

The global collaboration of science academies for sustainable development

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EASAC Executive Director

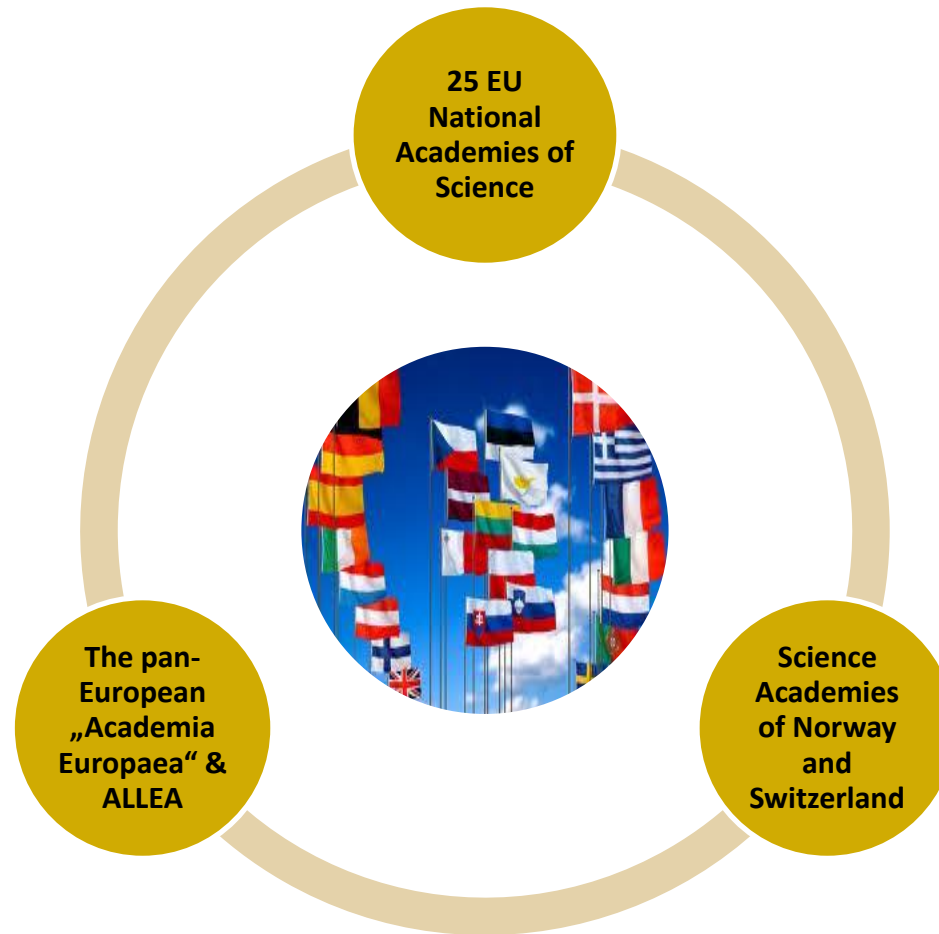
*17th Session of the UN Commission on Science and Technology for
Development, Palais des Nations 12-16 May 2014, Geneva*

EASAC: the European Academies' Science Advisory Council

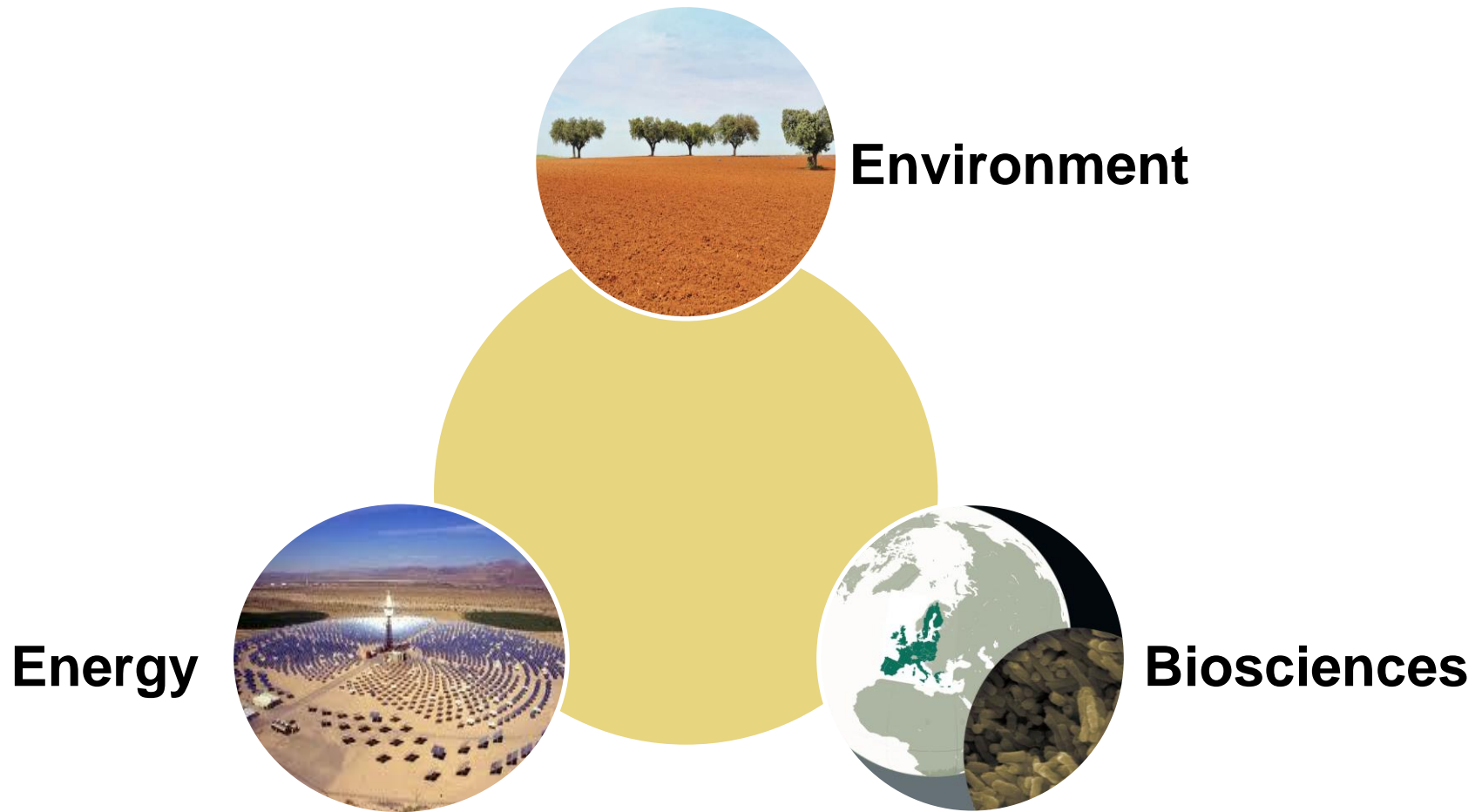


www.easac.eu

EASAC membership



The EASAC programmes



Some recent EASAC reports



Using crop genetic improvement technologies for sustainable agriculture

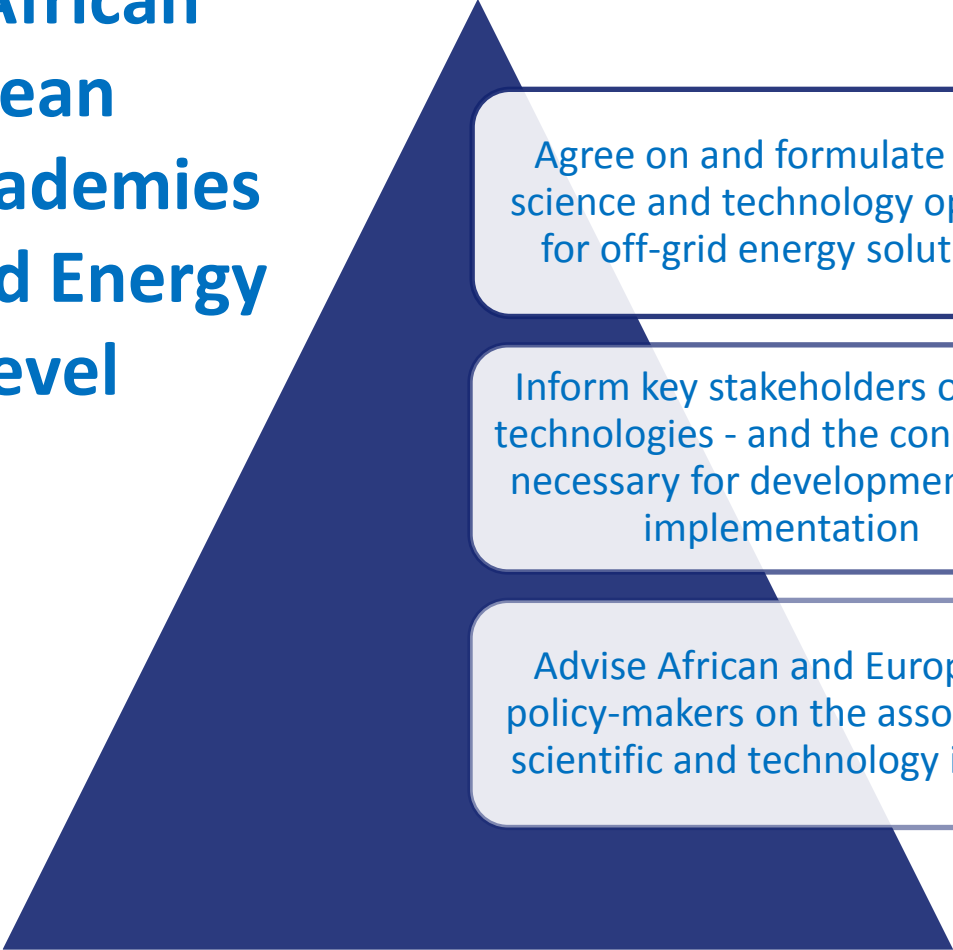


The current status of biofuels: their environmental impacts and future prospects



Concentrating solar power: its potential contribution to a sustainable energy future

Current collaboration between African and European science academies on Off-Grid Energy ("Village-level Energy")



Agree on and formulate best science and technology options for off-grid energy solutions

Inform key stakeholders on the technologies - and the conditions necessary for development and implementation

Advise African and European policy-makers on the associated scientific and technology issues

The scale of the energy challenge

3 billion people use traditional fuels for household energy

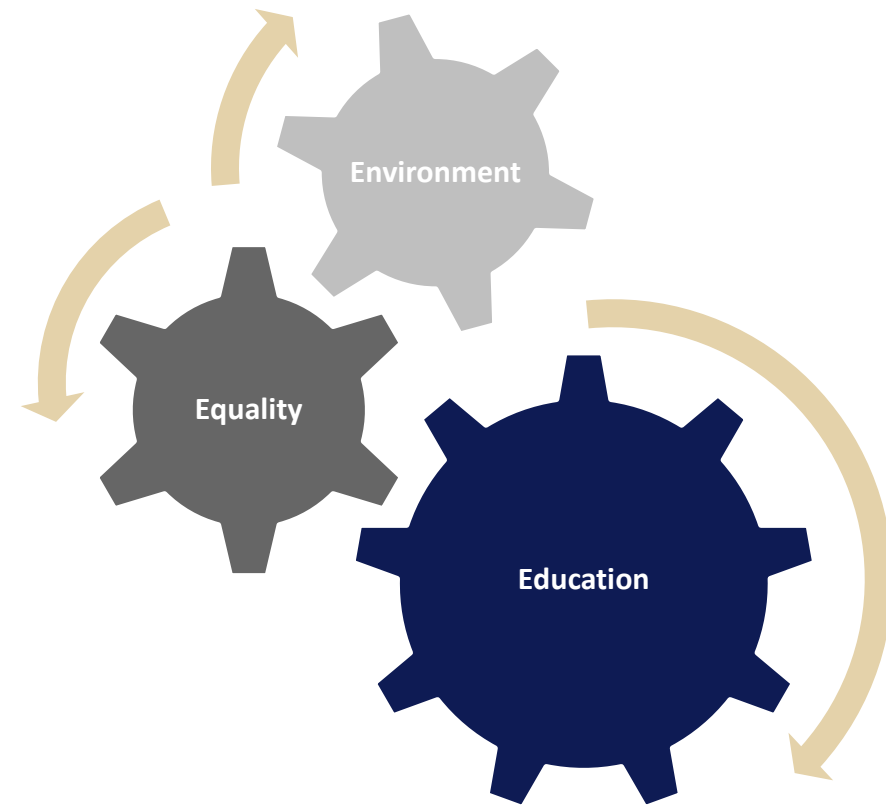
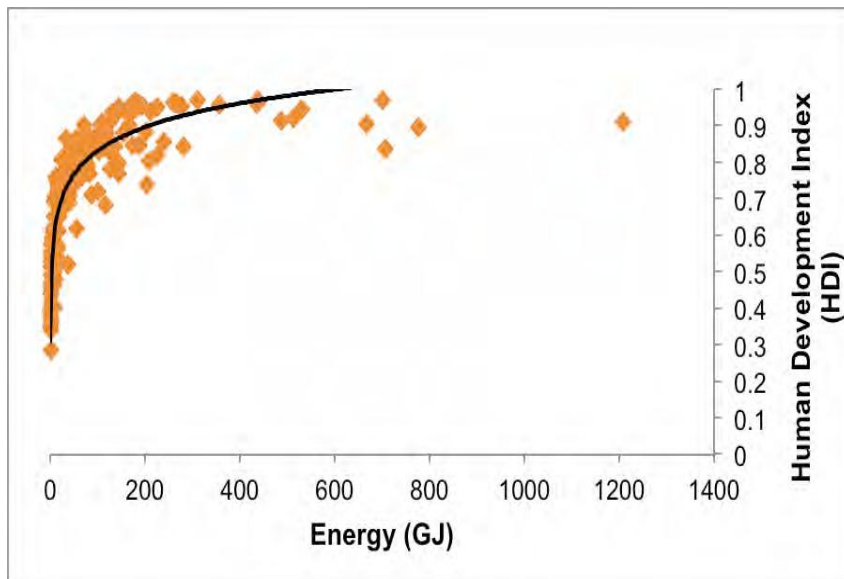
1.5 million die per year from the indoor air pollution created by traditional fuels

1.3 – 1.6 billion people are without electricity, with the large majority living in rural communities

Oil prices in real terms are 5 x what they were when OECD countries were at a similar stage of development

Relating energy to other key factors

Relationship of per capita energy consumption with human development index



Candidate energy technologies for off-grid villages



EASAC as part of the global network of science academies

Asia



Europe

America

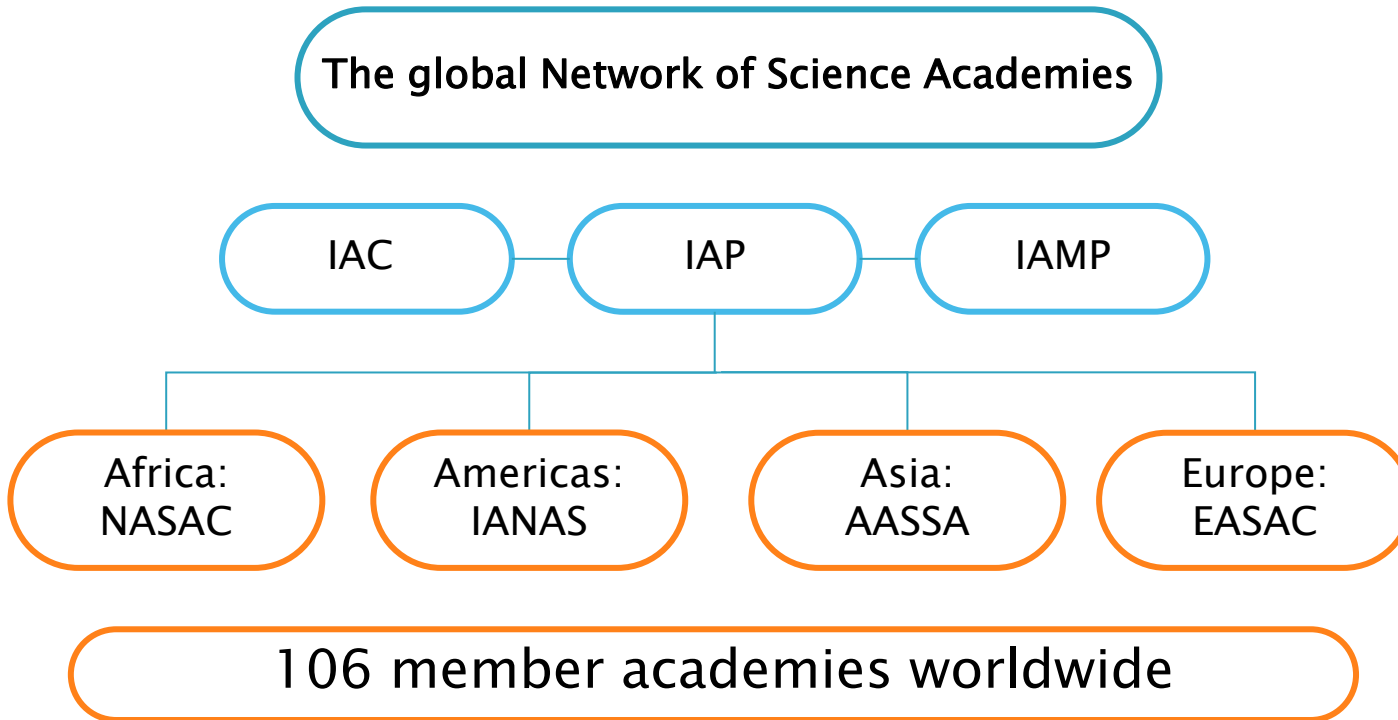
Africa

**IAP –
InterAcademy Panel
The Global Network of
Science Academies**

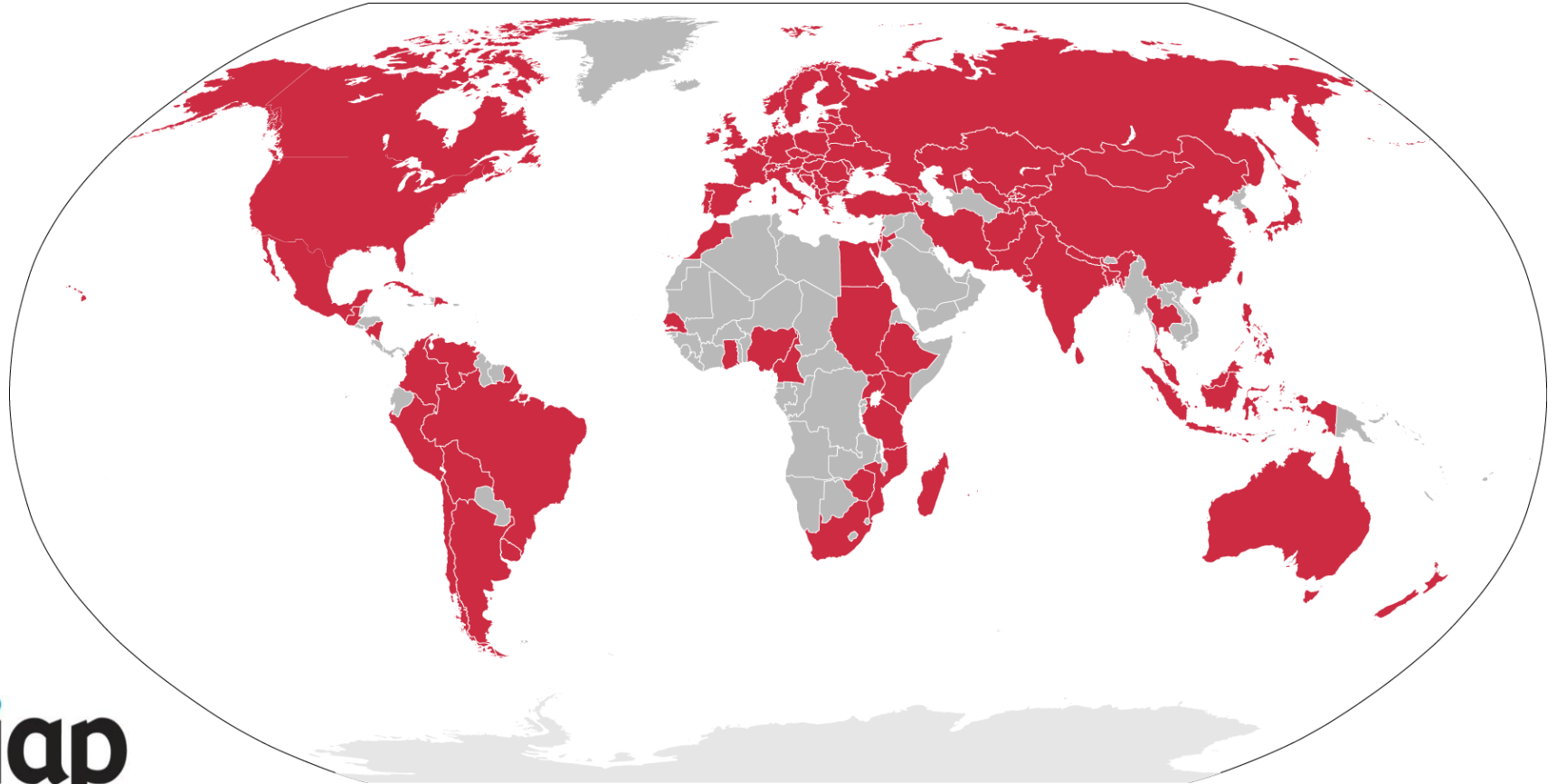


the global network of science academies

IAP Structure



IAP Membership



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IAP Mission Statement

As an independent international forum bringing together the world's academies of sciences, IAP will serve as a platform for member academies to **develop mutual collaboration, common positions and actions on global and regional issues of importance to the future of humankind.**

IAP will also support member academies to **enhance their independent advisory capacities**, help efforts to **establish new merit-based academies** in places where none exist, and **facilitate the engagement of young scientists in science-based development issues of global significance.**

adopted Feb. 2013



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IAP Objectives

- ▶ provision of high-quality, independent and evidence-based **policy advice** on global issues
- ▶ scientific advisory **capacity building**, science education, science communication
- ▶ closer **collaboration** among science academies and other scientific institutions

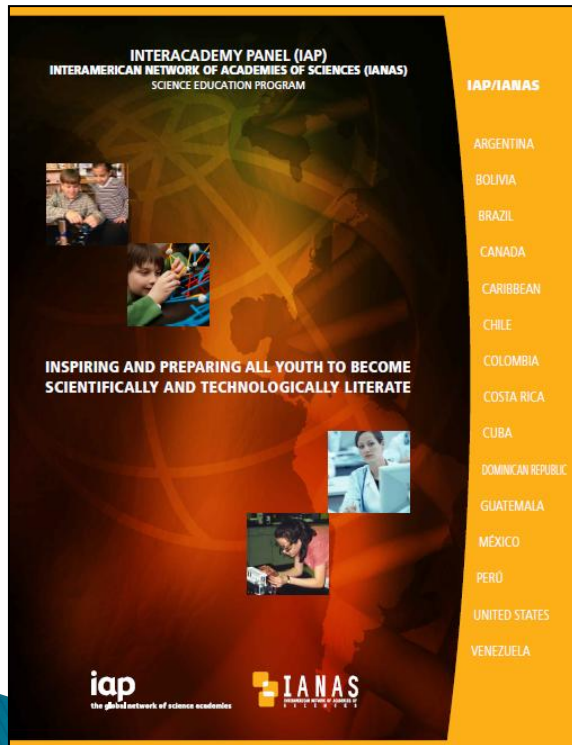
Strategic Plan III, adopted Feb. 2013



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Some recent projects

Global activities of the IAP Science Education Programme - Academia Chilena de Ciencias (& ALLEA, NASAC, IANAS)



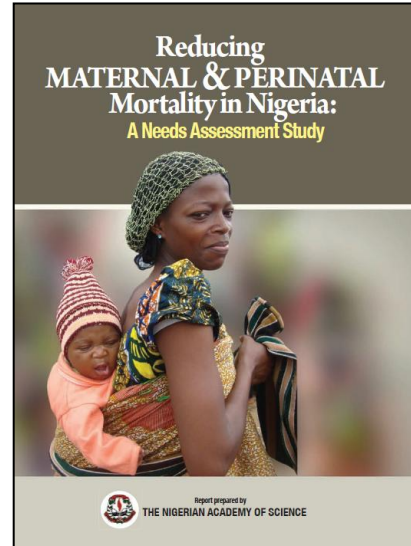
Primary Connections – linking science with literacy - Australian Academy of Science



GMOs in Africa: challenges and opportunities - Academy of Science of South Africa

Recent projects II

Enabling and enhancing the participation of women in S&T booklet with the biography of 16 women scientists of the Americas - IANAS



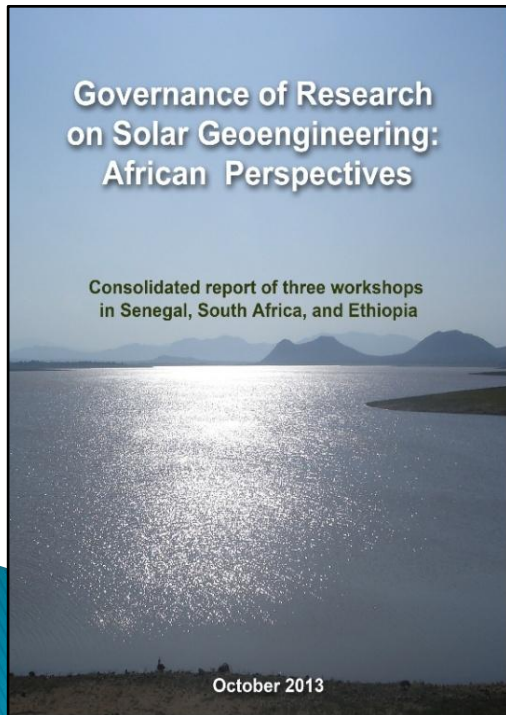
Pilot project Nigeria: Needs Assessment Study under IAMP programme to reduce maternal and perinatal mortality in developing countries - Nigerian Academy of Science



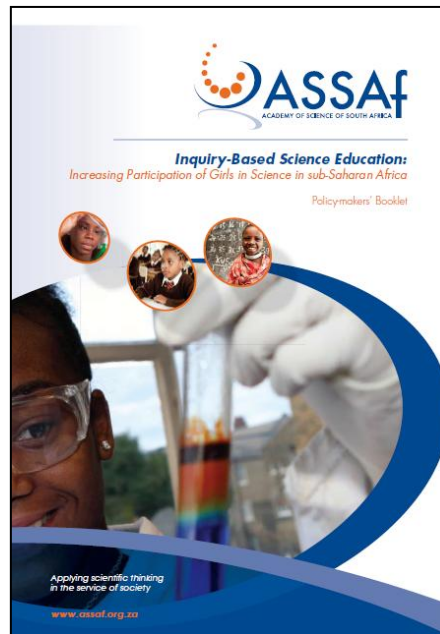
Strengthening academies in giving policy advice on genetic testing as an instrument for disease prevention: evaluation of policy issues for direct consumer access - EASAC

Recent projects III

Governance of Solar Radiation Management (SRM) Research: African Perspectives - African Academy of Sciences



Engendering Science Education: Inquiry-Based Science Education to benefit Girls - Academy of Science of South Africa



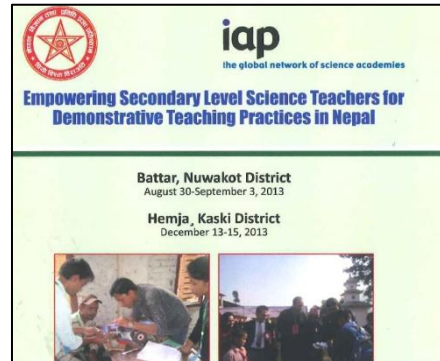
Science Communication: Sharing Expertise and Experiences - Korean Academy of Science and Technology



Non-communicable diseases - IAMP

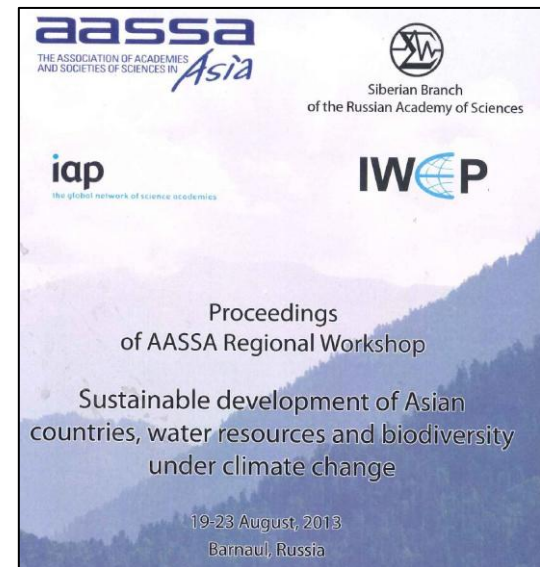
Recent meetings

IANAS Water Programme Meeting -
The National Academy of Science of Peru,
December 2013



Science Education through Communication
- Nepal Academy of Science and Technology,
December 2013

Sustainable development of Asian countries, water resources and biodiversity - AASSA in Barnaul/Russia, August 2013



Global Young Academy

- ▶ Founded in 2010, building on an IAP initiative
 - 200 fellows from 58 countries (and 63 alumni)
 - supporting establishment and cooperation of national Young Academies worldwide (currently 26 on all continents)
 - Early scientific careers
 - Science-society dialogue
 - Science education
 - Science and Technology for Development



Global Young Academy
The voice of young scientists around the world

You are here: Home

Who We Are

As the "voice of young scientists around the world," the Global Young Academy aims to empower and mobilize young scientists to address issues of particular importance to early career scientists. Current working groups focus on improving Early Scientific Careers, Science-Society Dialogue, Science-Education, and Interdisciplinary Research. Read more...

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Coming Up: GYA Annual General Meeting 2014

The Fourth International Conference for Young Scientists and GYA Annual General Meeting will take place at the Faculty of Physical and Mathematical Sciences of the Universidad de Chile in **Santiago de Chile, Chile, from 21 to 25 May 2014**. The theme of this year's Conference is **"Natural Resources in a Finite World"**.

A preliminary program can be downloaded as PDF. Please find more information on our [conference website](#).

Two GYA-members presented at United Nation's new Scientific Advisory Board

On 30 January GYA co-chair Rees Kassen and member Sherien El-Agroudy were part of a delegation of six young scientists invited to present at the inaugural meeting of the United Nation's new Scientific Advisory Board. The SAB is composed of 26 eminent scientists from around the world and many different disciplines.

The presentation by the young scientists emphasized the importance and value of public science, that is, science that provides ideas and innovation for the public good and increases public engagement in the scientific process. The delegation also encouraged the SAB to use the growing network of Young Academies, including the Global Young Academy, in their work.

The text of the young scientists' presentation is available publicly on the SAB website.

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