

SIR World Report 2010 :: Global Ranking

Report Number: 2010-002

Introduction

We are presenting here the Second Edition of SIR World Reports, aiming at serving as a major analysis and evaluation resource for Research Institutions across the world. The report shows quantitative data related to citation and publication in the period 2004-2008 for worldwide research-devoted institutions with at least 100 scientific documents published during 2008, as collected by worldwide leader scientific database Scopus.

The report embraces universities and other research-focused organizations from different sizes, having different missions and belonging to countries from the five continents. The institutions are grouped into five Institutional Sectors: Higher Education, Health System, Government Agencies, Corporations and Others.

The actual four indicators showed throughout the report have been selected to offer relevant information to policymakers, research managers and researchers as well as media and public interested in finding out about research performance of worldwide Institutions. They aim at highlighting the main dimensions of research activity.

To elaborate this report, we carried out the challenging task of identifying and disambiguating all the institutions through an overwhelming number of scientific articles, reviews and conference papers contained in Scopus. The task, which is carried out by a mix of computer and human means, comprises the identification and gathering of institution's affiliation variants under a unique identifiable form as well as the classification into institutional sectors.

SIR World Reports 2010 is the most exhaustive and comprehensive ranking of Worldwide Research Institutions. The ranking includes 2,833 institutions that together are responsible for 80.55% of worldwide scientific output during the term 2004-08 as indexed in Scopus database.

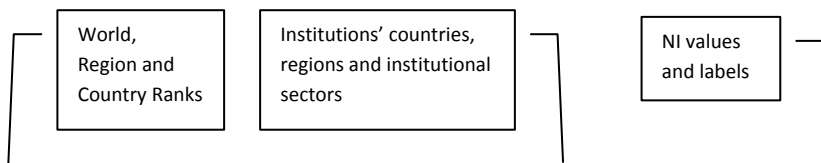
New Features

This year, SIR World Report 2010 brings a number of new features that will help offer a wider vision of research activity at worldwide research institutions; these include subject rankings, research excellence labels, and regional and national ranks.

From this edition on and in addition to this Global Ranking, SIR World Reports will include four additional subject rankings each covering a major scientific area, grouped together in Health Sciences, Life Sciences, Physical Sciences and Social Sciences & Humanities.

This year's edition presents more informative tables. Besides institutions' countries, regions and institutional sectors the tables show ranks on the regional and national contexts. In addition, institutions are now labeled according to its Research Excellence into one of three categories on the basis of their corresponding value of Normalized Impact (See Normalized Impact description on the right side of this document):

- Green label NI value higher than 1.75
- Yellow label NI between 1 and 1.75
- Red label NI values lower than 1



WR	RR	CR	Institution	Country	Region	Sector	Output	IC(%)	Q1(%)	NI
1	1	1	Chinese Academy of Sciences	CHN	AS	GO	130.267	20,94	38,59	0,91
2	1	1	Centre National de la Recherche Scientifique	FRA	WE	GO	125.481	48,20	59,51	1,33
3	1	1	Russian Academy of Sciences	RUS	EE	GO	87.838	35,06	23,98	0,53
4	1	1	Harvard University	USA	NA	HE	60.022	33,73	78,07	2,42

Indicators

Selected indicators seek to reveal main aspects of research size, performance, impact and internationalization at Worldwide Research Institutions.

O::Output

An institution's publication output reveals its scientific outcomes in terms of published documents in scholarly journals.

IC::International Collaboration

This value shows the institution's output ratio that has been produced in collaboration with foreign institutions. The values are computed by analyzing the institution's output whose affiliation includes more than one country address over the whole period.

NI::Normalized Impact

This indicator reveals the ratio between the average scientific impact of an institution and the world average impact of publications of the same time period and subject area. The values are expressed in percentages and show the relationship of the institution's average impact to the world average, which is 1, - i.e. a score of 0.8 means the institution is cited 20% below average and 1.3 means the institution is cited 30% above average. More on this indicator at:

<http://www.scimagoir.com/methodology.php?page=indicators>

Q1::High Quality Publications

Ratio of publications that an institution publishes in the most influential scholarly journals of the world. Journals considered for this indicator are those ranked in the first quartile (25%) in their categories as ordered by SCImago Journal Rank SJR indicator.

More on SJR indicator at:

<http://www.scimagoir.com>

