research4life

Developing World Access to
Research for Life

A Public-Private Partnership for Development

- 4 United Nations agencies

- 130 commercial and not-for-profit publishers

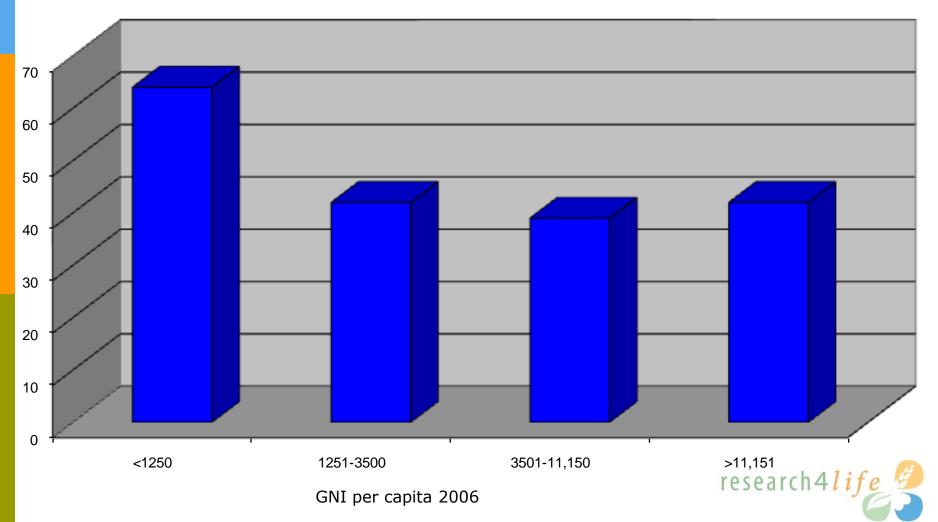- University and technology partners

- *United with one common purpose…*

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Delivering access to 7000 of the world's leading primary research and review journals

Developing World Economic Reality

Number of countries

GNI per capita 2006

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Developing World Why do we need to improve access to information ?

SCIENTIFIC AND KNOWLEDGE GAP

□ **Researchers (Source : UNESCO)**

Africa	71,038 researchers
Canada	80,000 researchers
USA	962,700 researchers
Asia	4,483, 881 researchers

GNI per capita 2006

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Developing World Why do we need to improve access to information ?

☐ **Serial Title (ISSN Records)**

Africa	7,094
Latin America	27,842
USA	161,031

☐ **National Library Collections (Indicators of national Information wealth; Source : Unesco)**

Europe	300 Million
Africa	3 Million
Asia	46 Million

GNI per capita 2006

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Cost of Internet: 20 hrs - %GNI pc

- Central African Republic : $147.80 – 572.13%
- Solomon Islands : $101.65 – 217.81%
- Niger : $101.82 – 581.83%
- Uganda : $99.59 – 478.03%
- Tanzania : $93.60 – 351%
- Dem Rep of Congo : $93.24 – 1,017.21%
- Burkina Faso : $90.56 – 310.48%
- Chad : $86.35 – 414.47%
- Kenya: $75.93 – 189.83%

- Switzerland : $7.95 – 0.19%

Research4Life - Background

Study conducted by UN in 2003:

- 75 Countries with a GNI less than US$1,000, 56 % of medical institutions had no subscriptions over the previous 5 years.

- Countries with GNI between US$1,000 - US$3,000, 34 % had an average of two subscriptions per year.

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Research4Life: Closing the Information Gap

- WHO and Yale University– HINARI in 2001
- FAO and Cornell University - AGORA in 2003
- UNEP and Yale University– OARE in 2006
- WIPO - ARDI in 2009

- Now a partnership with 130 commercial and non-profit publishers and technology partners
- Commitment beyond 2015.

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Closing the Digital Divide

Providing

- Millions of researchers, scientists, students, clinicians, practitioners and policy makers
- Over 8000 universities, hospitals, research institutes and government ministries
- 109 countries with a GNI under $3500

With free or low cost access to

- Over 7000 journals, e-books, textbooks and databases
- Training in research literacy and IT skills
- The world's research in medicine, agriculture, environment, and technology and innovation.

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Eligibility for Access

Band 1

- Publicly funded and not-for-profit institutions in countries with per capita GNI of less than $1250
- Free access to journals
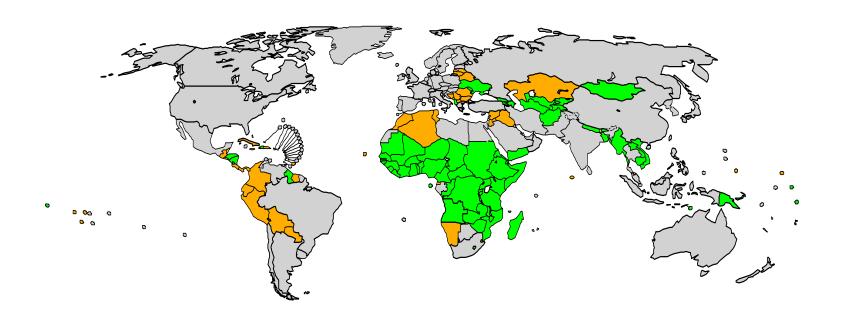
Band 2

- Countries with per capital GNI of $1251 to $3500
- Access to journals costs $1000 per year per institution
- Income invested in local training initiatives

Total 109 countries

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Map of eligibility

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HINARI

- World Health Organization, Yale University
- Lunched in January 2002
- 4489 public institutions now registered for access
- 5300 journals offered
- Medicine, nursing, and related health and social sciences, including journals in library science and multiple languages
- Special version of Medline
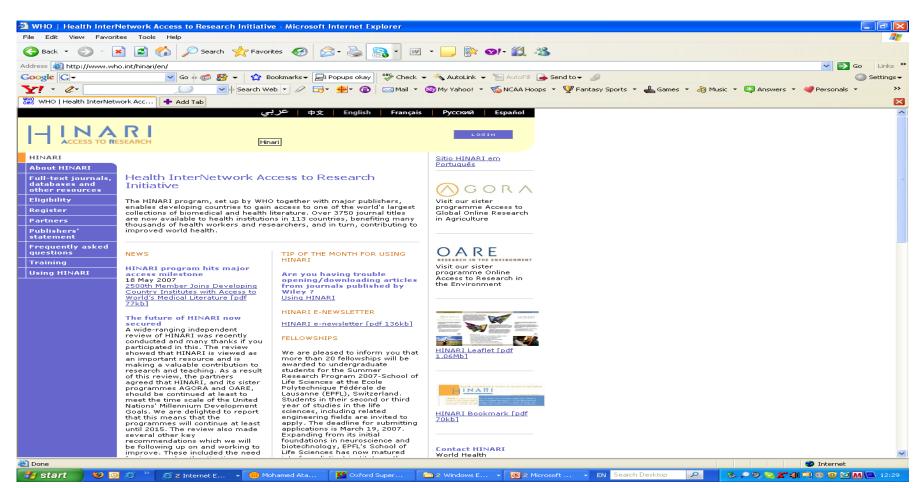- Used in 109 developing countries

www.who.int/hinari

HINARI

AGORA

- Food and Agriculture Organization, Cornell University
- Launched in 2003
- 2231 public institutions now registered for access
- 1900 journals offered
- Agriculture, fisheries, food, nutrition, veterinary science, and related subjects
- Special version of CAB Abstracts

  www.aginternetwork.org

AGORA

OARE

- United Nations Environment Programme, Yale University
- Launched in 2006
- 2023 registrations so far
- Includes over 3000 scientific journals
- Disciplines contributing environmental sciences

www.oaresciences.org

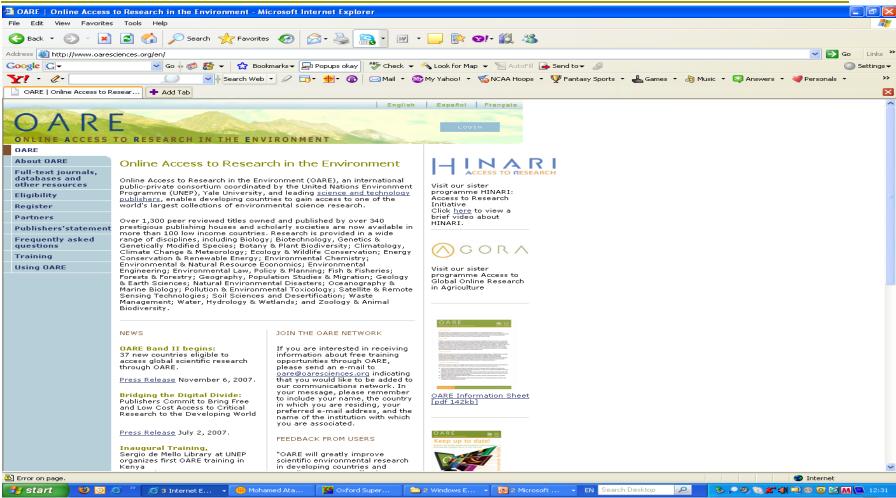# OARE

ARDI
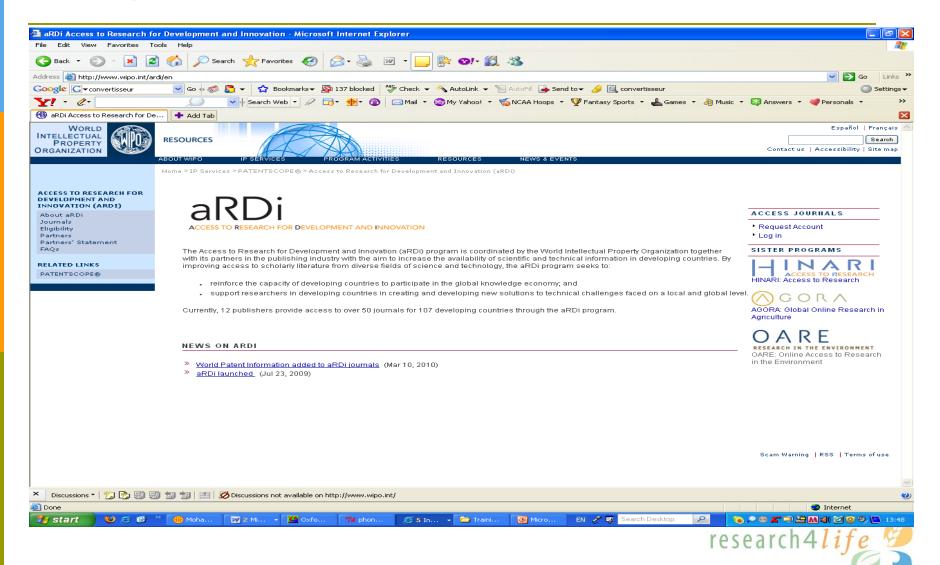
Research4Life – programs

HINARI: www.who.int/hinari
- 5300 journals
- 4489 institutions registered for access

AGORA: www.aginternetwork.org
- 1900 journals
- 2231 institutions registered for access

OARE: www.oaresciences.org
- 3400 journals
- 2023 institutions registered for access

ARDI: www.wipo.int/ardi
- 50 journals

Training and Outreach

- ☐ Essential to the success of the programs
- ☐ Funded by Band 2 income
- ☐ Includes:
  - ■ National workshops in Asia, Latin America, Europe and Africa - Train the trainer approach
  - ■ Online, email and CD-ROM training modules available
  - ■ Posters and leaflets in 5 languages
  - ■ Courses include presentations, lectures, group discussions, product demos and hands-on practice, plus handouts
- ☐ Aimed at information specialists, librarians, scientists, researchers and students
- ☐ African training undertaken by ITOCA (Information Training and Outreach Centre for Africa) At least, 5 regional TOT workshops/year

  - ■ 2009: Yemen, Jordan, Kenya, Nigeria, Ghana, Ethiopia, Malawi, Tanzania
  - ■ 2010: Morocco, Tunisia, Syria, Rwanda, Zambia, DR Congo

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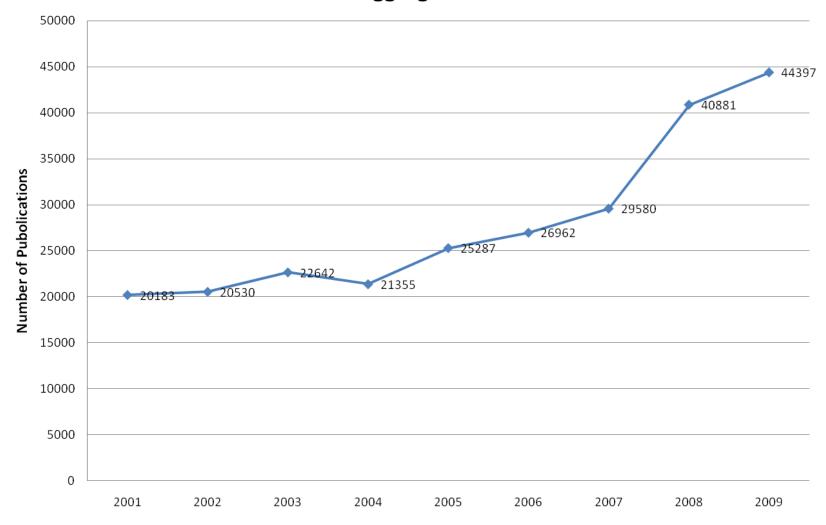
Training Workshop – Mozambique, 2006

Training Workshop – Juba, Sudan, May 2008
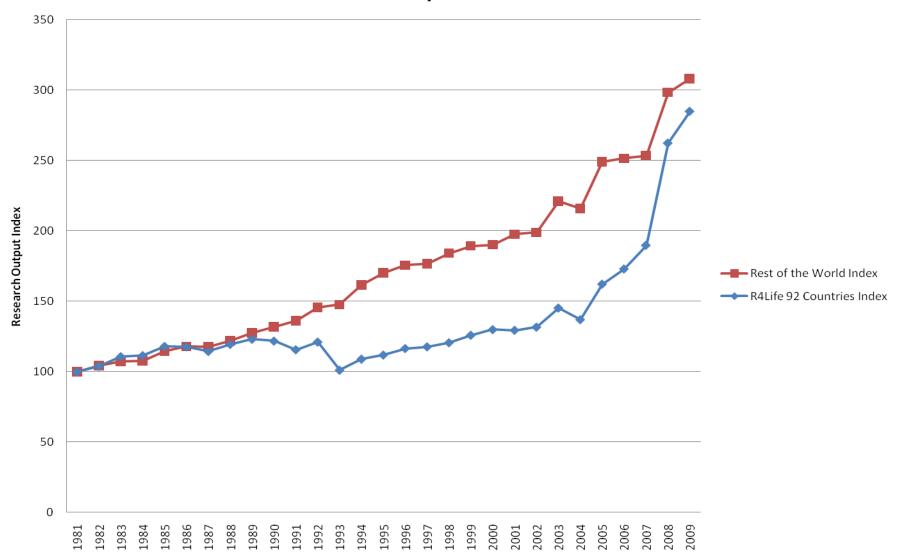
Number of Publications aggregated for 92 R4life countries

Chart showing Number of Publications (y-axis) by year (x-axis):
- 2001: 20183
- 2002: 20530
- 2003: 22642
- 2004: 21355
- 2005: 25287
- 2006: 26962
- 2007: 29580
- 2008: 40881
- 2009: 44397

*Data not available for 16 countries, areas, territories: Comoros, Djibouti, Equatorial Guinea, Kiribati, Sao Tome & Principe, Timor-Leste, Tokelau, Tuvalu, West Bank & Gaza Strip, Cape Verde, Kosovo, Maldives, Marshall Islands, Micronesia, St. Vincent & the Grenadines, Tonga

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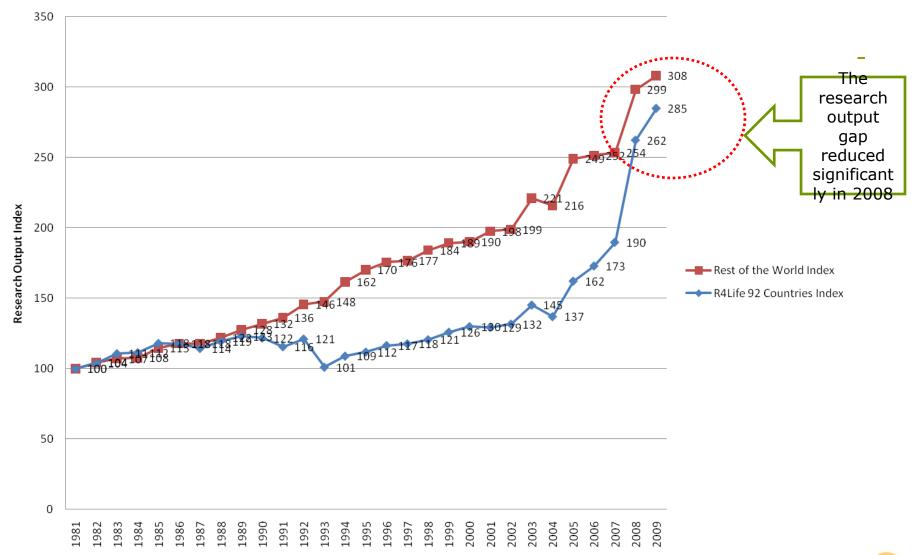
Research Output Index
92 R4Life Countries compared to 99 Other Countries

Research Output Index
92 R4Life Countries compared to 99 Other Countries

The research output gap reduced significantly in 2008

Rest of the World Index
R4Life 92 Countries Index

Challenges

- Training in IT and information literacy skills – information professionals and scientists
- Building a culture of research and evidence-based policy making
- Infrastructure building – computers, bandwidth, electricity
- Political will – support for capacity building and provision of appropriate funds
- More local content
- Understanding long term impact of the programs

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Long term vision for programs

- Better research
- Updated curriculum
- Research-based policy decisions
- Connections to international scientific community
- Reduced "publishing gap" & improved locally-produced journals
- ULTIMATELY--Improved food security, environment and health

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Summary

- Research4Life is a highly successful public-private partnership for development
  - UN agencies working in unison
  - 8743 institutions with access (As per June 2010)
  - Over 8000 journals available
  - Usage increasing every year
- All stakeholders committed to support the programs beyond 2015
  - Core to the MDGs – *education, health, food, environment, and technology and innovation*
- Ongoing plan to address the challenges and ensure a long term legacy of research in developing countries

Feed Back from institutions

"My access to OARE when I did my PhD programme did not only enable me as a person achieve my target but also to improve the quality of life among the Ogiek people in Mauche and Newsiit where diarrhoea and coughs, among other preventable ailments, have been ravaging lives of children and many adults in a vicious disease circle."

Wilkista Nyaora Moturi, Head of Environment Studies Department at the Egerton University

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Feed Back from institutions

"There is a huge inequality in the developing world regarding access to health information and HINARI levels the playing field. But still there has been little culture of using HINARI as a resource for research, so training and experience is needed. HINARI has to be around for a long while before the results will really be seen in terms of a culture of learning"

School of Tropical Medicine, Ho Chi Minh City, Vietnam

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Feed Back from institutions

"As a young researcher in Navrongo in northern Ghana, HINARI made such a profound impact in enhancing my work, and I have always said a silent THANK YOU to whoever conceived the idea and saw it through.

You have touched the career (and contribution to Public Health) of many such as myself - Unknown and a long distance away!!"

Frank E. Baiden, Ghana

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Feed Back from institutions

"It overcomes a major problem in accessing research publications and gives entirely new possibilities."

Mekong River Commission, Lao PDR

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Feed Back from institutions

"A few years ago we carried out an experiment for surgical operations of some livestock animals and as we thought it was excellent research, we wrote a manuscript on the findings for publication in a journal. However, after a review of the manuscript it came back with the comment that the drug which we used as anaesthesia for the animals had been banned about 5 years earlier. Had we had access to up-to-date published literature through such resources like AGORA this would not have happened."

Prof. Shehu U. Abdulahi, Vice-Chancellor, Ahmadu Bello University, Zaria, Nigeria

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Thank You

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Looking for More Information?

www.research4life.org

HINARI

- www.who.int/hinari
- hinari@who.int

AGORA

- www.aginternetwork.org
- agora@fao.org

OARE

- www.oaresciences.org
- oare@oaresciences.org

ARDI

- www.wipo.int/ardi

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