WHO workshop on monitoring health R&D financial flows

Assessment of R&D for health capacities in Latin America:
A joint project between RICYT-PAHO/WHO

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RICYT
Science, Technology and Innovation Indicators in Ibero-America

• The Network of Science and Technology Indicators –Ibero-American and Inter-American (RICYT) was created in 1995 as a collective undertaking intended to stimulate and facilitate the production of indicators for the diagnosis and administration of science and technology in the region.

– RICYT objective:
  • To promote the development of instruments for measuring and analyzing science and technology in Ibero America, in a framework of international cooperation, in order to achieve a better knowledge of them and its best utilization as instruments for the decision-making process.

– RICYT members:
  • The national agencies for science and technology of all the American countries, as well as those of Spain and Portugal, participate in the RICYT. Today, 28 of them provide indicators to the network.
  • Universities, national institutes for statistics and NGOs related to science and technology indicators all over the world, also participate in the network.
  • RICYT is linked to several international organizations. Today, its main support is the Ibero-American States Organization (OEI), it has a collaboration agreement with UIS-UNESCO; it established partnerships with PAHO, Scienti and others; it has been funded by OEI, OAS, IADB and others; it takes part as observer at OECD NESTI Group.
Work areas

Production and diffusion of information

• Since 1996 there has been an annual data-collection of indicators of all countries in Latin America, the Caribbean, North America and the Iberian Peninsula.

• RICYT now produces 48 comparative indicators, based on information produced by 28 Ibero-American and Caribbean countries. For some indicators, series are available that take in 1990 to 2010.

• RICYT produces bibliometric indicators for main databases of bibliographic data.

• The results of this data collection make up the RICYT Database and are the basic input for the web page and the annual “The State of Science” report.

Methodological agreements

• Adapt international indicator norms to regional conditions. RICYT distributed OECD methodology manuals around Latin America in order to promote international comparisons. At the same time, it promoted certain adjustments in order to adapt them to fixed features that characterize the region.

• Organize spaces where the necessary indicators can be discussed. The discussion included the development of methodologies suited to regional reality, without losing the possibility of international comparison. This led to the publication of regional manuals (Bogotá, Lisbon, Santiago).

Consolidating skills

• Internships, Training seminars and Technical assistance.

Developing new indicators

• Information society indicators, Public perception of science indicators, Science and technology social impact indicators, Internationalization of science indicators
PRAIS

A platform composed of a series of internet based tools that will support and promote innovation, access, rational use and good governance in the area of health technologies with a public health perspective and to serve Regional health priorities.

- Funded by US FDA, MOH BRA and EU/TDR
RDI capacities: Pilot project RICYT-PAHO

• A joint effort of RICYT and PAHO to assess different aspects of R&DI for health in Latin America.
• The project was framed under the GSPoA and involved the development of indicators for the monitoring and evaluation of Innovation for Health systems in the Americas.
• Argentina, Brazil, and Colombia took part of the pilot phase that aimed at adjusting the methodology before extending the scope to a greater number of countries.
• Main challenge:
  – operational definition of "area of health"
  – Exclusion/inclusion criteria for budget/funds
  – Private funding hard to quantify
  – Information on critical RD&I parameters such as linkages hard to define/systematize
The framework included 8 components:

- Inputs of R&D
  - Expenditure
  - Human Resources
- Products of R&D
  - Patent
  - Publications
- Human Resources
  - “licenciatura” graduates
  - Master
  - PhD's
RDI capacities: Pilot project RICYT-PAHO

– Linkages and knowledge transfer
  • Networks
  • Journals
  • Open access
– Market incentives:
  • Pull mechanisms
  • Push mechanisms
– Governance and Normative Framework
– Access
Gasto en I+D total y publicaciones SCI en salud

(Brasil - Base 2000=100)
Red de colaboración internacional
(Argentina, 2000-2008)

Intensidad de enlaces \( \geq 255 \) copublicaciones
Red de colaboración internacional (Brasil, 2000-2008)

Intensidad de enlaces ≥ 556 copublicaciones
Red de disciplinas
(Brasil 2008)
Thank you

www.ricyt.org
www.paho.org/prais