Krishan Lal
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Outline

- Organizational Structure

- Strategic Priorities and Present Status

- Developing partnerships with other organisations like ICSU, including with agencies of the UN system.

- Ongoing Programmes

2

The InterAcademy Partnership
brings together three
global academy networks:

the global network of science academies

InterAcademy Council

the interacademy medical panel

Founded in 1993;
Hosted by TWAS in Trieste, Italy

Founded in 2000;
Hosted by US NAS in Washington DC

Founded in 2000;
Hosted by TWAS in Trieste, Italy

March 2016: *IAP General Assembly, Hermanus, South Africa*

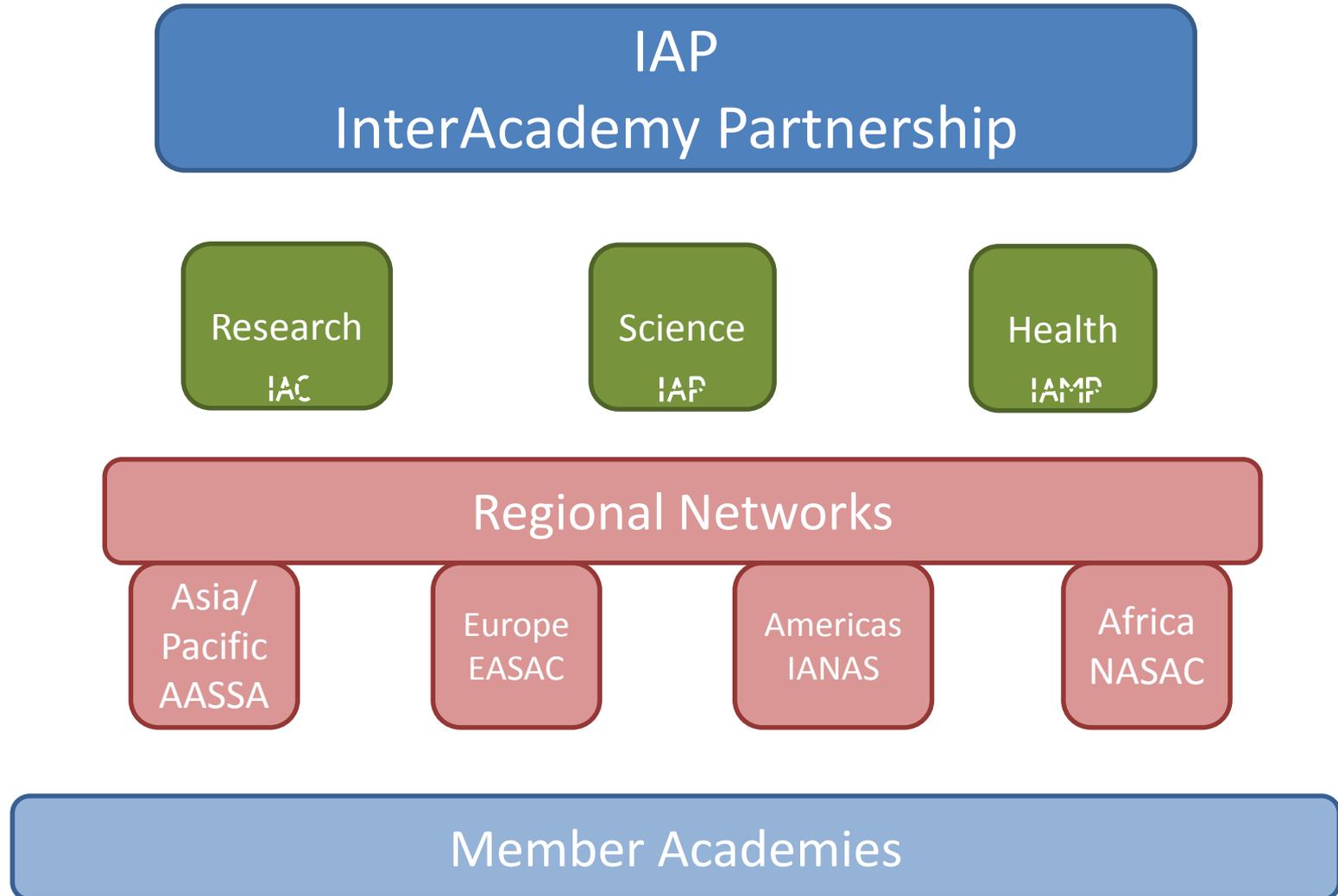• IAP, IAC and IAMP member academies voted to join forces under the umbrella of the **InterAcademy Partnership**.

- IAP - the global network of science academies

  ⇒ becomes **'IAP for Science'**

- The InterAcademy Council (IAC)
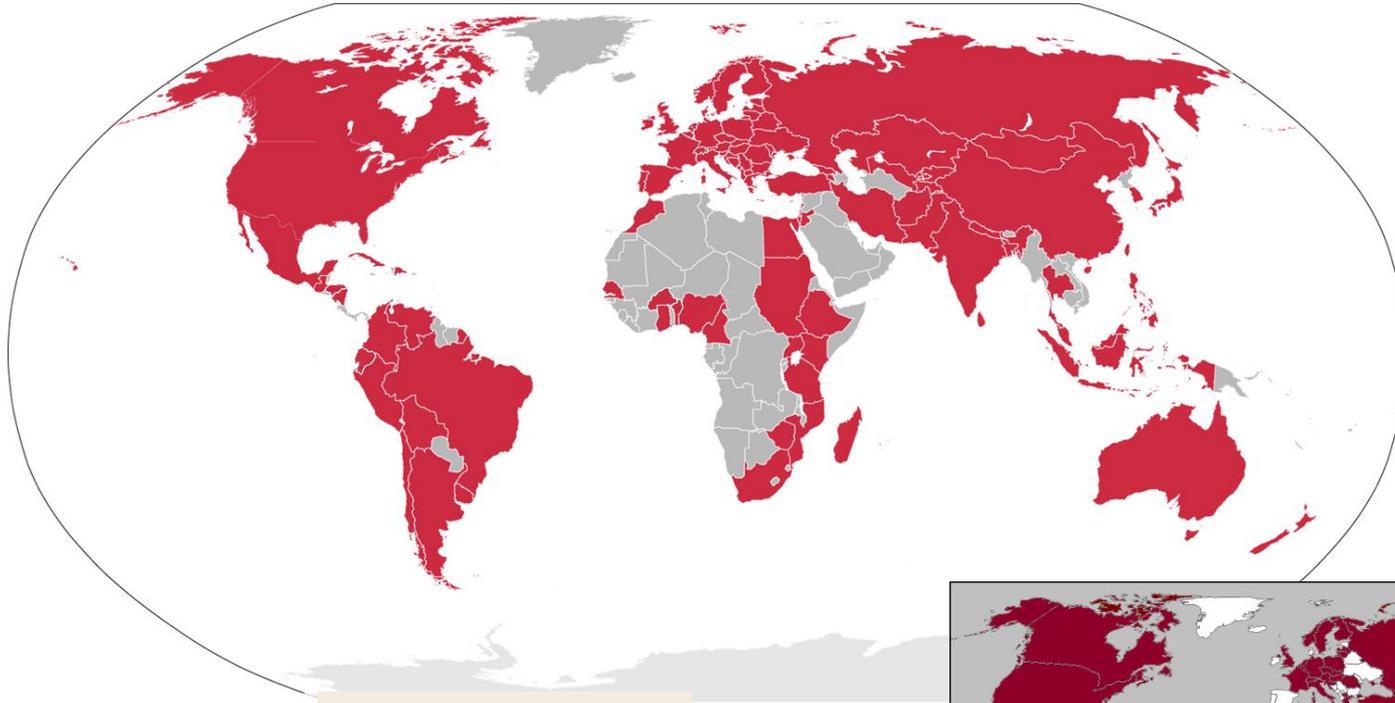
  ⇒ becomes **'IAP for Research'**

- The InterAcacdemy Medical Panel (IAMP)

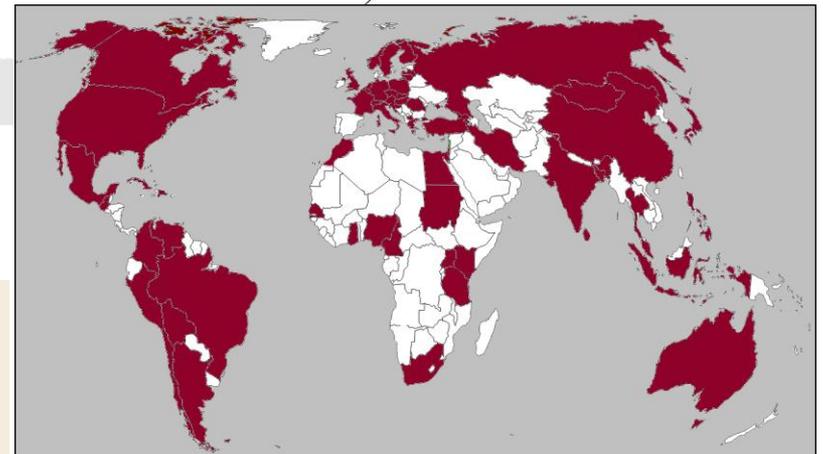 ⇒ becomes **'IAP for Health'**

Structure

Membership

More than 130 national, regional and global academies

IAP for Science

IAP for Health
78 members, of which
52 also belong to IAP for Science

Four Strategic Priorities

- Build a scientifically literate global society.

- Provide evidence-based advice and perspectives on global issues.

- Strengthen the global scientific enterprise.

- Strengthen the global network, including supporting the creation of new academies in countries where they are not yet present.

Strategic Priority 1: _Build a scientifically literate global society_

Science Education Programme (IAP SEP)

Promoting IBSE – inquiry-based science education – since 2003.

Since 2013, IAP SEP is also tackling science literacy.

Strategic Priority 2: *Provide evidence-based advice and perspectives on global issues.*

Statements

Subject selected by EC from member academy submissions and horizon scanning exercises.
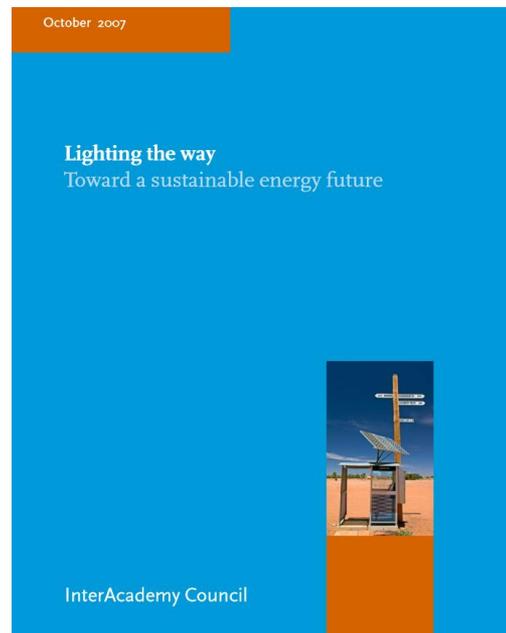
Must be endorsed by a majority of member academies.

- ***A Call for Action to Improve the Reproducibility of Biomedical Research*** *– September 2016.*

- ***A Call for Action to Strengthen Healthcare for Hearing Loss*** *– March 2015.*

- ***Realising Global Potential in Synthetic Biology: Scientific Opportunities and Good Governance*** *– May 2014.*

- *Joint IAP/IAMP Statement on **Antimicrobial Resistance: A Call for Action** – November 2013.*

Reports

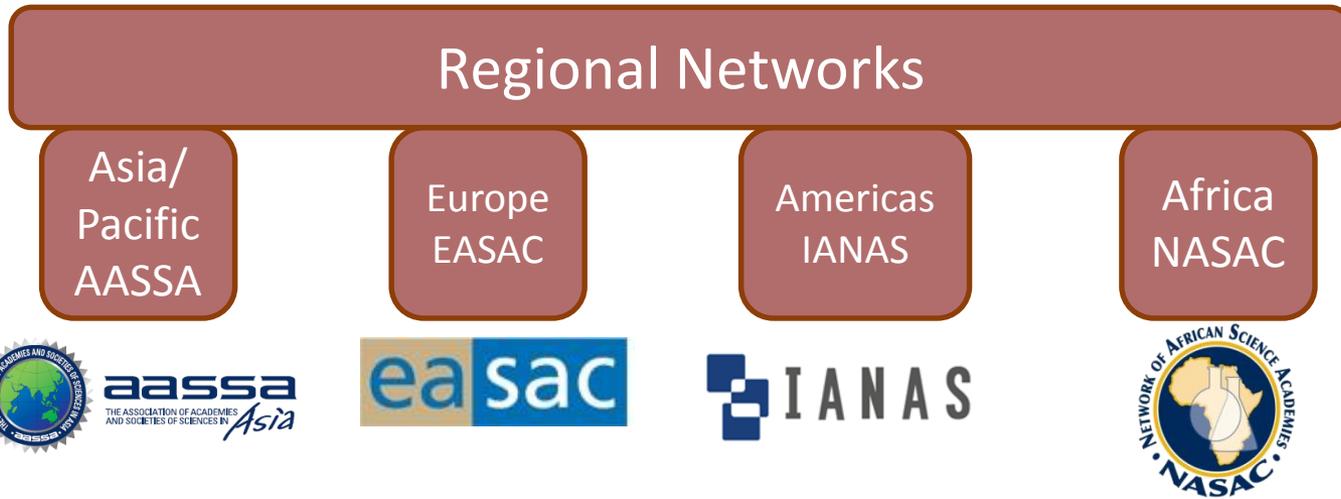*Typically commissioned by the UN or other international agencies.*

October 2010

Climate change assessments
Review of the processes and procedures of the IPCC

Committee to Review the Intergovernmental Panel on Climate Change

InterAcademy Council

October 2007

Lighting the way
Toward a sustainable energy future

InterAcademy Council
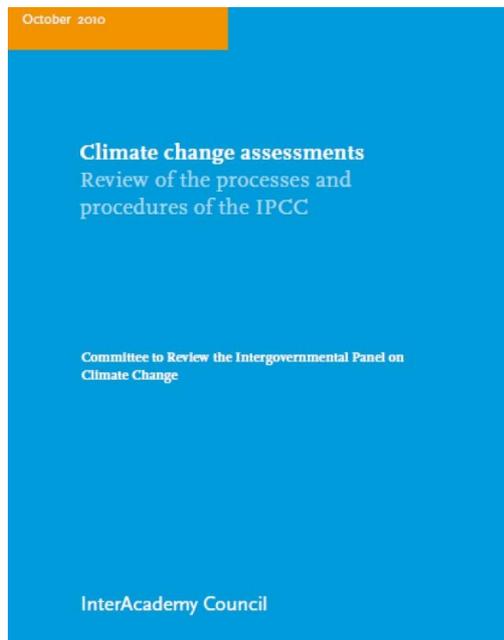
Ongoing:
Food and Nutrition Security and Agriculture
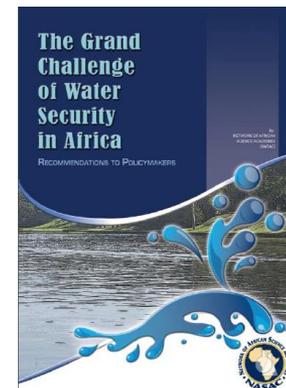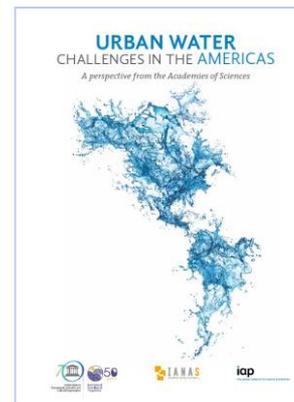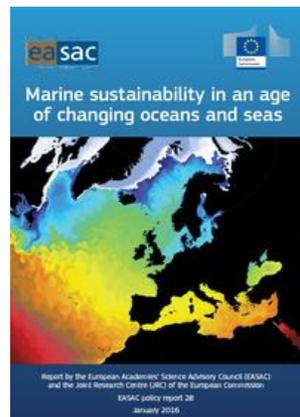4 regional reports to be followed by a global synthesis document

Extended, fully researched documents (usually more than 100 or 200 pages). Take time (2-3 years) to prepare.

Four Regional Networks

Regional Networks

| Asia/ Pacific AASSA | Europe EASAC | Americas IANAS | Africa NASAC |

Targeted science advice on regional policy issues

WOMEN in SCIENCE and TECHNOLOGY in ASIA

Marine sustainability in an age of changing oceans and seas

URBAN WATER CHALLENGES IN THE AMERICAS
A perspective from the Academies of Sciences

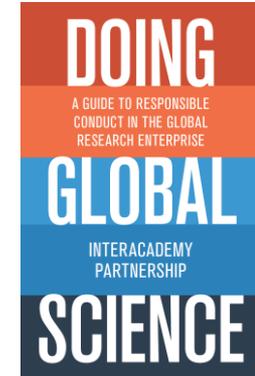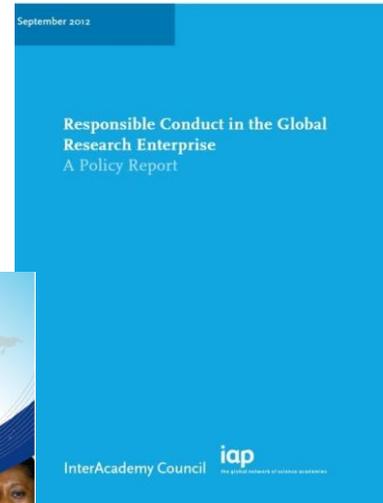The Grand Challenge of Water Security in Africa
RECOMMENDATIONS TO POLICYMAKERS

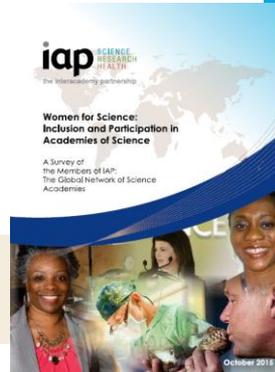# Strategic Priority 3: *Strengthen the global scientific enterprise.*

Programmes for:

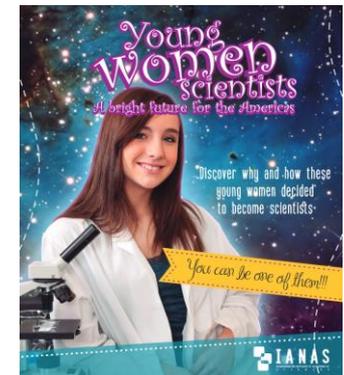- Responsible conduct of research

- Women in science

2016: Women for Science: Inclusion and Participation in Academies of Science

2016: Doing Global Science: A Guide to Responsible Conduct in the Global Research Enterprise

- Young scientists
  - including support for the GYA.

Strategic Priority 4: *Strengthen the global network, including supporting the creation of new academies in countries where they are not yet present.*

- Support for regional activities through AASSA, EASAC, IANAS and NASAC.

- New academies: IAP has assisted in the creation of some 20 new academies, most of them in Africa. Among the most recent are academies in Algeria, Botswana and Ecuador.

- IAP grant to NASAC permits capacity building for new/weak academies in Africa.

- IAP grants to other academies, e.g. Bangladesh, Nepal, Sudan, etc, for activities such as science literacy/outreach, science education, mentoring young scientists…

Other Priority: *Develop partnerships with other organisations, including with agencies of the UN system.*

IAP Conference on Science Advice reasserted recommendation to develop closer links with UN agencies

Presenting IAP SEP publication 'Working with Big Ideas of Science Education' to UNESCO DG, Irina Bokova. Kuala Lumpur, Malaysia, May 2015.

Other Priority: *__Develop partnerships with other organisations, including with agencies of the UN system.__*

Examples:

- Ongoing engagement with S&T Major Group of UNISDR, including input into drafting 2015 Sendai Framework of Disaster Risk Reduction and involvement in UNISDR science and technology roadmap.

- Ongoing engagement between IAP Biosecurity Working Group (11 academies represented) and Biological and Toxin Weapons Convention.

- New engagement (with TWAS) with Organisation for the Prohibition of Chemical Weapons.


IAP representatives from *Accademia dei Lincei*, Italy, the secretariat and INSA, India, at UNISDR meeting to develop S&T roadmap, Geneva, Jan 2016.

Jacqueline McGlade, UNEP, at IAP Conference on Science Advice, South Africa, Feb/March 2016

Ongoing projects

- Food and Nutrition Security and Agriculture.
- Harnessing SEM to address Africa's
- challenges.
- Improving scientific input to global policymaking.
- Training workshops and networking for Young Physician Leaders.
- Science education and science literacy.
- Promoting responsible research and biosecurity.
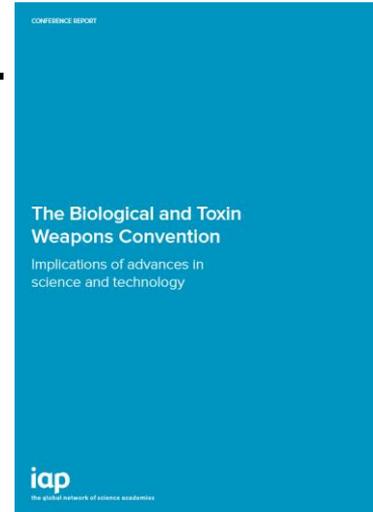
Policy for science – **Science International**

A series of meetings convened between four international science organizations:

- Focus on policy-for-science
- *First activity:* Release of an accord on
  - '*Open Data in a Big Data World*'
- Campaign: the accord has so far received more than 120 endorsements from academies, scientific unions, publishers, etc.
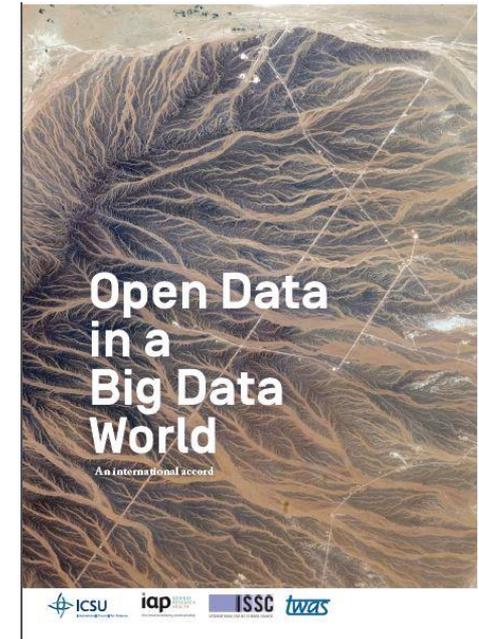
Acknowledgements

- Prof. Volker ter Meulen, Co-Chair, IAP for Science for many insights

- Dr. Peter McGrath, IAP Secretariat, for help in preparation of the presentation and logistic support

IAP SCIENCE RESEARCH HEALTH
the interacademy partnership

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Thank You

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