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**International Cooperation on
Science Education and Science Literacy**

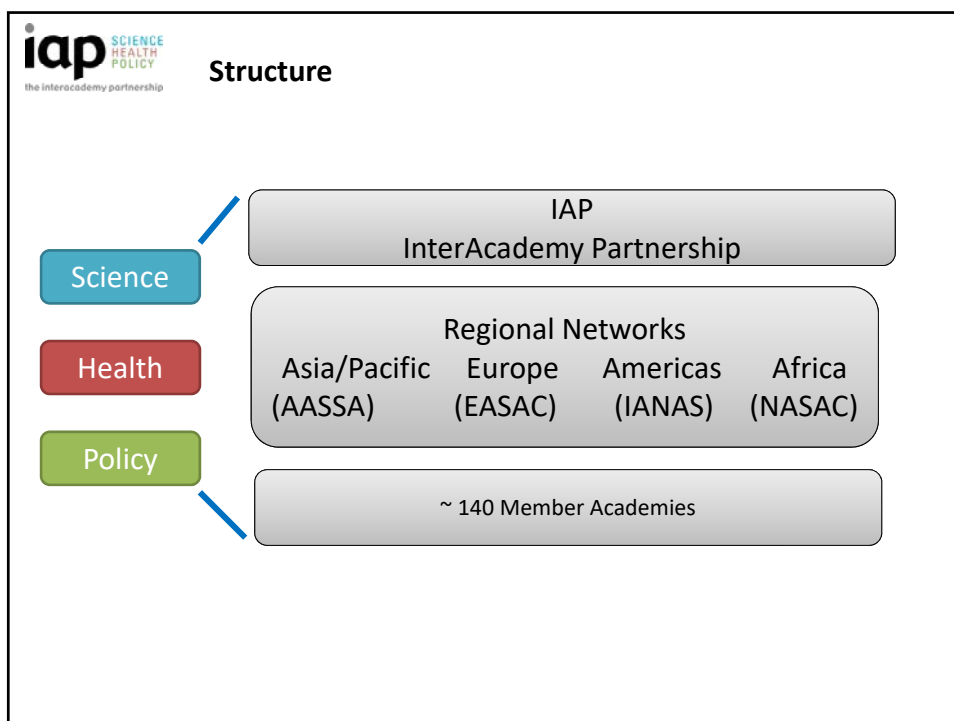
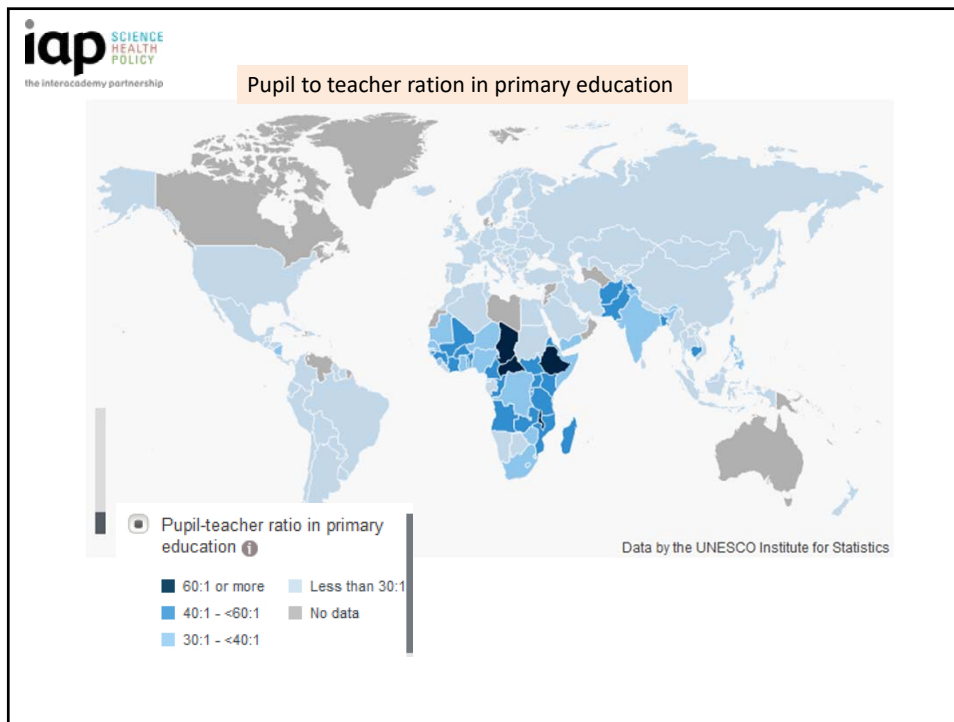
Peter McGrath
Coordinator
InterAcademy Partnership
IAP for Science, IAP for Health



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SCIENCE FOR PEACE
Inquiry-based science education is essential for forming critical thinking to build and sustain peaceful, knowledge-based societies.
Lasting peace may only be achieved in our world when scientific knowledge is more equitably produced and shared, when science and evidence-based thinking are supported and empowered in all societies, when diversity is cherished as a vital factor in science and research, and when the universal right to science is promoted and enshrined in regional and global fora.



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Membership

140 national, regional and global academies

The image shows a world map with four regional academy networks highlighted in blue. IANAS covers North and South America. NASAC covers Africa. easac covers Europe. aassa covers Asia. Each network is accompanied by its respective logo.

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Strategic Priorities (2019-2021)

- Build the capacity of, and empower, regional networks of academies and their national members.
- Empower academies and regional academy networks to provide independent, evidence-based, authoritative advice on global, regional and national issues.
- Promote the importance of science in research, education, and literacy.
- Build IAP as a progressive and more resilient global academies network.

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KAST 한국과학기술원 The Korean Academy of Science and Technology

2019 IAP Conference and General Assembly

Science and the Sustainable Development Goals: The Role of Academies


8-12 April 2019 | Sheraton Grand Incheon Hotel, Songdo, Incheon, Korea

27/08/2019




Strategic Priorities (2019-2021)

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27/08/2019



Strategic Priority 2: Empower academies and regional academy networks to provide independent, evidence-based, authoritative advice on global, regional and national issues.

Reports – Major outputs that may take 2-3 years to develop. Work processes and writing led by a committee of experts nominated by IAP member academies.



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Strategic Priority 2: Empower academies and regional academy networks to provide independent, evidence-based, authoritative advice on global, regional and national issues.

Statements – Short (4-page) documents that provide a synthesis the latest research findings on topical issues and provide advice and recommendations to policy-makers. **Endorsed** by majority of member academies.



Released at the 'One Planet Summit' held under the auspices of the President of France, Emmanuel Macron in Paris, France, December 2017.

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Strategic Priority 2: Empower academies and regional academy networks to provide independent, evidence-based, authoritative advice on global, regional and national issue.



Dec. 2017

Released at the 'One Planet Summit' held under the auspices of the President of France, Emmanuel Macron in Paris, France.



Office for Climate Education:

- Founded March 2018
- Spin-off of *La main à la pâte* (LAMAP)
- Headquarters in Paris

www.oce.global

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the interacademy partnership | The National Academy of Science and Technology

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Science Education Programme

sep SCIENCE EDUCATION PROGRAMME



- Active since 2003.
- Promotes inquiry-based science education (IBSE).
- Also active in science literacy.

The four chairs of the IAP SEP Global Council

www.interacademies.org/38392/ScienceEducationandScienceLiteracy

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- **Strategic Priority 3:** Promote the importance of science in research, education and literacy.

International Conference
Santiago, Chile, April 2016.

International Forum on Science Education
Beijing, China, July 2017.

Science Education Policy Forum, Khartoum, Sudan. February 2017.

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- **Strategic Priority 3:** Promote the importance of science in research, education and literacy.

ขอมติงเข้าร่วมการประชุมสัมมนา เรื่อง
**Science Literacy :
Roles of Science Museum
and Science Centre**

“ ภารกิจสำคัญของพิพิธภัณฑสถานวิทยาศาสตร์และศูนย์วิทยาศาสตร์
ในส่งเสริมการเรียนรู้วิทยาศาสตร์ของประชาชน ”

ระหว่างวันที่ 20-22 สิงหาคม 2562
ในการประชุมวิชาการของสถาบันพระปกเกล้าและมหาวิทยาลัยเทคโนโลยีพระจอมเกล้าธนบุรี 2 ศูนย์แสดงนิทรรศการร่วมเป็นหลัก ณ อาคาร 200

Rama IX Museum of NSM

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- **Strategic Priority 3:** Promote the importance of science in research, education, and literacy.

MOSQUITO!
COMMUNITY RESEARCH GUIDE

- Developed by Smithsonian Science Education Center in partnership with IAP.
- First of a series of planned modules ‘Science education for Global Goals.’
- Launched in May 2018 in English and Spanish. Additional languages to follow.

Malawi: implementation of ‘Mosquito!’ with 400 orphaned students at the Jacaranda School.

Panama: Launch event with 45 teachers and their 1,600 students. Now being followed by 2,200 students across the nation
Also: **Australia, Kenya, Puerto Rico, and Thailand.**

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- **Strategic Priority 3:** Promote the importance of science in research, education, and literacy.

Science Education Programme (IAP SEP)

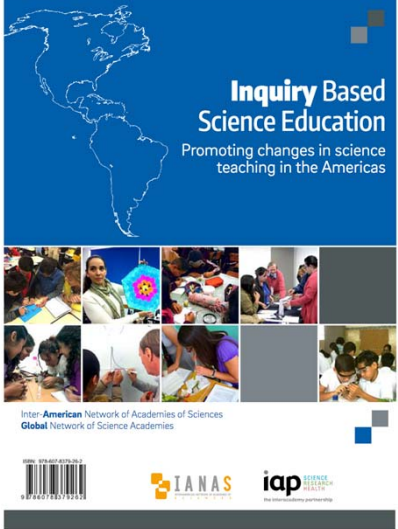
Africa-Mediterranean-European Academies for Science Education (AEMASE)
- with ALLEA.

**AEMASE III conference
Paris - October 2017**
Agreement to work towards establishing ‘Centres for Education in Science in the Africa-Mediterranean-European’ region (CESAME).
Proposals from 6 African countries plus ICTP, Italy.

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- **Strategic Priority 3:** Promote the importance of science in research, education and literacy.



Inquiry Based Science Education
Promoting changes in science teaching in the Americas

Inter-American Network of Academies of Sciences
Global Network of Science Academies

ISBN 9786078037922
9 786078 037922

IANAS
Inter-American Network of Academies of Sciences

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Working with Big Ideas of Science Education
Edited by Wynne Harfen
with Derek Bell, Rocca Devés, Hubert Dyaal, Guillermo Fernández de la Garza, Pierre Léves, Robin Miller, Michael Reiss, Patricia Rowell and Wei Yu

Trabajando con Grandes Ideas de la Educación
Editado por Wynne Harfen
Con la colaboración de Derek Bell, Rocca Devés, Guillermo Fernández de la Garza, Pierre Léves, Robin Miller, Michael Reiss, Patricia Rowell y Wei Yu

“高中” 科学教育丛书
以大概概念进行科学教育
Working with Big Ideas of Science Education
[英] 温·哈伦 编著
温德伦·加
روش کار با ایده‌های بزرگ در آموزش علوم تجربی
دکتر وین هارفین
با همکاری دکتر دیک بِل، دکتر راکا دیویس، دکتر گیلرمو فرناندس د لا گارزا، دکتر پیر لیس، دکتر روبین میلر، دکتر مایکل ریسی، دکتر پاتریک راول و دکتر وی یو
مشترک نشر افکار، ریسنکس

‘Working with Big Ideas of Science Education’ - 2015

27/08/2019

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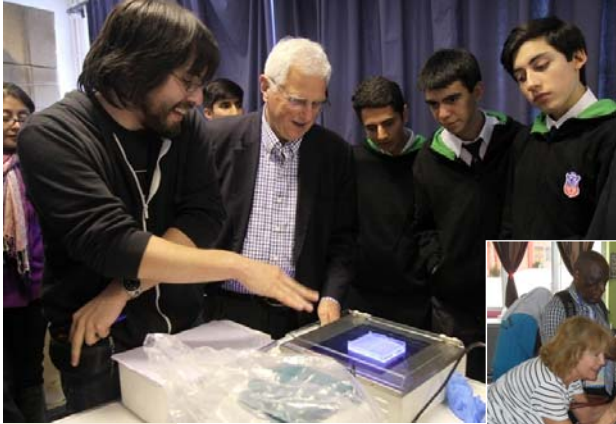


Presenting IAP SEP publication 'Working with Big Ideas of Science Education' to UNESCO DG, Irina Bokova. Kuala Lumpur, Malaysia, May 2015.

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Meeting students using mobile biotechnology labs. Santiago, Chile

Meeting students practicing IBSE. Kuala Lumpur, Malaysia.

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Thank you!

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Follow us on Twitter  @iapartnership

Website:
www.interacademies.org

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