

Overview of Dimensions & the UN SDGs

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Universidade de São Paulo | February 29, 2024

Presenter: Shannon O'Reilly, Product Specialist s.oreilly@digital-science.com

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Announcements

- Today's webinar is being recorded
- Slides and the recording will be shared with attendees
- Attendees can ask questions using the "Q&A" function

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Today's Agenda

- Overview of Dimensions
- UN Sustainable Development Goals (SDGs)

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- SDG classification in Dimension
- Demonstration of Dimensions
- Your time Q&A!



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A "linked research knowledge system" (database) bringing multiple content types into a single place for improved global discovery and analysis

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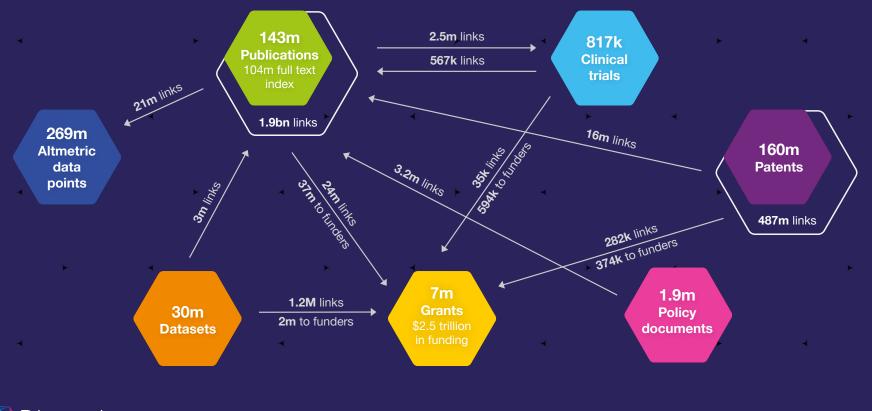
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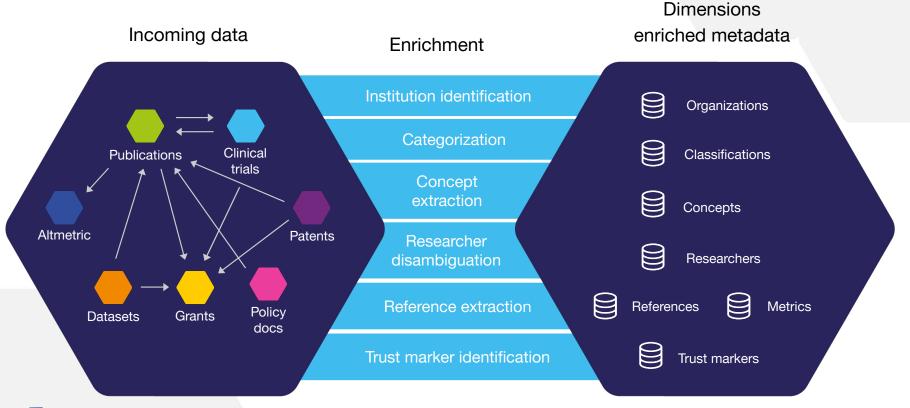


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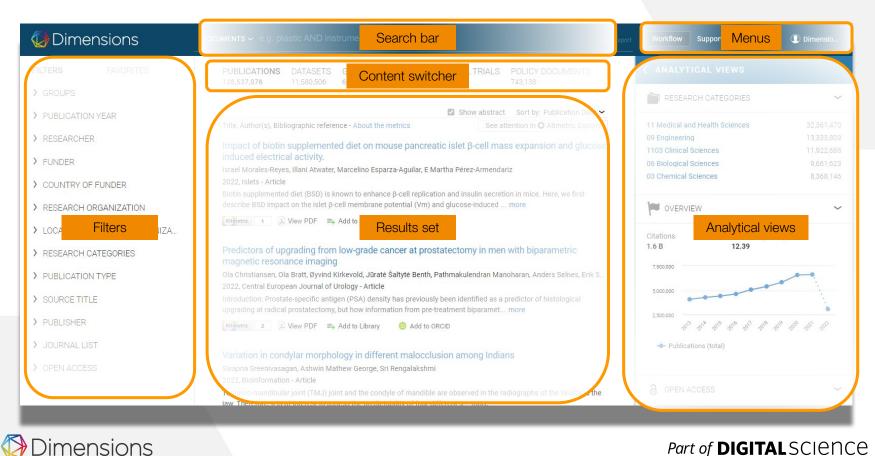
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GROUPS		RESEARCH CATEGORIES	
> PUBLICATION YEAR	☑ Show abstract Sort by: Publication date ∽		
, FOBEIGATION FEAR	Title, Author(s), Bibliographic reference - About the metrics See attention in O Altmetric Explorer	32 Biomedical and Clinical Sciences	32,109,2
> RESEARCHER		40 Engineering	18,656,
KEOS HOLEX Joseph Needham's 'Motivations for Participation' and 'Major Roles' in the International Scientific Commission on Bacterial Warfare during the Korean War Taewoo Kim		3202 Clinical Sciences	13,696,
		31 Biological Sciences	11,075,3
	2024, Korean Journal of Medical History - Article	34 Chemical Sciences	9,228,
COUNTRY OF FUNDER	This paper analyzes the motivations of the British biochemist Joseph Needham for participating in 'the International Scientific		
RESEARCH ORGANIZATION	Commission for the Investigation of the Facts Concerning Bacterial more View PDF == Add to Library	Verview	
LOCATION - RESEARCH ORGANIZATION	A view rul =+ nou is clurary	Citations Citations (Mea	(n)
RESEARCH CATEGORIES	Medical Support Provided by the UN's Scandinavian Allies during the Korean War Sekwon Jeong, You Ki Min, Sanduk Lee	1.9 B 13.22	
	2024, Korean Journal off Medical History - Article	10,000,000	
> PUBLICATION TYPE	The humanitarian motivation of medical support from the three Scandinavian countries during the Korean War cannot be doubted,		
DOCUMENT TYPE	but the countries also had to be politically sensitive during this period more		
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SOURCE TITLE	E de la contra de la	an "a "a "a "a "a "a	
> PUBLISHER	Computational design of α -amylase from Bacillus licheniformis to increase its activity and stability at high temperatures	ార్ ార్ ార్ ార్ ార్ ◆ Publications (total)	19° 19° 19° 19°
> JOURNAL LIST	Shuai Fan, Xudong Lü, Xiyu Wei, Ruijie Lü, Cuiyue Feng, Yuanyuan Jin, Maocai Yan, Zhaoyong Yang 2024, Computational and Structural Biotechnology Journal - Article		
> OPEN ACCESS	The thermostable α-amylase derived from Bacillus licheniformis (BLA) has multiple advantages, including enhancing the mass transfer rate and by reducing microbial contamination in starch hydrolysis. N more	OPEN ACCESS	
	Atmetric 1 刘 View PDF = Add to Library	Closed	93,743,
		All OA	49,412,3
About Dimensions - LinkedIn - X	An Observational Study of Dialogue about Uncertainty in Clinician-Family Counseling Conversations	Gold	16,605,
Privacy policy · Cookie settings · Legal terms	Following Prenatal Diagnosis of Complex Congenital Heart Disease	Bronze	14,697,
© 2024 Digital Science & Research Solutions, Inc.	Kelly W. Harris, Kelsey Schweiberger, Ann Kavanaugh-McHugh, Robert M. Arnold, Jessica Merlin, Judy C. Chang, Nadine A. Kasp 2024. PEC Innovation - Article	Green	11,323,

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Accessing Dimensions at USP

Dimensions Analytics USP

Descrição: A Plataforma Dimensions contempla itens de publicação bem mais amplos e conteúdos distintos que as outras plataformas analíticas de publicações científicas como Scival (Elsevier) e InCites (Clarivate Analytics), uma vez que se baseia em Digital Object Identifiers (DOIs) atribuídos a conteúdos digitais em geral tais como artigos, e-books, financiamentos, conjuntos de dados científicos, menções online, testes clínicos, patentes, documentos de políticas, independente de indexação nas bases de dados mencionadas, fornecendo links para os websites onde os conteúdos digitais efetivamente podem ser consultados. Metabuscador estruturado pela Digital Science que congrega recursos sobre produção científica de mais de 100 fornecedores de informação. De pesquisadores a administradores de pesquisa, financiadores de P & D e editores corporativos - cada um tinha suas próprias ferramentas, conjuntos de dados, lentes nas quais visualizavam seus dados e fluxos de trabalho estruturados exclusivos. Permite realizar estudos e análises por país, por universidade, por agência de financiamento e por Publisher, incluindo a USP e suas publicações do Portal de Revistas e do Portal de Livros. É necessário utilizar uma conexão de IP autorizado e registrarse para ter acesso a todas as funcionalidades do Dimensions Analytics.

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Assinatura: USP (01/12/2023 a 30/11/2024)

Assuntos: Agência USP de Gestão da Informação Acadêmica, Agências de Fomento, Altmetrics, Análise Bibliométrica, Bibliometria, Crossref, Desenvolvimento de coleções, Dimensions, Dimensions Analytics, DOI, Editoras, Estudos bibliométricos, Financiamento da Pesquisa, Funders, Indicadores, Inovação, Métricas, Patentes, Pesquisa, Pesquisadores, Publishers, Revistas, Unpaywall, usp

Área(s) de conhecimento: Biológicas, Exatas, Humanas

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UN Sustainable Development Goals (SDGs)

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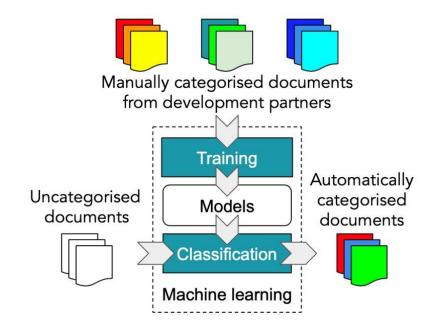


The Sustainable Development Goals

- A set of **17 comprehensive goals** introduced by the United Nations to **tackle global** challenges by 2030.
- Provide guidelines for a sustainable development path aiming to balance economy, society, and environmental development.
- **Inclusive Approach:** Encourages universal participation and attention to marginalized groups, emphasizing equality and social inclusion.
- **Multidisciplinary Collaboration:** Calls for extensive cooperation across academia, governments, and industry for successful implementation.



Dimensions AI-driven SDG Classification



Sustainable Development Goals

- · Goal 1. End poverty in all its forms everywhere
- Goal 2. End hunger, achieve food security and improved nutrition and promote sustainable agriculture
- · Goal 3. Ensure healthy lives and promote well-being for all at all ages
- Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all
- · Goal 5. Achieve gender equality and empower all women and girls
- Goal 6. Ensure availability and sustainable management of water and sanitation for all
- · Goal 7. Ensure access to affordable, reliable, sustainable and modern energy for all
- Goal 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all
- Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation
- · Goal 10. Reduce inequality within and among countries
- · Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable
- · Goal 12. Ensure sustainable consumption and production patterns
- · Goal 13. Take urgent action to combat climate change and its impacts*
- Goal 14. Conserve and sustainably use the oceans, seas and marine resources for sustainable development
- Goal 15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss
- Goal 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
- Goal 17. Strengthen the means of implementation and revitalize the global
 partnership for sustainable development

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BROWSE CATEGORIES for Publications

- Fields of Research (ANZSRC 2020)
- Research, Condition, and Disease Cate...
- Health Category (HRCS)

Research Activity Codes (HRCS)

Cancer Types

Common Scientific Outline (CSO)

Units of Assessment

Sustainable Development Goals

About Research Classifications

Dimensions

United Nations Sustainable Development Goals (SDGs)

We have implemented the UN Sustainable Development Goals (SDGs) as a classification scheme covering areas of research associated with one or more SDGs (the majority of the SDGs are interrelated). The scheme uses automated allocation of the 17 SDGs and their associated targets and indicators to all fitting documents in Dimensions thereby addressing research areas aligned to the goals.

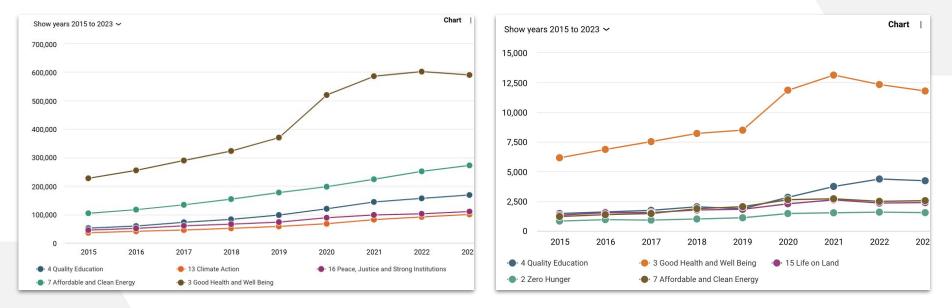
1 No Poverty 2 Zero Hunger 3 Good Health and Well Being **4 Quality Education 5** Gender Equality 6 Clean Water and Sanitation 7 Affordable and Clean Energy 8 Decent Work and Economic Growth 9 Industry, Innovation and Infrastructure **10 Reduced Inequalities** 11 Sustainable Cities and Communities 12 Responsible Consumption and Production **13 Climate Action** 14 Life Below Water 15 Life on Land 16 Peace, Justice and Strong Institutions 17 Partnerships for the Goals

Dimensions	DOCUMENTS V Universidade de São Paulo X 15 Life on Land Research Organization X Save / Export	support 🛈 Shannon
FILTERS FAVORITES	PUBLICATIONS DATASETS GRANTS PATENTS CLINICAL TRIALS 4,329 68 550 selected filter not selected filter not	ANALYTICAL VIEWS
> GROUPS	applicable applicable	RESEARCH CATEGORIES ~
> PUBLICATION YEAR	0	31 Biological Sciences 2,057
> RESEARCHER	✓ Show abstract Sort by: Publication date ~	41 Environmental Sciences 1,742
> FUNDER	Title, Author(s), Bibliographic reference - About the metrics See attention in O Altmetric Explorer	3103 Ecology1,60230 Agricultural, Veterinary and Food Sciences923
> COUNTRY OF FUNDER	Pegada de CO2 da madeira nativa destinada à construção civil proveniente de diferentes tipos de exploração florestal	4102 Ecological Applications 583
> RESEARCH ORGANIZATION	Cássio Gomes de Oliveira, Katia Regina Garcia Punhagui, Lidiane Santana Oliveira, Fernanda Belizário 2024, Ambiente Construído - Article	OVERVIEW to the second
> LOCATION - RESEARCH ORGA	Resmo O uso da madeira é frequentemente apontado como uma estratégia de descarbonização para a construção. Entretanto, a pegada de CO2 da madeira nativa, ou seja, que são as emissões	Citations (Mean)
> RESEARCH CATEGORIES	decorrentes da su more ↓ View PDF = Add to Library	123 K 28.39
> PUBLICATION TYPE		500
> DOCUMENT TYPE	Discrepancies between observation and ERA5 reanalysis in the Amazon deforestation context: A case study	250
> SOURCE TITLE	Queren Priscila da Silva, Demerval Soares Moreira, Helber Custódio de Freitas, Leonardo Moreno Dom 2024, Dynamics of Atmospheres and Oceans - Article	0
> PUBLISHER	Deforestation in tropical areas is broadly reported to change the climate both locally and regionally. Warmer and drier conditions, as well as changes in precipitation patterns, are linked to deforest more	 Publications (total)
> JOURNAL LIST	Altmetric 1 =+ Add to Library	

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SDGs in Publications

Global



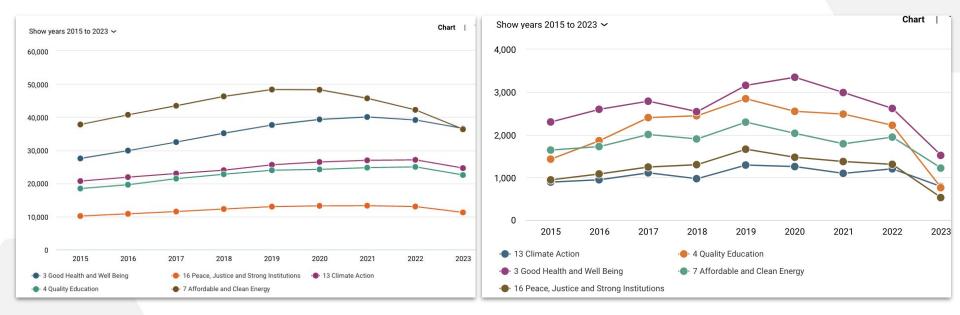
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SDGs in Research Grants

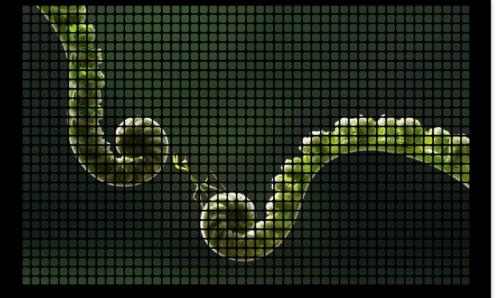
Global



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Digital Research Report

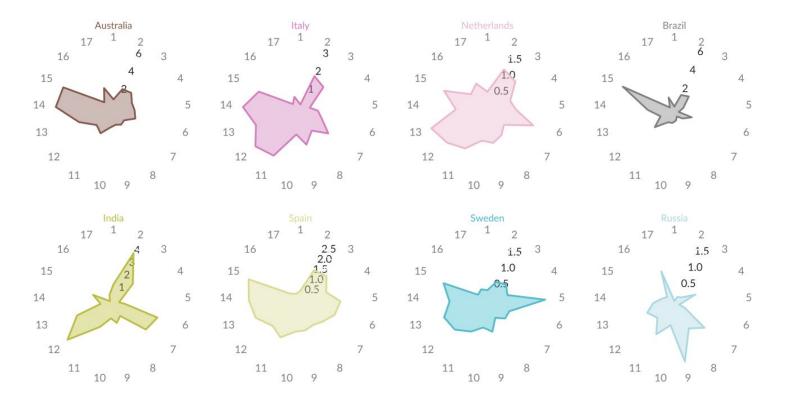
Contextualizing Sustainable Development Research

Using Dimensions to explore the global landscape of research on Sustainable Development Goals Foreword by Keith Webster

Juergen Wastl, Daniel W. Hook, Briony Fane, Hélène Draux and Simon J. Porter



Localization of SDG research



How collaborative is SDG research

Country	International %	International SDG %	Variance %
Japan	27.18	40.85	13.67
France	55.18	65.72	10.54
China	27.71	35.50	7.79
Germany	51.96	58.91	6.95
Brazil	28.90	35.55	6.65
Netherlands	61.00	66.46	5.46
United Kingdom	54.73	59.25	4.53
India	22.86	27.11	4.25
United States	36.22	39.66	3.44
Australia	55.68	58.51	2.83
Spain	47.78	50.61	2.82
Italy	49.19	51.84	2.64
Canada	52.99	55.52	2.53
Sweden	65.49	65.12	-0.37
Russia	26.88	26.14	-0.74

Table 2: Comparison of levels of international collaboration in SDG-aligned output and total research output for the top SDG-producing countries. International % column - percentage of total country publication output involving at least one co-author with an affiliation outside the country of focus; International SDG % - as previous column but restricted to SDG-aligned research across any of the 17 SDGs. Publication sample window includes all publications between 2015 and 2020.



Dimensions & SDG analysis in action



← See all posts

Zooming in on zoonotic diseases

23rd March 2023 | Dr Briony Fane, Ann Campbell and Dr Juergen Wastl

Analysis reveals disparities in funding to combat global impacts of climate change on health

"Climate change is one of the biggest threats to health." —Dr Beth Thompson, interim Director of Strategy, Wellcome Trust (7 February 2023).



Laboratory worker in the Rodolphe Mérieux laboratory of Bamako, Mali. This lab helps to diagnose Ebola virus, Zika virus and Lassa fever. Photo credit: Mérieux Foundation.





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Thank you!

Shannon O'Reilly s.oreilly@digital-science.com

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Background on Dimensions data

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Publication indicators in Dimensions

Publication citations

The publication citations value is the number of times that a publication has been cited by other publications in the database.

Recent citations

The recent citations value is the number of citations that were received in the last two years. It is currently reset at the beginning of each calendar year.

Altmetric Attention Score

The Altmetric Attention Score is a weighted count of all of the online attention Altmetric have found for an individual research output. This includes mentions in the mainstream news, social networks, Wikipedia, blogs and more.

Field Citation Ratio (FCR)

The Field Citation Ratio (FCR) is an article-level metric that indicates the relative citation performance of an article, when compared to similarly-aged articles in its subject area. A value of more than 1.0 indicates higher than average citation, when defined by Field of Research Subject Code, publishing year and age. The FCR is calculated for all publications in Dimensions which are at least 2 years old and were published in 2000 or later.

Relative Citation Ratio (RCR)

The Relative Citation Ratio (RCR), developed by the National Institutes of Health (US), indicates the relative citation performance of an article when comparing its citation rate to that of other articles in its area of research. A value of more than 1.0 shows a citation rate above average. The article's area of research is defined by the articles that have been cited alongside it. The RCR is calculated for all **PubMed publications** which are at least 2 years old.



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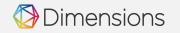
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ABOUT DIMENSIONS	Natural Sciences and Engineering Research Council (NSERC)	grid.452912.9	Canada
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> PUBLICATION YEAR	Title, Year, Publishing organization			
\checkmark PUBLISHING ORGANIZATION	تقرير اللجنة الاستشارية الاقليمية - الاجتماع الخامس و الثلاثون			
O Government of the United Kingdom 148,743	2011, World Health Organization			
O World Health Organization 146,157	Times to key events in Zika virus infection and implications for blood donation: a systematic review 2016, World Health Organization			
O United States Department of Transpo 57,207				
O Environmental Protection Agency 54,287				
O National Bureau of Economic Researc 48,391	Weekly Epidemiological Record, 1931, vol. 06, 18 [full issue] 1931, World Health Organization			
O World Bank 41,450				
Federal Energy Regulatory Commission 39,215	Intensification du Programme elargi de vaccination pour atteindre les cibles mondiales et regionales 2011, World Health Organization			
O Scottish Government 38,472				
Centers for Disease Control and Prev 35,864				
O United States Department of Comme 31,296	EPIDEMIC ENCEPHALITIS IN JAPAN = ENCÉPHALITE ÉPIDÉMIQUE AU JAPON			
Amnesty International 31,027	1929, World Health Organization			

