select a country to view stories.

 **GOAL 1. No Poverty**  
4 Stories

 **GOAL 2. Zero Hunger**  
4 Stories

 **GOAL 3. Good Health and Well-Being**  
10 Stories

 **GOAL 4. Quality Education**  
37 Stories

 **GOAL 5. Gender Equality**  
8 Stories



**LEGEND** +  
-  
■ Countries with SDG Stories  
■ Selected Country  
■ No Data Available

# Inequalities in Access to Information

---

- Literacy/Information Literacy
  - How to locate, filter & make sense of the information
- Culture/norms of the society
- Technology/Digital Divide
- **Library Access**
- **Access to academic books/Journals**
  - **Paywalls**
  - **Open Access**
    - Various OA routes Green & Gold
    - Harvested by various platforms e.g [UnPaywall](#)



# SDG's and Open Access: What's the connection?

## Sustainable Development Goals (SDG's)

- Implementation relies on equitable access to information & up to date research, in the 17 areas for Researchers and Educators to access.
- Science, Technology and Innovation (STI) main drivers behind economic growth and prosperity
- Access to Science is crucial for the SDG's
- Specific role of Science in SDG's includes, Industry, Technology (enabling & environmentally sound), Water Quality, Clean Energy, Economic Prosperity, Climate Change, Marine and Land conservation
  - <https://bit.ly/3tfr1Ds> (UNESCO)

## What does Open Access do?

- Rapid & wide dissemination of the results of scholarly research
- More people can read the results of scholarly research
- New ideas can be dispersed more rapidly and widely, which in turn triggers new research studies; it serves as an impetus for knowledge.
- Businesses also have broad access to the most recent scientific ideas, which they can then build upon. Open access contributes to the knowledge economy and provides an economic boost.
- Recent knowledge can be put to immediate re-use in teaching as “Open Educational Resources” (OER's)
  - <https://bit.ly/3HeShqs> (Open Access.nl)

# OPEN ACCESS DRIVERS

The background of the slide is a photograph of a mountain road at night. The road curves through a dark, hilly landscape. Light trails from cars are visible, showing a bright white light from a car in the distance and red and white light trails from cars in the foreground. The sky is dark, and the overall scene is dimly lit.

---

Government

---

Universities/University Libraries

---

Open Access Publishers

---

Funders Mandates

---

Researchers

# IRELANDS TIMELINE !

## [Ireland's National Principles on Open Access \(2012\)](#)

## [National Open Research Forum \(NORF\)](#)

- Produced the "[National Framework on the Transition to an Open Research Environment](#)" (2019)
  - [NORF working group on Open Access & Funded Projects](#)
    - Strong Library involvement in WG's and projects.
- **National OA Agreements with Publishers:**
- [IREL Open Access Agreements](#) , 2020 onwards.
  - 26 Currently in place
- [Irish Open Access Publishers \(IOAP\) Community formation \(2022\)](#)
  - All IOAP activities are informed by the [United Nations Sustainable Development Goals](#) in terms of free and open access to information and the inclusion of all voices in scholarly publishing
  - Website content includes Irish OA Journals & Monographs
- **OA Books:** Maynooth Academic Press , [DCU Press](#) , Open Press (NUIG)



ARY

[Library Services](#)

[Learning Resources](#)

[Research](#)

## Open Access Publishing Agreements

<a href="#">ArXiv</a>	<a href="#">Choosing a License</a>	<a href="#">ACM Open (Association for Computing Machinery)</a>	<a href="#">American Chemical Society (ACS)</a>		
<a href="#">ArXiv Preprint</a>	<a href="#">Annual Reviews</a>	<a href="#">British Medical Journal</a>	<a href="#">Cambridge University Press (CUP)</a>	<a href="#">Company of Biologists</a>	
<a href="#">Emerald</a>	<a href="#">IEEE</a>	<a href="#">Institute of Physics (IOP)</a>	<a href="#">Microbiology Society</a>	<a href="#">Optica Publishing Group</a>	<a href="#">Oxford University Press</a>
<a href="#">Royal Irish Academy</a>	<a href="#">Royal Society</a>	<a href="#">Royal Society of Chemistry (RSC)</a>	<a href="#">Sage Publishing</a>	<a href="#">SCOAP3</a>	<a href="#">Springer C</a>

## Open Access Publishing Agreements

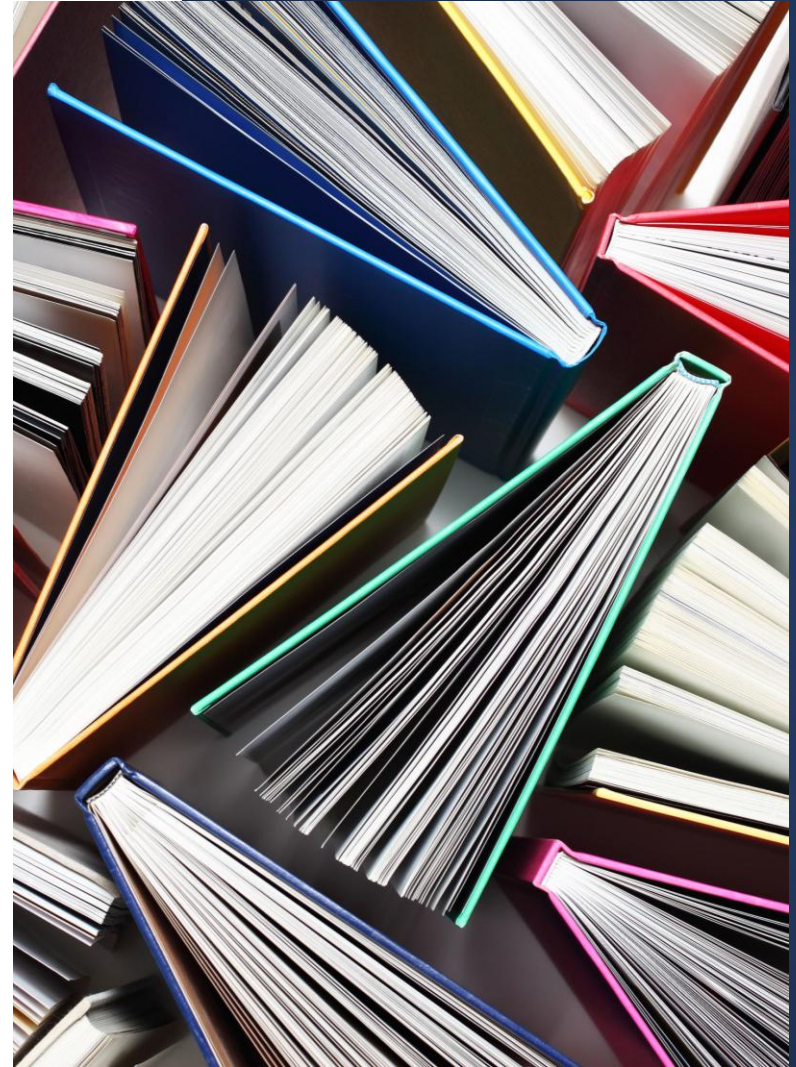
# Open Access Challenges

- Number of fully open access journals varies across disciplines
- Academics are expected to publish in high impact journals which offer only Gold Open Access
- Article Processing Charges are often prohibitive
- Copyright barriers/restrictions
- Prevalence of Predatory Journals (OA but quality issues)



# Open Access Solutions

- OA Publishing Agreements (IREL)
- Green Open Access (Institutional Repositories)
- Institutional Publishing & Online OA Publishing
- Changing the culture away from an emphasis on High Impact Journals for Career progression
  - Responsible Metrics Policies
- All within the remit of Research Libraries !
  - Champions for Open Access



# *What is the current position of OA? How are we doing?*

---

**Internationally huge increase in the amount of Open Access Resources**

---

Benefitting from a push by Librarians, Researchers & Funders

---

Internet sees the rise of Open Access content available to all

---

Online Repositories (Subject & Institutional) & Directories e.g [OPEN DOAR](#), [DOAJ](#)



DOAJ OPEN GLOBAL TRUSTED

SEARCH DOCUMENTATION ABOUT

Journals Articles

THE DIRECTORY OF OPEN ACCESS JOURNALS

Find open access journals & articles.

Journals Articles

In all fields SEARCH

80 LANGUAGES	130 COUNTRIES REPRESENTED	12,299 JOURNALS WITHOUT APCs	17,499 JOURNALS	7,253,473 ARTICLE RECORDS
-----------------	---------------------------------	------------------------------------	--------------------	------------------------------

# Directory of OA Journals (DOAJ)

- DOAJ Snapshots: March 2022 & April 2023 show a significant overall increase in the number of titles.
- Rigorous quality checks to exclude Predatory Journals
  - [Principles of Transparency & Best Practice](#) (2013)
  - [Think Check Submit](#) (Tools & Practical Resources)
- List includes OA Publishers
  - PLOS 20% + of Articles
- Green OA listed in Scopus (Dec 2020) sourced from Un-Paywall & Web of Science (2018)

DOAJ OPEN GLOBAL TRUSTED

SEARCH DOCUMENTATION ABOUT

DIRECTORY OF OPEN ACCESS JOURNALS

Find open access journals & articles.

Journals Articles

In all fields SEARCH

80 LANGUAGES	132 COUNTRIES REPRESENTED	13,135 JOURNALS WITHOUT APCs	19,251 JOURNALS	8,802,511 ARTICLE RECORDS
-----------------	---------------------------------	------------------------------------	--------------------	------------------------------

# Open Access content indexed on Citation Databases

- **Web of Science**

- 12m articles with Open Access versions, 5,000 OA Journals, 23% of Articles over the last 5 years have free access (Green & Hybrid Gold) <https://clarivate.com/webofsciencegroup/solutions/open-access/>

- **Scopus**

- Open Access (OA) in Scopus is represented at the journal/source level. Out of the +21,000 active journals indexed in Scopus, approximately 4,065 are registered as OA journals.
  - Open Access refers to journals and articles in which all peer reviewed scholarly articles are online and available without restrictions.
  - [https://service.elsevier.com/app/answers/detail/a\\_id/11268/supporthub/scopus/](https://service.elsevier.com/app/answers/detail/a_id/11268/supporthub/scopus/)

# How can we track the numbers? Evidence of Improvement !

- **Scopus**

- Includes Pre-generated SDG queries & filter for OA in Advanced Search

- **Web of Science**

- Filter for OA

- **Altmetric Explorer [Attention Score](#)**

- OA papers alignment with SDG's

- **[Times Higher Education Impact Rankings](#) assess Universities against SDG's**

Pre-generated queries ?

UN Sustainable Development Goals 2020 ^

1. No poverty

Enter query string

TITLE-ABS-KEY (( {extreme poverty} OR {poverty alleviation} OR {poverty eradication} OR {poverty reduction} OR {international poverty line} OR ({financial aid} AND {poverty}) OR ({financial aid} AND {poor}) OR ({financial aid} AND {north-south divide}) OR ({financial development} AND {poverty}) OR {financial empowerment} OR {distributional effect} OR {distributional effects} OR {child labor} OR {child labour} OR {development aid} OR {social protection} OR {social protection system} OR ({social protection} AND access) OR microfinanc\* OR micro-financ\* OR {resilience of the poor} OR ({safety net} AND {poor} OR {vulnerable}) OR ({economic resource} AND access) OR ({economic resources} AND access) OR {food bank} OR {food banks}.)

7. Affordable and clean energy

8. Decent work and economic growth

9. Industry, innovation and infrastructure

10. Reduced inequalities

11. Sustainable cities and communities

12. Responsible consumption and produc...

## 46,938 document results

16. Peace, justice and strong institutions

Open Access ^

All Open Access (14,253) >

Gold (5,187) >

Hybrid Gold (1,963) >

Bronze (2,208) >

Green (10,067) >

MU  
2018-2022  
70% OA

## 3,753 document results




AF-ID ("Maynooth University" 60026281) OR AF-ID ("Maynooth University School of Business" 60211978) AND (LIMIT-TO (PUBYEAR, 2022) OR LIMIT-TO (PUBYEAR, 2021) OR LIMIT-TO (PUBYEAR, 2020) OR LIMIT-TO (PUBYEAR, 2019) OR LIMIT-TO (PUBYEAR, 2018))

[Edit](#) [Save](#) [Set alert](#)

Search within results...

Analyze search results [Show all abstracts](#) Sort on: [Date \(newest\)](#)

All [Export](#) [Download](#) [View citation overview](#) [View cited by](#) [Add to List](#) [Print](#) [Email](#) [Share](#)

	Document title	Authors	Year	Source	Cited by
<input type="checkbox"/> 1 	ACADEMIC LIBRARIES AND RESEARCH DATA MANAGEMENT: A SYSTEMATIC REVIEW   [UPRAVLJANJE AKADEMSKIM KNJIŽNICAMA I ISTRAŽIVAČKIM PODACIMA: PREGLED] <i>Open Access</i>	Boté-Vericad, J.-J., Healy, S.	2022	Vjesnik Bibliotekara Hrvatske 65(3), pp. 171-193	0
<a href="#">View abstract</a> <a href="#">Link to Full Text</a> <a href="#">View at Publisher</a> <a href="#">Related documents</a>					
<input type="checkbox"/> 2 	Transferability of psychological interventions from disaster-exposed employees to healthcare workers working during the COVID-19 pandemic—update to a systematic review and secondary analysis <i>Open Access</i>	Treacy, S., O'Donnell, S., Gavin, B., (...), McNicholas, F., Hayden, J.C.	2022	Journal of Public Health and Emergency 6,38	0
<a href="#">View abstract</a> <a href="#">Link to Full Text</a> <a href="#">View at Publisher</a> <a href="#">Related documents</a>					
<input type="checkbox"/> 3	Human rights and social inclusion in health policies: HIV/AIDS, tuberculosis, and malaria policies across Namibia, Malawi, South Africa, and Sudan  Book Chapter)	Amin, M., MacLachlan, M., Mannan, H., (...), Van Rooy, G., McVeigh, J.	2022	<i>Systems Thinking for Global Health: How can systems-thinking contribute to solving key challenges in Global Health?</i> pp. 342-359	0

MU  
2013-2017  
59% OA

Brought to you by [Maynooth University Library](#)



Scopus

[Search](#) [Lists](#) [Sources](#) [SciVal](#) [Home](#)

## 2,830 document results

AF-ID ("Maynooth University" 60026281) OR AF-ID ("Maynooth University School of Business" 60211978) AND (LIMIT-TO (PUBYEAR, 2017) OR LIMIT-TO (PUBYEAR, 2016) OR LIMIT-TO (PUBYEAR, 2015) OR LIMIT-TO (PUBYEAR, 2014) OR LIMIT-TO (PUBYEAR, 2013))

[Edit](#) [Save](#) [Set alert](#)

Search within results...

### Refine results

[Limit to](#) [Exclude](#)

### Open Access

- All Open Access (1,672) >
- Gold (222) >
- Hybrid Gold (53) >
- Bronze (254) >
- Green (1,616) >

### Analyze search results

[Show all abstracts](#) [Sort on: Date \(newest\)](#)

All [Export](#) [Download](#) [View citation overview](#) [View cited by](#) [Add to List](#) [Print](#) [Email](#) [Share](#)

	Document title	Authors	Year	Source	Cited by
<input type="checkbox"/> 1	Health consequences of electric lighting practices in the modern world: A report on the National Toxicology Program's workshop on shift work at night, artificial light at night, and circadian disruption <i>Open Access</i>	Lunn, R.M., Blask, D.E., Coogan, A.N., (...), Schwingl, P.J., Boyd, W.A.	2017	Science of the Total Environment 607-608, pp. 1073-1084	201
	<a href="#">View abstract</a> <a href="#">Link to Full Text</a> <a href="#">View at Publisher</a> <a href="#">Related documents</a>				
<input type="checkbox"/> 2	A conceptual framework of middle managers' strategic role	Wang, P., Gibbons, P.T.	2017	Handbook of Middle Management	2

MU Open  
Access  
All Time!  
62% OA

## 11,393 document results

AF-ID ("Maynooth University" 60026281) OR AF-ID ("Maynooth University School of Business" 60211978)

[Edit](#) [Save](#) [Set alert](#)

Search within results...

Refine results

[Limit to](#) [Exclude](#)

**Open Access** ↑



- All Open Access (7,096) >
- Gold (1,072) >
- Hybrid Gold (674) >
- Bronze (882) >
- Green (6,521) >

[Learn more](#)

**Year** ↑

Analyze search results Show all abstracts Sort on: Date (newest) ▼

All ▼ [Export](#) [Download](#) [View citation overview](#) [View cited by](#) [Add to List](#) ... [Print](#) [Email](#) [Save](#)

	Document title	Authors	Year	Source	Cited by
<input type="checkbox"/> 1 	DRAG in situ barcoding reveals an increased number of HSPCs contributing to myelopoiesis with age <i>Open Access</i>	Urbanus, J., Cosgrove, J., Beltman, J.B., (...), Schumacher, T.N., Perié, L.	2023	Nature Communications 14(1),2184	0
	<a href="#">View abstract</a> <span>▼</span> <a href="#">Link to Full Text</a> <a href="#">View at Publisher</a> <a href="#">Related documents</a>				
<input type="checkbox"/> 2 	Global survey shows planners use widely varying sea-level rise projections for coastal adaptation <i>Open Access</i>	Hirschfeld, D., Behar, D., Nicholls, R.J., (...), Wenger, L., Yokoki, H.	2023	Communications Earth and Environment 4(1),102	0
	<a href="#">View abstract</a> <span>▼</span> <a href="#">Link to Full Text</a> <a href="#">View at Publisher</a> <a href="#">Related documents</a>				

# MU SDG 7: “Affordable & Clean Energy” 63% OA

## 143 document results

(TITLE-ABS-KEY (({energy efficiency} OR {energy consumption} OR {energy transition} OR {clean energy technology} OR {energy equity} OR {energy justice} OR {energy poverty} OR {energy policy} OR renewable\* OR {2000 Watt society} OR {smart micro-grid} OR {smart grid} OR {smart microgrid} OR {smart micro-grids} OR {smart grids} OR {smart microgrids} OR {smart meter} OR {smart meters} OR {affordable electricity} OR {electricity consumption} OR {reliable electricity} OR {clean fuel} OR {clean cooking fuel} OR {fuel poverty} OR energiewende OR {life-cycle assessment} OR {life cycle assessment} OR {life cycle assessments} OR {life cycle assessments} OR ({photochemistry} AND {renewable energy}) OR photovoltaic OR {photocatalytic water splitting} OR {hydrogen production} OR {water splitting} OR {lithium-ion batteries} OR {lithium-ion battery} OR {heat network} OR {district heat} OR {district heating} OR {residential energy consumption} OR {domestic energy c... View all

Edit Save Set alert

Search within results...

Refine results

Limit to Exclude

**Open Access** ^

- All Open Access (91) >
- Gold (13) >
- Hybrid Gold (7) >
- Bronze (6) >
- Green (85) >

[Learn more](#)

Documents   Secondary documents   Patents

Analyze search results Show all abstracts   Sort on: Date (newest) ▾

All ▾   Export   Download   View citation overview   View cited by   Add to List   ...  


	Document title	Authors	Year	Source	Cited by
1	Performance Analysis of Charging Infrastructure Sharing in UAV and EV-Involved Networks <i>Open Access</i>	Qin, Y., Kishk, M.A., Alouini, M.-S.	2023	IEEE Transactions on Vehicular Technology 72(3), pp. 3973-3988	0
	View abstract ▾    Link to Full Text   View at Publisher   Related documents				
2	Stochastic-Geometry-Based Analysis of Multipurpose UAVs for Package and Data Delivery	Qin, Y., Kishk, M.A., Alouini, M.-S.	2023	IEEE Internet of Things Journal 10(5), pp. 4664-4676	0

SDG 7: Open  
Access  
(all  
documents on  
Scopus)  
< 25%

1,225,326 document results


TITLE-ABS-KEY (( {energy efficiency} OR {energy consumption} OR {energy transition} OR {clean energy technology} OR {energy equity} OR {energy justice} OR {energy poverty} OR {energy policy} OR renewable\* OR {2000 Watt society} OR {smart micro-grid} OR {smart grid} OR {smart microgrid} OR {smart micro-grids} OR {smart grids} OR {smart microgrids} OR {smart meter} OR {smart meters} OR {affordable electricity} OR {electricity consumption} OR {reliable electricity} OR {clean fuel} OR {clean cooking fuel} OR {fuel poverty} OR energiewende OR {life-cycle assessment} OR {life cycle assessment} OR {life-cycle assessments} OR {life cycle assessments} OR ( {photochemistry} AND {renewable energy} ) OR photovoltaic OR {photocatalytic water splitting} OR {hydrogen production} OR {water splitting} OR {lithium-ion batteries} OR {lithium-ion battery} OR {heat network} OR {district heat} OR {district heating} OR {residential energy consumption} OR {domestic energy c... View all

Edit Save Set alert

Search within results... 


Refine results

Limit to Exclude


Open Access 






- All Open Access (287,761) >
- Gold (123,835) >
- Hybrid Gold (27,708) >
- Bronze (60,485) >
- Green (164,811) >



Learn more

Year 

Documents Secondary documents Patents

Analyze search results Show all abstracts Sort on: Date (newest) 

All  Export Download View citation overview View cited by Add to List    

	Document title	Authors	Year	Source	Cited by
<input type="checkbox"/> 1	Leaching kinetics of fluorine during the aluminum removal from spent Li-ion battery cathode materials	Li, S., Zhu, J.	2024	Journal of Environmental Sciences (China) 138, pp. 312-325	0
	View abstract   View at Publisher Related documents				
<input type="checkbox"/> 2	Water-soluble brown carbon in atmospheric aerosols from the resource-dependent cities: Optical properties, chemical compositions and sources	Wang, H., Su, Y., Liu, Y., (...), Lü, C., He, J.	2024	Journal of Environmental Sciences (China) 138, pp. 74-87	0

# Open Access (Scopus) SDG 7 of last 5 years: 33%

532,033 document results

TITLE-ABS-KEY (({energy efficiency} OR {energy consumption} OR {energy transition} OR {clean energy technology} OR {energy equity} OR {energy justice} OR {energy poverty} OR {energy policy} OR renewable\* OR {2000 Watt society} OR {smart micro-grid} OR {smart grid} OR {smart microgrid} OR {smart micro-grids} OR {smart grids} OR {smart microgrids} OR {smart meter} OR {smart meters} OR {affordable electricity} OR {electricity consumption} OR {reliable electricity} OR {clean fuel} OR {clean cooking fuel} OR {fuel poverty} OR energiewende OR {life-cycle assessment} OR {life cycle assessment} OR {life-cycle assessments} OR {life cycle assessments} OR ( {photochemistry} AND {renewable energy} ) OR photovoltaic OR {photocatalytic water splitting} OR {hydrogen production} OR {water splitting} OR {lithium-ion batteries} OR {lithium-ion battery} OR {heat network} OR {district heat} OR {district heating} OR {residential energy consumption} OR {domestic energy} <-- View all >

[Edit](#) [Save](#) [Set alert](#)

Search within results...

Refine results

[Limit to](#) [Exclude](#)

Open Access [^](#)

- All Open Access (176,136) >
- Gold (88,344) >
- Hybrid Gold (18,329) >
- Bronze (33,914) >
- Green (95,229) >

[Learn more](#)

Year [^](#)

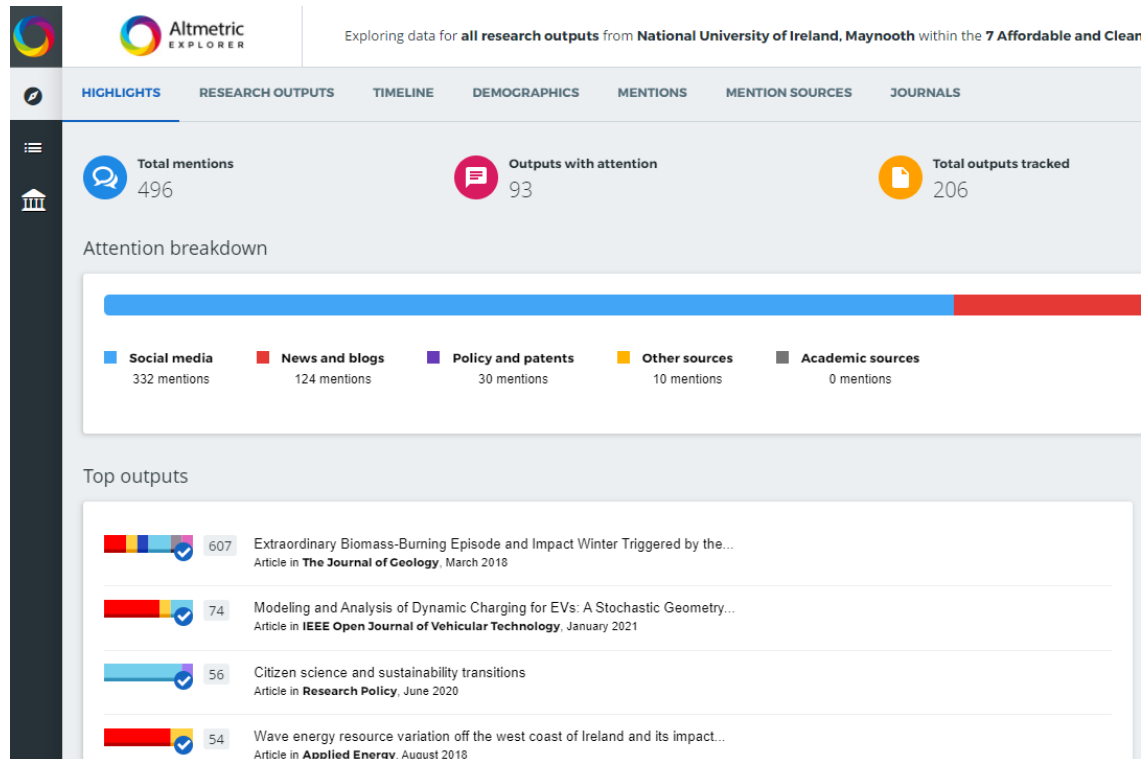
Documents Secondary documents Patents

Analyze search results [Show all abstracts](#) Sort on: [Date \(newest\)](#)

All [Export](#) [Download](#) [View citation overview](#) [View cited by](#) [Add to List](#) [Print](#) [Email](#) [Share](#)

	Document title	Authors	Year	Source	Cited by
<input type="checkbox"/> 1	Energy facilities: Management and design and technological innovations (Book) Open Access	Polishchuk, A., Kulyk, V., Teptya, V., (...), Mammadova, M., Mendoza, J.L.R.	2022	<i>Energy facilities: Management and design and technological innovations</i> pp. 1-207	0
	<a href="#">View abstract</a> <a href="#">Link to Full Text</a> <a href="#">View at Publisher</a>				
<input type="checkbox"/> 2	Solar concentrator applications in agriculture (Book Chapter)	Kussul, E., Baydyk, T., Mammadova, M., Mendoza, J.L.	2022	<i>Energy facilities: Management and design and technological innovations</i> pp. 177-207	0

# Altmetrics Explorer All Outputs for SDG 7: 496 mentions 93 outputs



## SUSTAINABLE DEVELOPMENT GOALS



7 AFFORDABLE AND CLEAN ENERGY

## TYPE OF OUTPUT

All outputs

Articles

Books

Book chapters

Data sets

Clinical trial records

News stories

## TYPE OF OPEN ACCESS

All outputs

Bronze

Gold

Closed

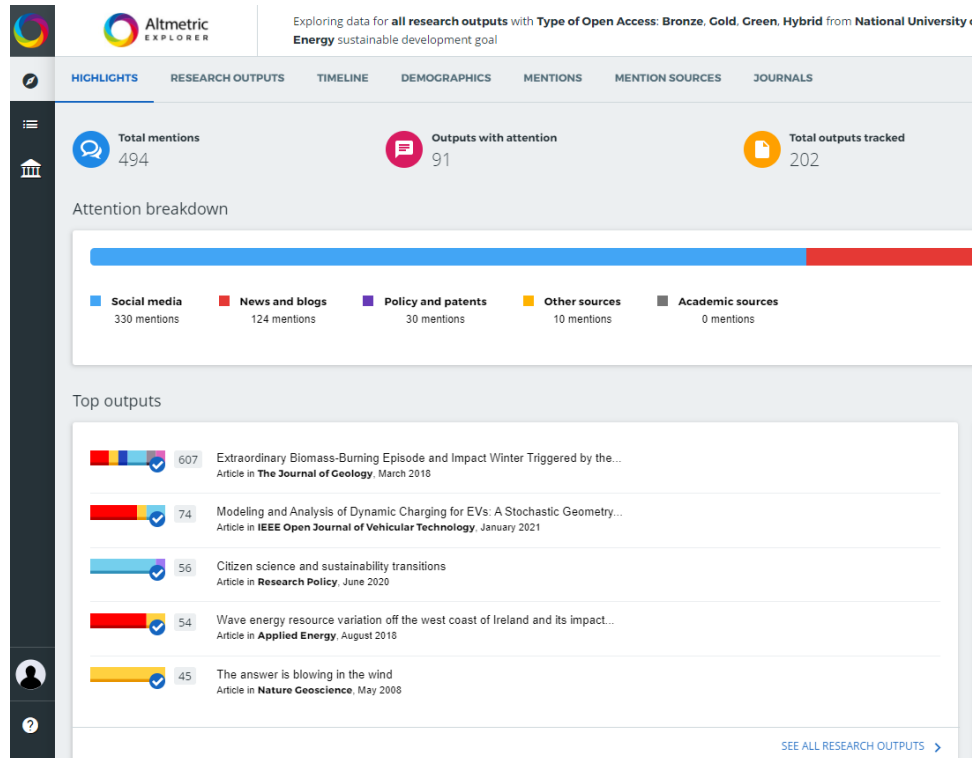
Green

Hybrid

SCHOLARLY IDENTIFIERS

6 total mentions from this news outlet

# Altmetrics Explorer Open Access Only: SDG 7 494 mentions from 91 outputs



SUSTAINABLE DEVELOPMENT GOALS [WHAT IS THIS?](#)

7 AFFORDABLE AND CLEAN ENERGY

TYPE OF OUTPUT [WHAT IS THIS?](#)

All outputs

Articles  Books  Book chapters

Data sets  Clinical trial records  News stories

TYPE OF OPEN ACCESS [WHAT IS THIS?](#)

All outputs  Open Access only

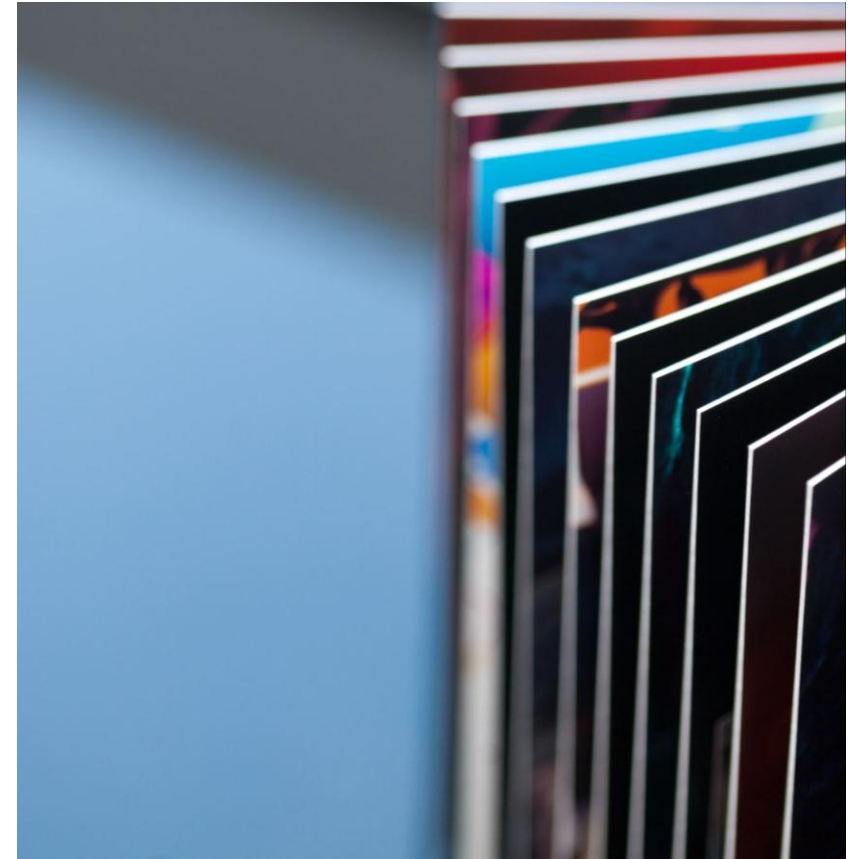
Bronze  Gold  Closed Access

Green  Hybrid

# Google Scholar and Open Access

---

- Links to Green (repositories), Gold Open Access articles (and bibliographic details) from publishers & Research Gate (copyright?)
  - Uses an automatic crawling algorithm that extracts bibliographic data, citations, and other information about scholarly articles from various sources.
- Google's search engine for scholarly literature has begun to include information on open-access publishing in its author profiles.
  - [A coloured bar will now appear under researchers' public profiles, with green indicating articles that should be free to read and are, and red showing apparent breaches of the rules.](#)
- Beware Predatory Publishers





Questions?