

Métricas y los Objetivos de Desarrollo Sostenible

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Agenda

Diseño de Métricas: Ciencia Abierta y los Objetivos de Desarrollo Sostenible

1. Cambiando el Paradigma: La Ciencia Abierta

2. Pecado Original: Medir solo los “papers”

3. Sin olvidar lo cualitativo: Encuestas

4. Indicadores Web

5. Indicadores altmétricos

Conclusiones y Oportunidades

0

TEMA

**ODSs: LOS OBJETIVOS DE
DESARROLLO SOSTENIBLE**



OBJETIVOS DE DESARROLLO SOSTENIBLE

17 OBJETIVOS PARA TRANSFORMAR NUESTRO MUNDO



Datos: Mediados Noviembre de 2019

1

MAS MÉTRICAS Y MAS DIVERSAS

Del “Publica o Perece”



Artículos
(muy y mucho)



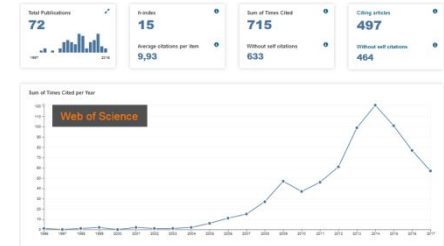
R



Revistas con
Factor de Impacto
Elevado

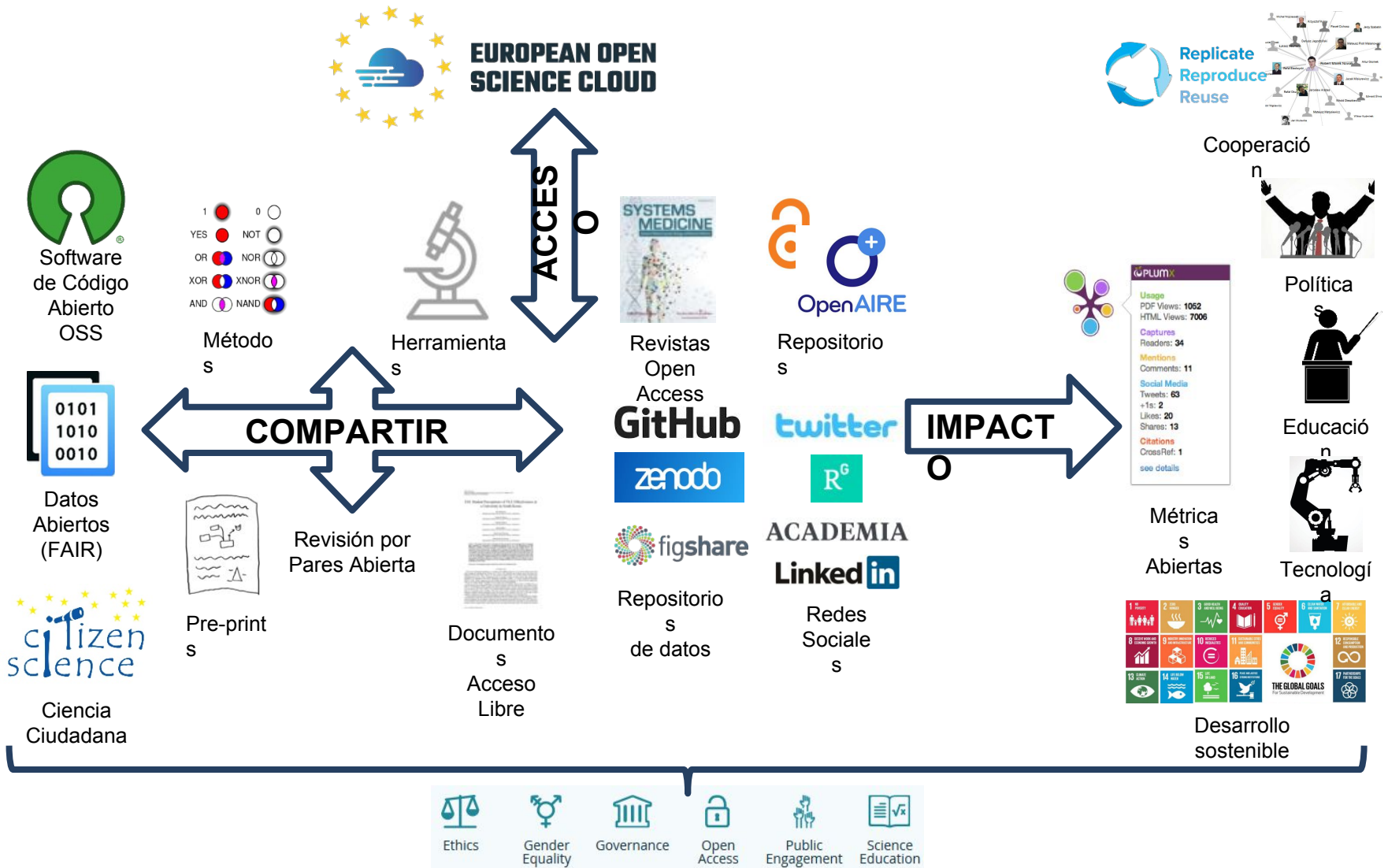


O

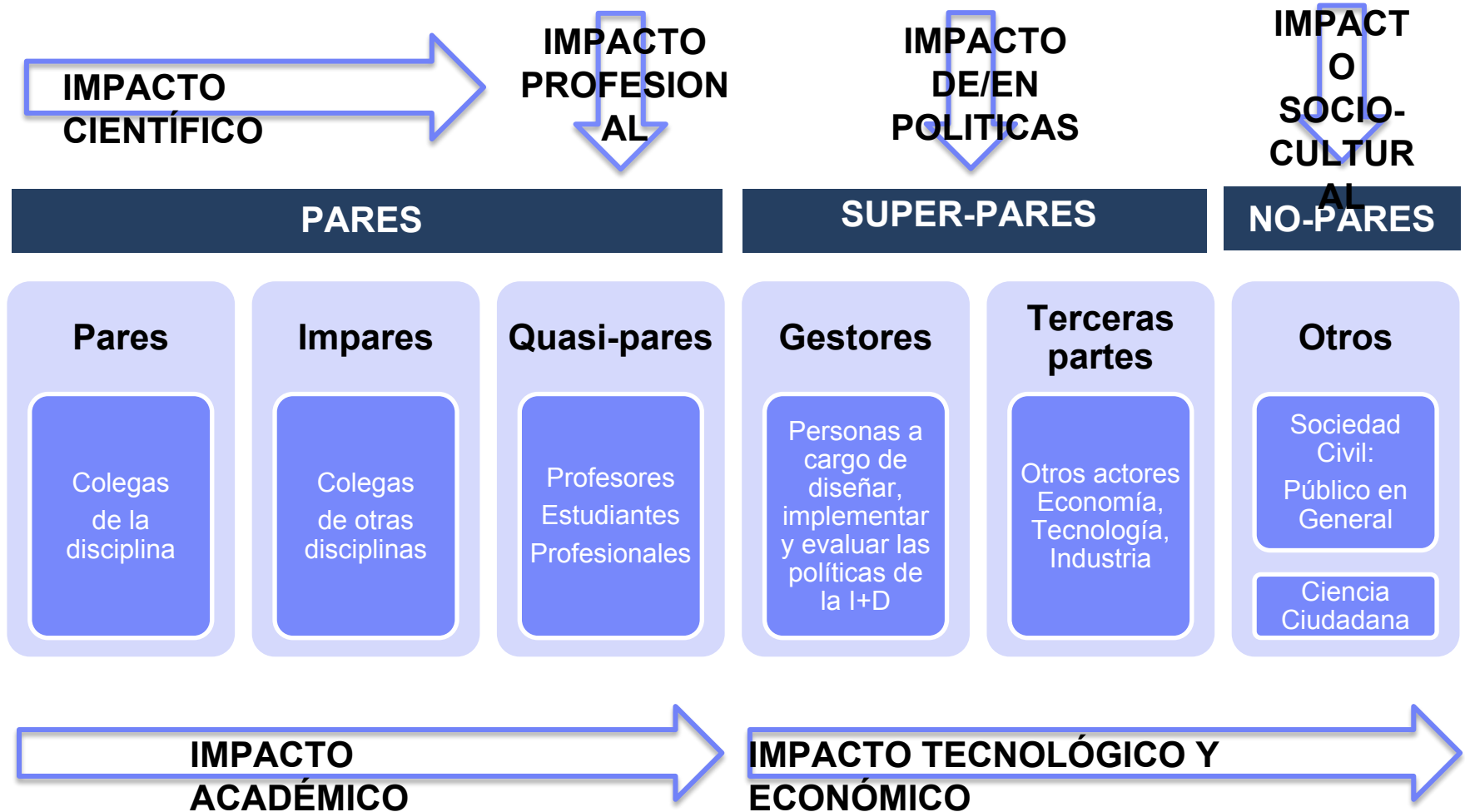


Citas

A la Ciencia Abierta



¿Qué impacto medir y para quien?



2

**PECADO ORIGINAL
MEDIR SOLO “PAPERS”**

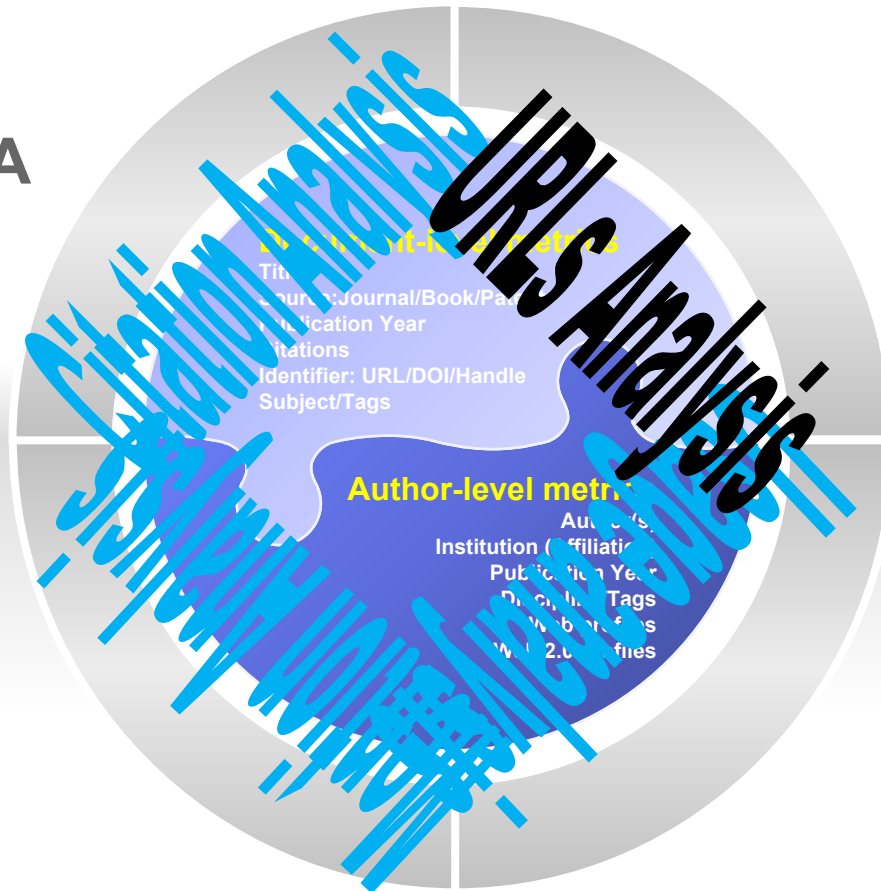
Ampliar el escenario

BIBLIOMETRÍA

WEBOMETRÍA

ALTMETRÍA

USOMETRÍA



Pero también Patentometría

LENS.ORG English

Scholar Results

Scholarly Works (14,060) = sustainable development goals


Filters: Year published = (1950 - 2019)

Works in Set	Works Cited by Patents	Citing Patents	Patent Citations
14,060	2	2	2

Scholarly Works | Citing Patents

Expand All Save Query Share Results Export Results Cited by Patents Hide Analysis Preview Sort by Relevance


- Land and Sustainable Development Goals - Land and Sustainable Development Goals
 - Amlanjyoti Goswami, Deepika Jha, Sudeshna Mitra, Kaye Lushington | Jan 1, 2016
 - Additional Info: [Open Access](#) [Field of Study](#)
 - 0 Patent Citations Reference Count: 0
 - Book [160-488-272-444-11X](#) [10.24943/updsdg2016_4](#) [2766757035](#) [Find full-text at your institution](#)
- Achieving the Sustainable Development Goals - Financing the Sustainable Development Goals
 - Susan Horton
 - Achieving the Sustainable Development Goals, Pages: 206-225. | Apr 11, 2019
 - Additional Info: [Field of Study](#)
 - 0 Patent Citations Reference Count: 1
 - Book Chapter [140-921-686-611-159](#) [10.4324/9780429029622-13](#) [2964058855](#) [Find full-text at your institution](#)
- LibGuides: Sustainable Development Goals: 2017 Sustainable Development Goals
 - Jennifer Lucey
 - | Apr 28, 2016
 - Additional Info: [Field of Study](#)
 - 0 Patent Citations Reference Count: 0
 - Libguide [096-762-957-344-090](#) [2625193551](#) [Find full-text at your institution](#)





Bibliometría

https://vsnu.nl/en_GB/sdg-dashboard-english.html

Universities



Sustainable Development Goals

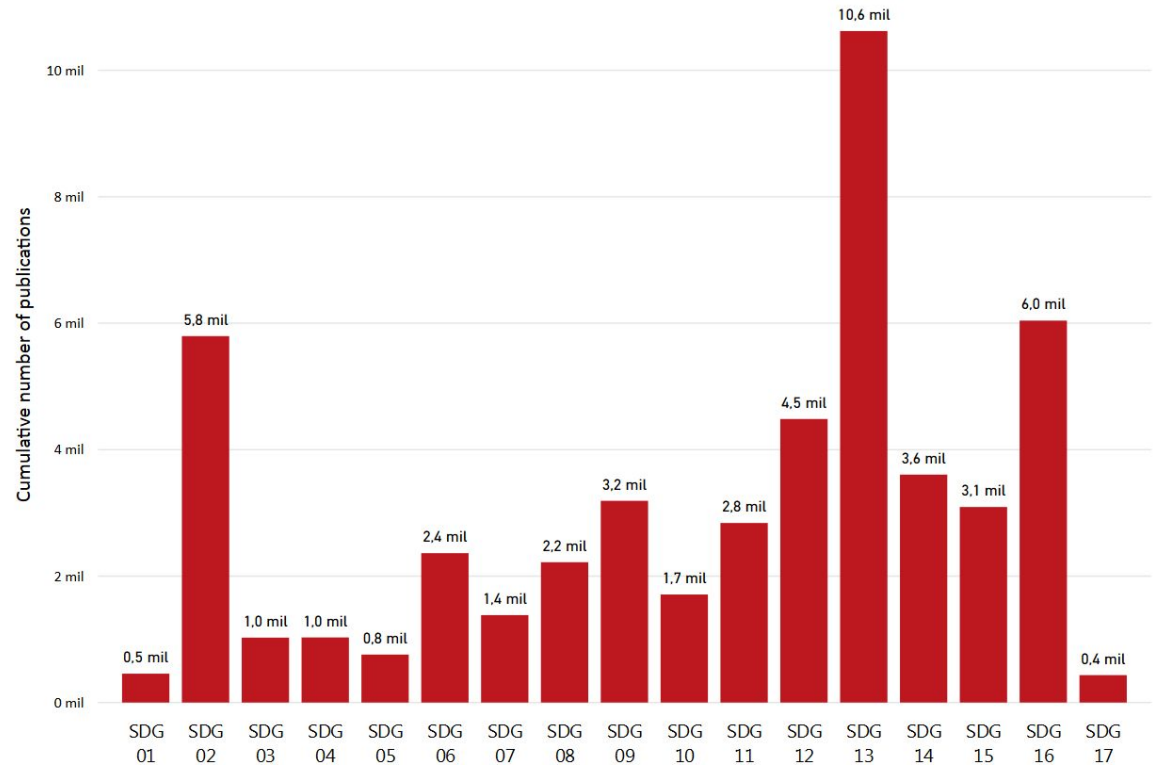



Number of publications per SDG

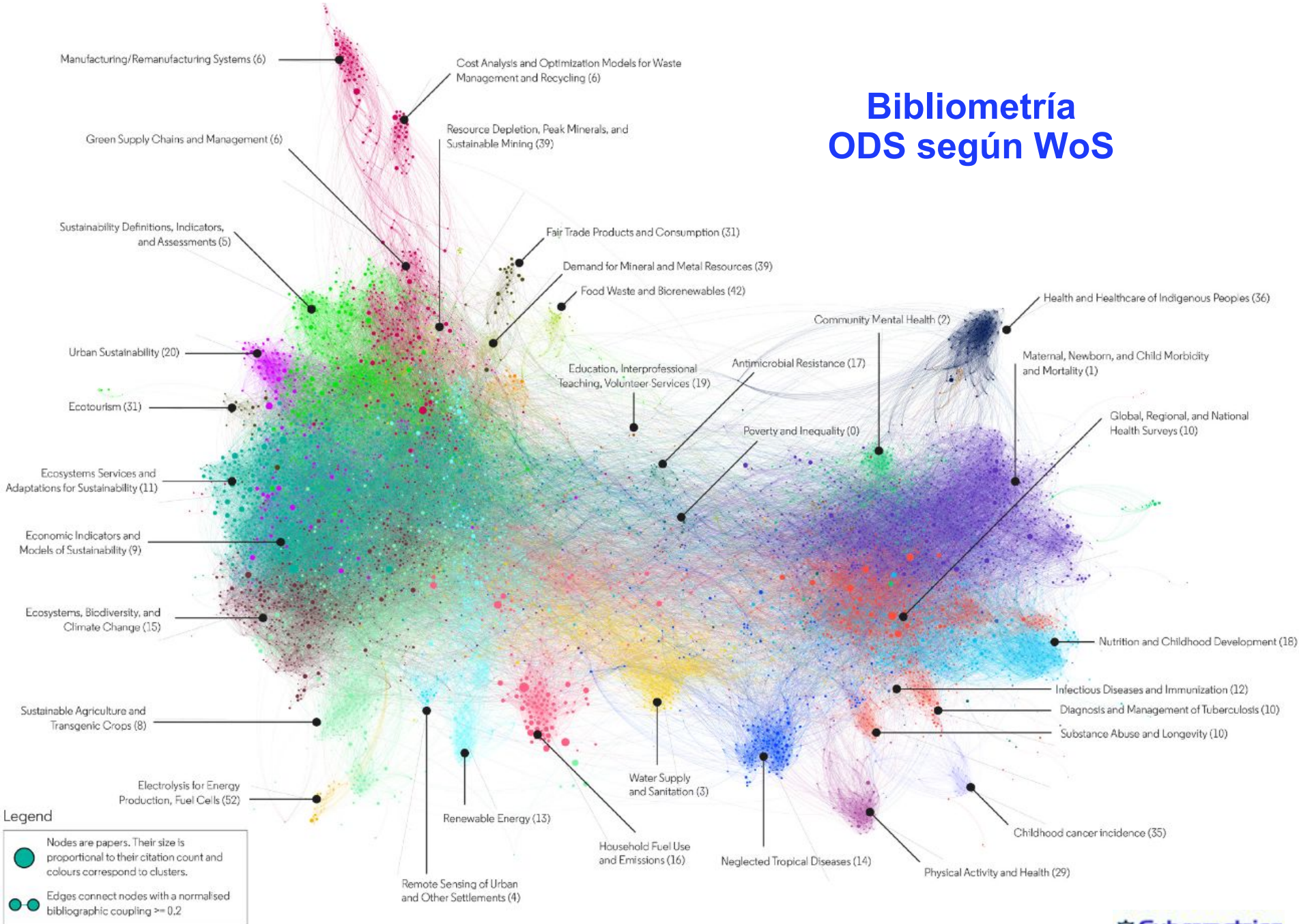
The horizontal axis shows the different SDGs as categories. For each SDG the vertical axis shows the number of publications published by the Dutch universities. **SCOPUS**

Demarcable products	Research Quality	Relevance to Society
Demarcable use of products	<ul style="list-style-type: none"> Count of SDG-related publications Average amount of citations Average Field Weighted Citation Impact (FWCI) Percentage of SDG-related publications in the top 10% most cited publications 	<ul style="list-style-type: none"> Percentage of SDG-related publications published open access Percentage of SDG-related publications with public relation
Percentage of total publications		

Afkorting universiteit ● VSNU



Bibliometría ODS según WoS



Múltiples fuentes

BASE DE DATOS

Web of Science

Scopus

 Dimensions

 **LENS.ORG**
Solving The Problem Of Problem Solving™

Google Scholar

COBERTURA

73 938 675

70 000 000

105 892 983

208 967 093

240 000 000

“Sustainable development goals”
OR “Objetivos de desarrollo sostenible”

5 097

21 268

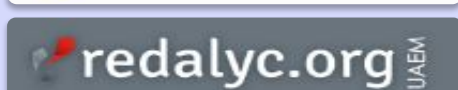
68 915

14 719

154 000*

Fuentes Acceso Abierto

BASE DE DATOS



COBERTURA

154 290 739

135 539 113

65 677 955

31 000 000*

650 000

397 128

6 780 858*

“Sustainable development goals”
OR “Objetivos de desarrollo sostenible”

15 736

25 415

2 341

10 832*

485

128

734

Fuentes de financiación

https://www.wizdom.ai/topic/sustainable_development_goals/38647790

wizdom.ai LOGIN



Sustainable Development Goals

The Sustainable Development Goals (SDGs), officially known as Transforming our world: the 2030 Agenda for Sustainable Development is a set of seventeen aspirational "Global Goals" with 169 targets between them. Spearheaded by the United Nations, through a deliberative process involving its 193 Membe... more

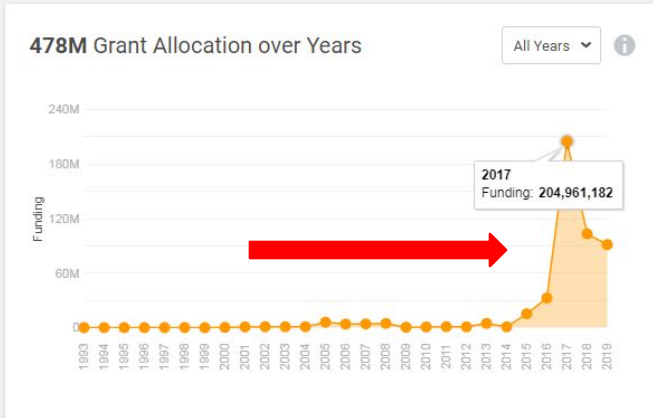
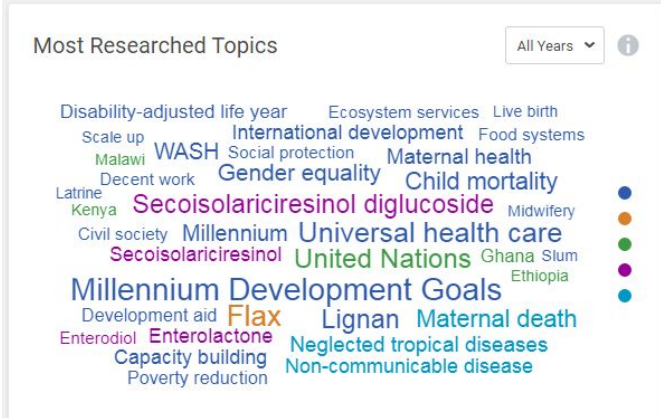
6.8K Publications
476M Funding
20.6K Authors

Stats Overview | Subject Area | Researchers | Institutions | Funders | Patent Analysis | Journals | Publishers



Researchers and Institutions

Researcher	Institution
LT L U Thompson 27 publications	World Health Organization 213 publications
ZB Zulfiqar A Bhutta 22 publications	London School of Hygiene & Tro... 125 publications
KP Kailash Prasad 20 publications	University of Toronto 78 publications
CB Claire E Brolan 17 publications	University of Oxford 77 publications



Altmétricas

<https://wiley.altmetric.com/details/3911260>

Towards Integration at Last? The Sustainable Development Goals as a Network of Targets

Overview of attention for article published in Sustainable Development, April 2015

SUMMARY

News

Policy documents

Twitter

Dimensions citations

Title Towards Integration at Last? The Sustainable Development Goals as a Network of Targets

Published in Sustainable Development, April 2015

DOI 10.1002/sd.1582

Authors David Le Blanc

[View on publisher site](#)

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About this Attention Score

In the top 5% of all research outputs scored by Altmétricas

MORE...

Mentioned by

- 1 news outlet
- 5 policy sources
- 7 tweeters

Citations

198 Dimensions

Readers on

668 Mendeley

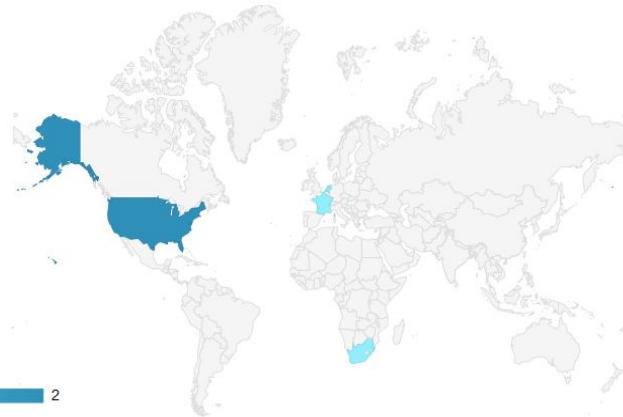
What is this page?

TWITTER DEMOGRAPHICS

MENDELEY READERS

ATTENTION SCORE IN CONTEXT

The data shown below were collected from the profiles of 7 tweeters who shared this research output. [Click here to find out more about how the information was compiled.](#)



Geographical breakdown

Country	Count	As %
United States	2	29%
France	1	14%
South Africa	1	14%
Netherlands	1	14%
Unknown	2	29%

Demographic breakdown

Type	Count	As %
Members of the public	4	57%
Scientists	3	43%

Menciones Web

URLs, Handles (DOIs), direcciones de correo electrónico

The image shows two overlapping screenshots of search results. The top screenshot is a standard Google search for the handle "digital.csic.es/handle/". It shows approximately 302,000 results. The first result is "(CINDOC) Tesoros, Glosarios y Diccionarios - DIGITAL.CSIC" with a red arrow pointing to the result count. Below it are two more results: "Tesauro ISOC de Urbanismo - DIGITAL.CSIC" and "Tesauro de Biblioteconomía y Documentación".

The bottom screenshot is a Google Scholar search for the same handle. It shows approximately 1,950 results. A red arrow points to the result count. The first article is "Estadísticas para repositorios: sistema métrico de datos en Digital. CSIC" by Bernal, J Pemau-Alonso. The second article is "Placing Digital. CSIC as a key element within CSIC's Scientific Information Management System" by Bernal, A Ponsati Obiols. The third article is "Uso de Vocabularios Controlados en Repositorios. La experiencia de DIGITAL. CSIC" by Bernal - 2016.

3

**ALTERNATIVAS:
ENCUESTAS**

IUGreenMetric

<http://greenmetric.ui.ac.id/>



About
About Us

Rankings
Our Rankings











Participants
Our Participants

News & Events
Our News & Events

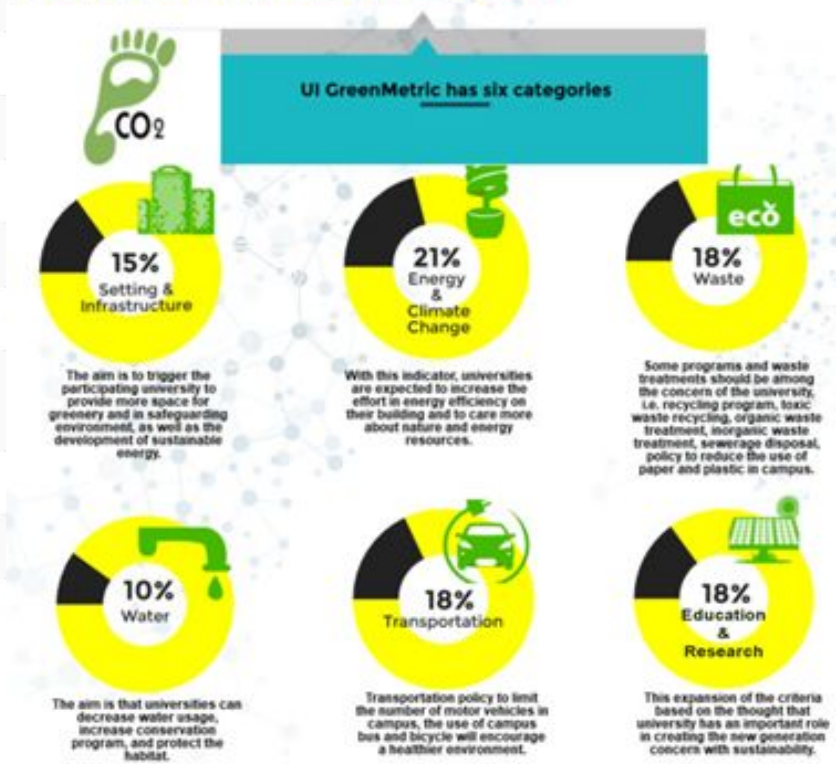
Publications
Our Publications

IUGWURN
Our Network

Ranking	University	Country	Total Score	Setting & Infrastructure	Energy & Climate Change	Waste	Water	Transportation	Education & Research
---------	------------	---------	-------------	--------------------------	-------------------------	-------	-------	----------------	----------------------

1	Wageningen University & Research	Netherland ()	9125	1250	1725				
2	University Of Nottingham	UK ()	8600	1175	1675				
3	University Of California Davis	USA ()	8575	1400	1375				
4	University Of Oxford	UK ()	8525	1150	1625				
5	Nottingham Trent University	UK ()	8450	1225	1675				
6	Umwelt-Campus Birkenfeld	Germany ()	8350	1350	1700				
7	University Of Groningen	Netherland ()	8350	1100	1550				
8	Bangor University	UK ()	8325	1250	1500				
9	University College Cork	Ireland ()	8250	1150	1475				
10	University Of Connecticut	USA ()	8150	1200	1350				

Criteria & Indicator



THE University Impact Rankings

<https://www.timeshighereducation.com/rankings/impact/2019/overall>



4

INDICADORES WEB

Métodos

INDIRECTO

- A través de motores de búsqueda

Google

"sustainable development goals" site:whitehouse.gov



About 94 results (0.30 seconds)

Remarks by the President on Sustainable Development Goals ...

<https://www.whitehouse.gov/the-press-office/2015/09/27/remarks-pre...>
Sep 27, 2015 - Remarks by the President on Sustainable Development Goals. General Assembly Hall United Nations New York, New York. 3:04 P.M. EDT.



FACT SHEET: US Global Development Policy and Agenda 2030

<https://www.whitehouse.gov/the-press-office/2015/09/27/fact-sheet-u...>
Sep 27, 2015 - ... Data, to accelerate the data revolution that will be essential for achieving and measuring progress on the sustainable development goals.



Remarks by the President at the White House Summit on ...

<https://www.whitehouse.gov/the-press-office/2016/07/20/remarks-pre...>
Jul 20, 2016 - We're here to keep the momentum going, guided by the new Sustainable Development Goals, including our goal to end the outrage of extreme ...



FACT SHEET: Financing for Development -- U.S. Government ...

<https://www.whitehouse.gov/the-press-office/2015/07/15/fact-sheet-fi...>
Jul 15, 2015 - ... poverty within a generation and elevates social, economic, and environmental priorities in a new set of sustainable development goals.



Volunteers Unlock the Power of Maps for Sustainable ...

<https://www.whitehouse.gov/blog/2016/07/18/volunteers-unlock-po...>
Jul 18, 2016 - All projects for this year's event were tied to the United Nation's Sustainable Development Goals – 17 global goals for dignity, prosperity, and ...



DIRECTO



Statistical Cybermetrics
Research Group

SocSciBot

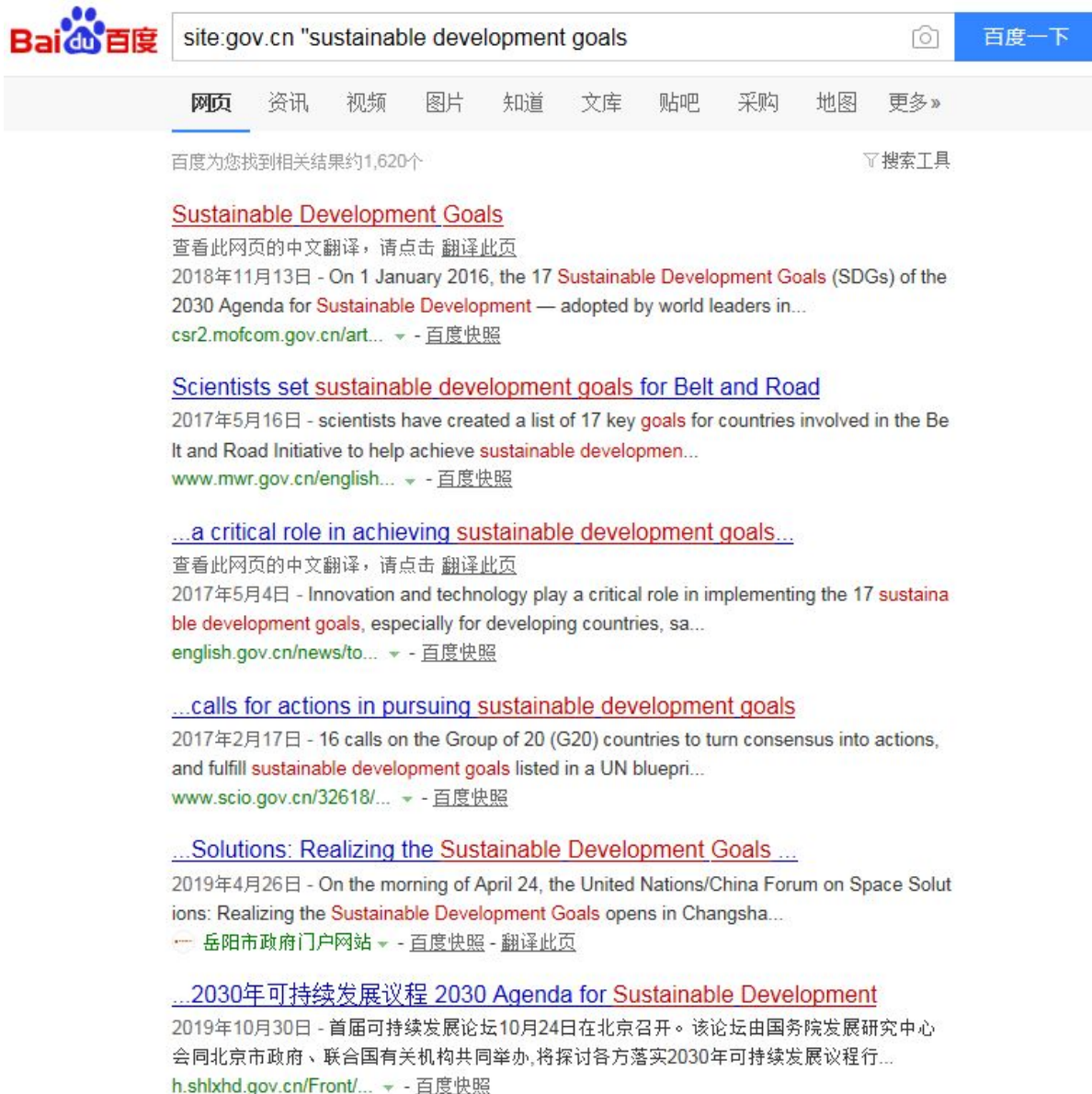
Web crawler and link analyser for the social sciences and humanities

Webometric Analyst

Webometric Analyst is a free Windows-based program for altmetrics, citation analysis, social web analysis and webometrics, including link analysis.

Pero no solo con Google (I): Baidu

<http://www.baidu.com/>

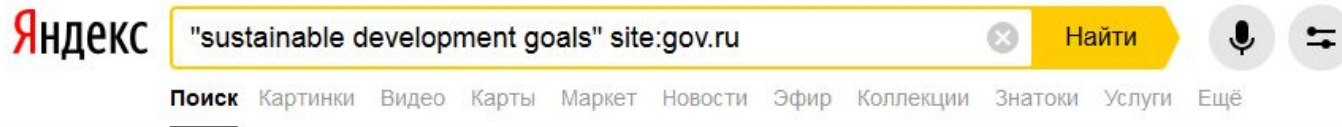


The image shows a screenshot of a Baidu search results page. At the top left is the Baidu logo. The search bar contains the text "site:gov.cn \"sustainable development goals\"". To the right of the search bar is a camera icon and a blue button labeled "百度一下". Below the search bar is a navigation menu with links for "网页", "资讯", "视频", "图片", "知道", "文库", "贴吧", "采购", "地图", and "更多». Below the navigation menu, it says "百度为您找到相关结果约1,620个" and "搜索工具". The search results are listed below, each with a title, a brief description, and a link to the source. The results are:

- [Sustainable Development Goals](#)
查看此网页的中文翻译, 请点击 [翻译此页](#)
2018年11月13日 - On 1 January 2016, the 17 **Sustainable Development Goals** (SDGs) of the 2030 Agenda for **Sustainable Development** — adopted by world leaders in...
[csr2.mofcom.gov.cn/art...](#) - 百度快照
- [Scientists set sustainable development goals for Belt and Road](#)
2017年5月16日 - scientists have created a list of 17 key **goals** for countries involved in the Be lt and Road Initiative to help achieve **sustainable developmen...**
[www.mwr.gov.cn/english...](#) - 百度快照
- [...a critical role in achieving sustainable development goals...](#)
查看此网页的中文翻译, 请点击 [翻译此页](#)
2017年5月4日 - Innovation and technology play a critical role in implementing the 17 **sustaina ble development goals**, especially for developing countries, sa...
[english.gov.cn/news/to...](#) - 百度快照
- [...calls for actions in pursuing sustainable development goals](#)
2017年2月17日 - 16 calls on the Group of 20 (G20) countries to turn consensus into actions, and fulfill **sustainable development goals** listed in a UN bluepri...
[www.scio.gov.cn/32618/...](#) - 百度快照
- [...Solutions: Realizing the Sustainable Development Goals ...](#)
2019年4月26日 - On the morning of April 24, the United Nations/China Forum on Space Solut ions: Realizing the **Sustainable Development Goals** opens in Changsha...
岳阳市政府门户网站 - 百度快照 - [翻译此页](#)
- [...2030年可持续发展议程 2030 Agenda for Sustainable Development](#)
2019年10月30日 - 首届可持续发展论坛10月24日在北京召开。该论坛由国务院发展研究中心会同北京市政府、联合国有关机构共同举办,将探讨各方落实2030年可持续发展议程行...
[h.shlxhd.gov.cn/Front/...](#) - 百度快照

Pero no solo con Google (II): Yandex

<https://yandex.ru/>



Цели устойчивого развития

[ac.gov.ru](#) > [Цели устойчивого развития](#) ▾

7 Millennium Development Goals Report 2015. ... 12 Universal Sustainable Development Goals. [Читать ещё >](#)



Посмотреть

Сохранить на Яндекс.Диск

Нашлось 76 результатов

[Дать объявление](#)

Experts discuss Russia's agenda for sustainable...

[ac.gov.ru](#) > [Events](#) > [024253.html](#) ▾

...the Voluntary National Review on **Sustainable Development Goals**. ... Each chapter of the Review is dedicated to one SDG and contains information about the indicators of the **Sustainable Development Goals**, as well as the measures and initiatives to achieve... [Читать ещё >](#)

The Sustainable Development Goals are Becoming...

[ac.gov.ru](#) > [Events](#) > [023761.html](#) ▾

She noted that the **sustainable development goals** combine the economic, social and environmental development aspects. Meanwhile business is having effect not only on... [Читать ещё >](#)

Financing Sustainable Development Data Call To Action

[data.gov.ru](#) > [sites/default/files...development-data...](#) ▾

The **Sustainable Development Goals** (SDGs) comprise 17 goals, 169 complex targets and 230 indicators. In their scope and scale they present new challenges and opportunities for monitoring development progress, requiring a vastly expanded data... [Читать ещё >](#)



Посмотреть

Сохранить на Яндекс.Диск

Sustainable Development Goals Cannot be Achieved unless...

[ac.gov.ru](#) > [Events](#) > [022666.html](#) ▾

"The **sustainable development goals** combine 3 aspects – economic, social and environmental, and business plays an important role in each of them... [Читать ещё >](#)

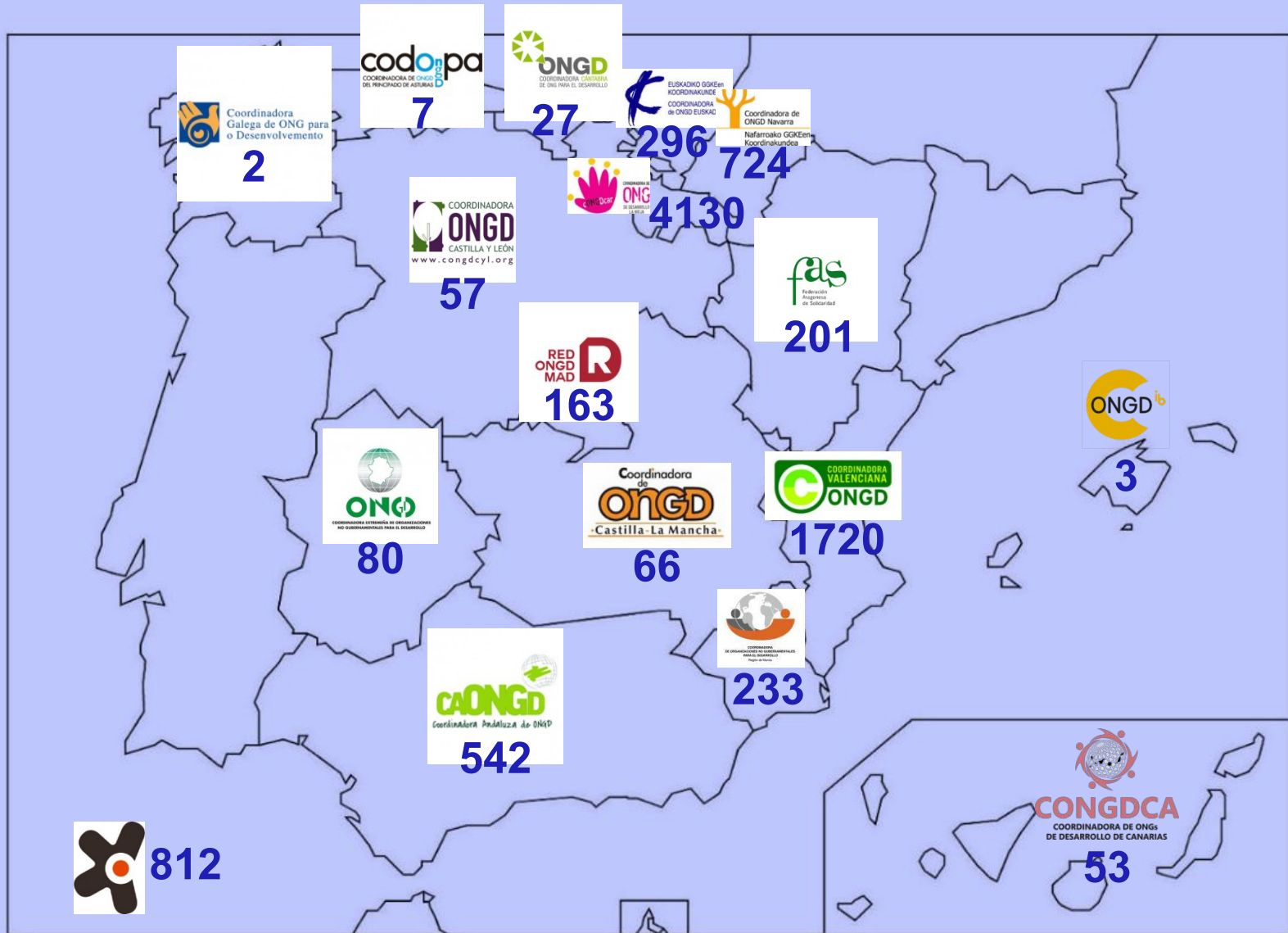
Ejemplos: Periódicos Españoles

“Objetivos de desarrollo sostenible”



ONGs de Cooperación para el Desarrollo

“Objetivos de desarrollo sostenible”



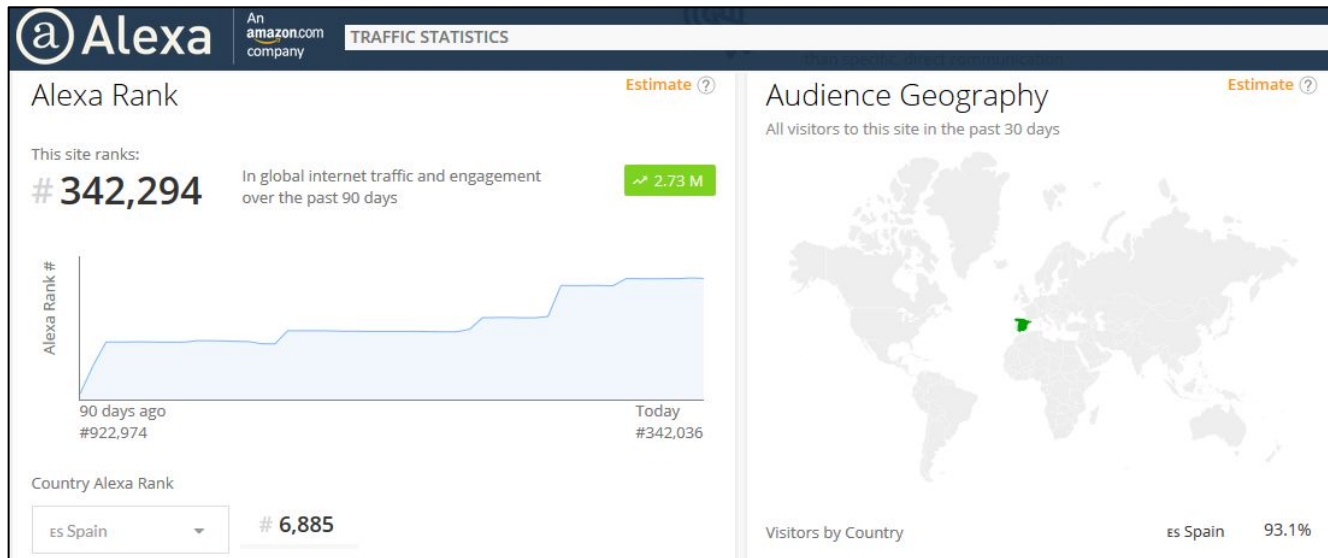
Empresas Españolas

“Objetivos de desarrollo sostenible”

	8		42		0		1
	120		0		0		0
	81		7		1		139
	235		56		22		4
	158		189		0		8
	156		1		40		0
	0		5		40		
	1		4		0		
	9		4		194		

Visitas (Alexa) y Enlaces (Majestic)

<https://www.agenda2030.gob.es/>



Tools Support

The Majestic Million

The million domains we find with the most referring subnets

Search	Type	Filter	Export
<input type="text" value="agenda2030.gob.es"/> <input type="button" value="SEARCH"/>	<input type="text" value="Majestic Million"/>	<input type="text" value="Select TLD"/>	<input type="button" value="CSV (~80MB)"/>

Unfortunately agenda2030.gob.es is not in the Majestic Million.

Top Million Root Domains List generated on 13 Nov 2019 using data from the Fresh [Index built](#) on 13 Nov 2019 09:38 GMT

¿Quién enlaza?

<https://majestic.com/reports/site-explorer/>

MAJESTIC Site Explorer (play video) or [compare](#)

ods.cat Root Domain Q

Portada - Universidades y Objetivos de Desarrollo Sostenible

EXTERNAL BACKLINKS	REFERRING DOMAINS	REFERRING IPS	REFERRING SUBNETS
FRESH	FRESH	FRESH	FRESH
85	13	12	12


Referring Domains	Home Page Title	Topical Trust Flow	Backlinks	Average External Domains / Page	Trust Flow
portalpaula.org	Portal PAULA » Recursos per a la integració cur...	14 Reference / Education	19	3	14
iau-aiu.net	IAU - International Association of Universities...	56 Reference / Education	17	3	56
odenavillage.cat	Inici - Òdena Village - Espai d'esport i natura...	2 Sports / Motorsports	13	5	2
acup.cat	Associació Catalana d'Universitats Públiques ...	29 Reference / Education	11	7	30
outlook.com	Outlook – free personal email and calendar from...	59 Reference / Education	9	1	64
udg.edu	Universitat de Girona > UdG	61 Reference / Education	3	3	62
iau-hesd.net	HESD - Higher Education for Sustainable Develop...	24 Reference / Education	3	4	24
guninetwork.org	Guni Network	31 Reference / Education	3	3	31
upc.edu	UPC - UPC Universitat Politècnica de Catalunya	66 Reference / Education	2	3	68
nataliacarbonell.com	Inicio - NATALIA CARBONELL		2	11	0
uab.cat	Universitat Autònoma de Barcelona - UAB Barcelona	63 Reference / Education	1	3	65
barcelonesjove.net	Àrees d'interès barcelonesjove.net	35 Regional / Europe	1	15	35
xarxanet.org	Xarxanet - Entitats i voluntariat de Catalunya ...	42 Society / Organizations	1	11	42

Posicionamiento en Google

<https://www.agenda2030.gob.es/>

MOZ PA: 39 154.242 links DA: 44 Spam Score: -11

On-Page Elements General Attributes Link Metrics Markup Http Status (302)

Tag/Location	Content	# of Characters
URL	 https://www.agenda2030.gob.es/	30
Page Title	Agenda 2030 - Gobierno de España	34
Meta Description	Not found	--
Meta Keywords	HTML5 Template	14
H1	Página Web Oficial Gobierno de España - Agenda 2030	51
H2	Formulario de búsqueda • Últimas publicaciones • En twitter	59



OBJETIVOS ACTUALIDAD ALIANZAS TÚ TAMBIÉN TRANSFORMAS ALTO COMISIONADO RECURSOS



¡Comienza el camino hacia la transformación!

[CONOCE LOS ODS](#)

5

ALTMÉTRICAS

Menciones en Redes Sociales

ODS en los idiomas españoles

GROUP	TOOLS	Sustainable Development Goals	Objetivos de Desarrollo Sostenible	Objectius de Desenvolupament Sostenible	Garapen Iraunkorrerako Helburuak	Obxectivos de Desenvolvemento Sostible
ACADEMIC	RESEARCHGATE	397000	18400	128	1	2
	ACADEMIA	68600	40100	262	1	4
GENERAL	FACEBOOK	471000	136000	2830	111	1350
	LINKEDIN	217000	23600	230	2	4
	RENREN	1	0	0	0	0
	ZHIHU	212	1	0	0	0
	VK	490	17	0	0	0
	(DATA) DEPOSITS	SCRIBD	59400	190000	339	0
	SLIDESHARE	17500	12400	133	3	7
	GITHUB	1740	115	1	1	0
	FIGSHARE	287	3	0	0	0
	ZENODO	752	63	1	0	0
	DRYAD	5	0	0	0	0
WIKIPEDIA	WIKIPEDIA	3010	608	85	2	1
	WIKIPEDIA (ENGLISH)	2070	4	0	0	0
	WIKIPEDIA (SPANISH)	42	497	0	0	0
	WIKIPEDIA (CATALONIAN)	7	6	68	0	0
	WIKIPEDIA (BASQUE)	0	0	0	0	0
	WIKIPEDIA (GALICIAN)	2	1	0	0	1
	WIKIMEDIA	1280	211	0	2	0
	WIKIA	197	59	0	0	0
(MICRO/MEDIA) BLOGS	TWITTER	84500	27300	1410	25	91
	WEIBO	0	3	0	0	0
	YOUTUBE	32700	9540	218	13	82
	VIMEO	1380	208	2	0	0
	PINTEREST	47000	41300	113	0	37
	INSTAGRAM	1970	477	0	0	1

Menciones en Redes Sociales

Sedes web institucionales

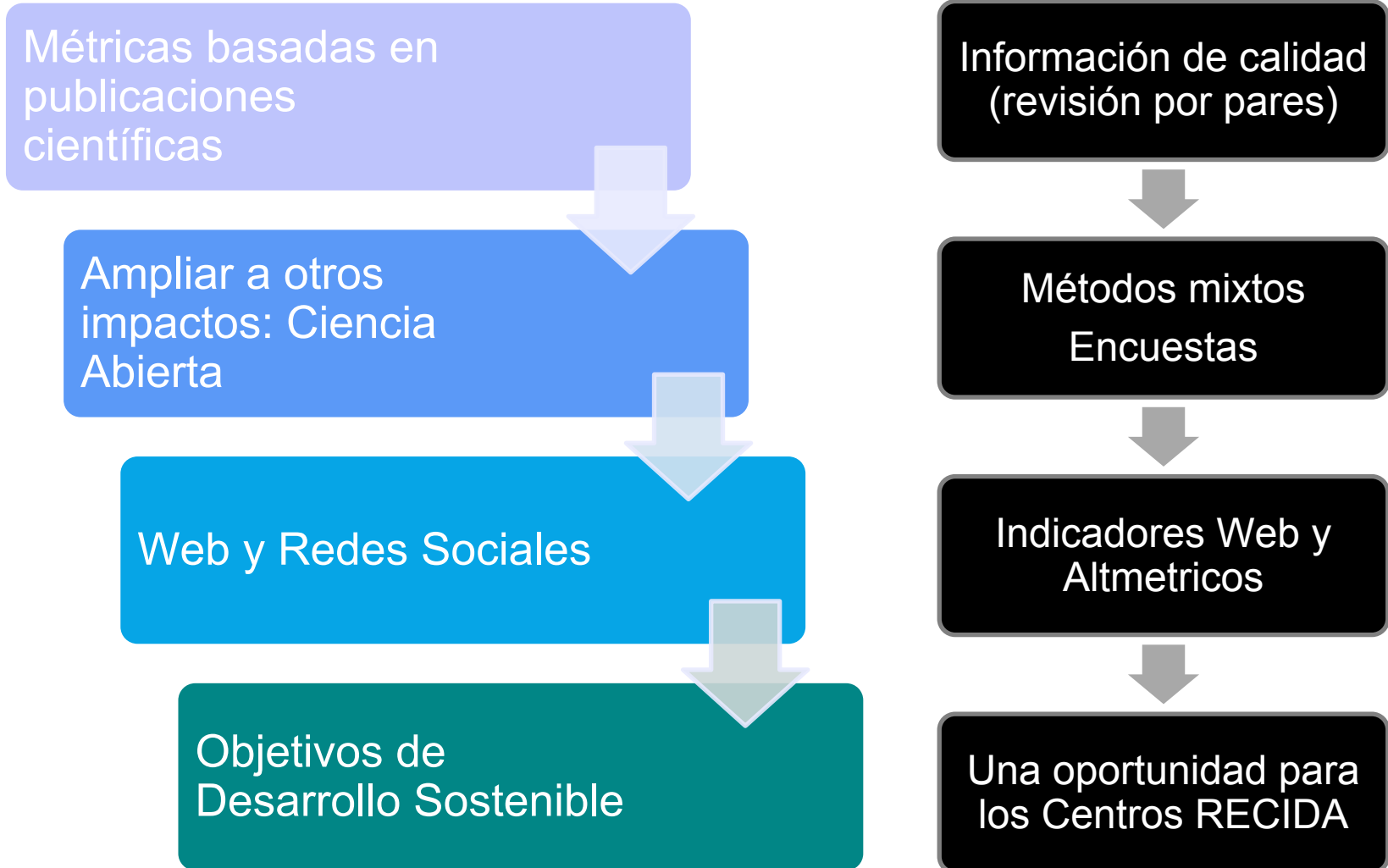
GROUP	TOOLS	un.org/ sustainable development	agenda2030.gob.es	ods.cat
ACADEMIC	RESEARCHGATE	0	0	20
	ACADEMIA	1890	0	4
GENERAL	FACEBOOK	6340	0	0
	LINKEDIN	421	7	35
	RENREN	0	0	0
	ZHIHU	6	0	0
	VK	315	0	0
(DATA) DEPOSITS	SCRIBD	2120	0	62
	SLIDESHARE	456	4	1
	GITHUB	50	0	2
	FIGSHARE	3	1250	0
	ZENODO	0	20	0
	DRYAD	0	100	0
WIKIPEDIA	WIKIPEDIA	189	0	0
	WIKIPEDIA (ENGLISH)	9	1	0
	WIKIPEDIA (SPANISH)	0	0	0
	WIKIPEDIA (CATALONIAN)	2	1	0
	WIKIPEDIA (BASQUE)	0	0	0
	WIKIPEDIA (GALICIAN)	0	0	0
	WIKIMEDIA	138	0	0
	WIKIA	8	0	0
(MICRO/MEDIA)	TWITTER	29	1	73
BLOGS	WEIBO	5	0	0
	YOUTUBE	86	0	1
	VIMEO	62	1210	0
	PINTEREST	177	124	0
	INSTAGRAM	176	0	0

Menciones en Redes Sociales

ODS específicos

GROUP	TOOLS	Fin de la Pobreza	Salud y Bienestar	Hambre Cero	Energia asequible y no Contaminante	Produccion y Consumo Responsables	Reduccion de las desigualdades	Accion por el Clima
ACADEMIC	RESEARCHGATE	40300	22100	626	115	76	13300	986
	ACADEMIA	143000	46100	1410	187	0	42300	13600
GENERAL	FACEBOOK	146000	7430000	36400	1750	1430	6180	14200
	LINKEDIN	0	130000	1200	137	190	577	0
	RENREN	0	0	0	0	0	0	0
	ZHIHU	0	1	0	0	0	0	2
	VK	4	98	2	0	0	0	0
(DATA) DEPOSITS	SCRIBD	596000	264000	11500	0	813	64300	20100
	SLIDESHARE	40100	23900	850	83	176	0	1530
	GITHUB	5	198	9	5	3	53	0
	FIGSHARE	0	0	0	0	0	0	0
	ZENODO	0	51	2	0	0	5	1260
	DRYAD	0	0	0	0	0	0	0
WIKIPEDIA	WIKIPEDIA	3260	754	73	1	1	324	0
	WIKIPEDIA (ENGLISH)	0	6	1	0	0	0	111
	WIKIPEDIA (SPANISH)	3160	686	61	0	1	264	1
	WIKIPEDIA (CATALONIAN)	0	1	0	0	0	1	136
	WIKIPEDIA (BASQUE)	0	1	0	0	0	0	0
	WIKIPEDIA (GALICIAN)	0	1	0	0	0	0	0
	WIKIMEDIA	2	127	6	3	0	5	2
	WIKIA	3	106	0	0	3	1	0
(MICRO/MEDIA) BLOGS	TWITTER	23800	43600	6620	443	343	1340	2200
	WEIBO	0	7	0	0	0	0	1
	YOUTUBE	9890	219000	2530	273	269	439	0
	VIMEO	150	0	41	4	0	2	25
	PINTEREST	33900	0	7560	93	98	338	0
	INSTAGRAM	132	5650	143	5	0	0	83

Oportunidades



¡Gracias! ¿Preguntas?

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Higher education in Europe 33 (2-3), 233-244

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Publications (50)
Visibilidad de la web de las universidades de su actividad científica en internet
Journal: Medicina Clínica - MED CLIN, vol. 137, no. 13, pp. 605-611, 2011

Publications (50)
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Áreas de conocimiento
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Autor en otros Catálogos
Biblioteca Nacional de España
VIAF: Fichero de Autoridades Virtual Internacional

Período de publicación recogido
1987 - 2012

Artículos de revistas (50) (Colaboraciones en otras revistas (22) Libros (1))

Artículos de revistas
La necesaria evolución de la cibermetría
Isidro F. Aguillo Caño
Anuario THEMIP, ISSN 1886-6344, Nº. 1, 2012, págs. 119-122

El año de las ciencias sociales y humanas
Isidro F. Aguillo Caño
Anuario THEMIP, ISSN 1886-6344, Nº. 1, 2012, págs. 105-109

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Publications
Journal Article (104)
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