

Academies working together at the global level

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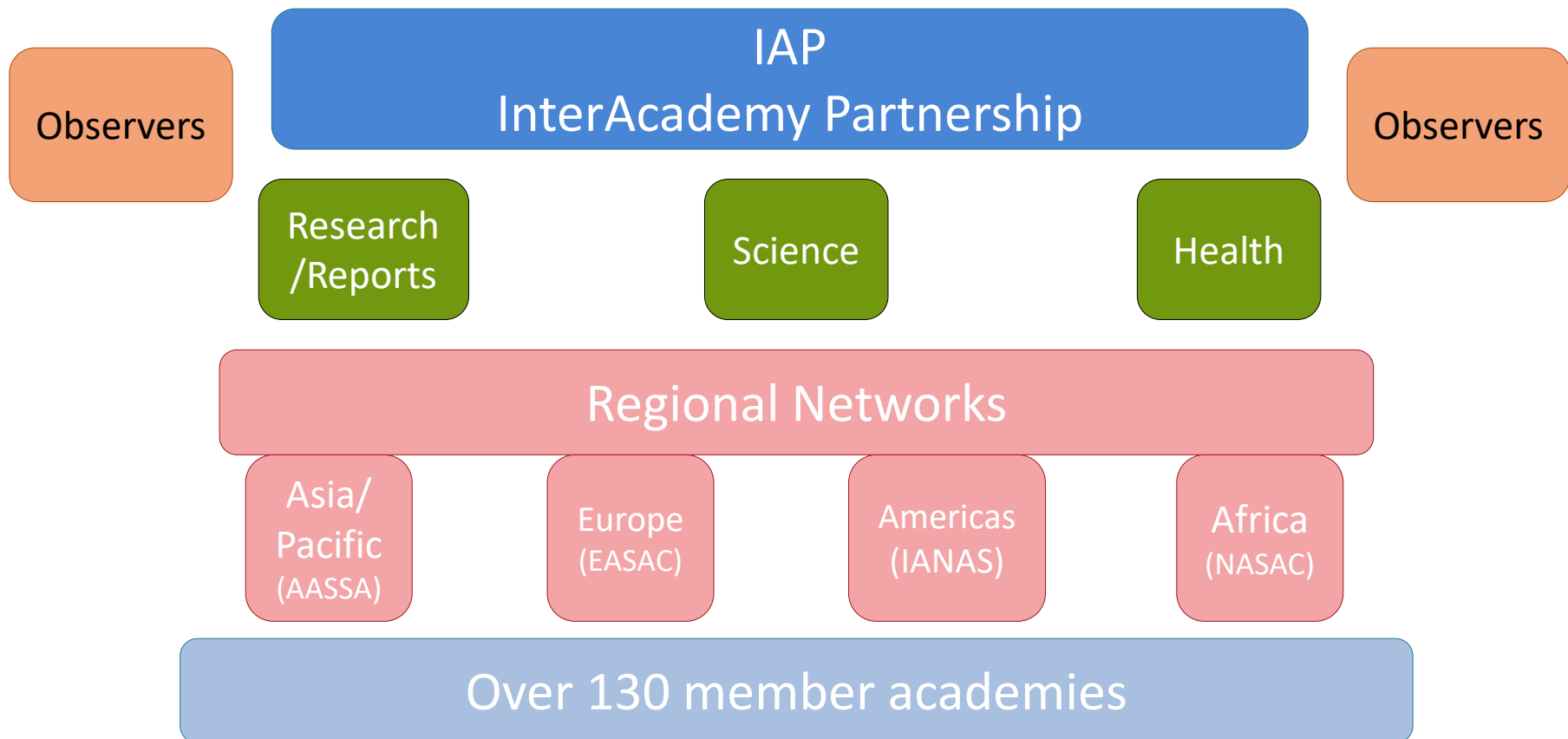
EASAC

IAP project on Food and Nutrition Security and Agriculture

- IAP global network of academies
- Designing the project
- Mapping onto SDGs
- Next steps

IAP - The Global Network of Science Academies

New Structure



EASAC and relationship with other regional academy networks

- European Academies' Science Advisory Council is formed by the national science academies of EU Member States to enable them to collaborate in giving advice to policy makers
- Founded in 2001, independent of commercial or political bias, and is open and transparent in its processes
- Secretariat based at the Leopoldina in Halle with a policy networking office in Brussels; Programmes on Environment, Energy and Biosciences
- EASAC is the regional academy network for Europe for IAP and in this project covers perspectives and issues wider than the EU

Challenges for food and nutrition security

- Malnutrition (undernutrition, micronutrient deficiencies, overweight/obesity) is problem worldwide, including EU
- Defining the goal - to provide access for all to healthy and affordable diet that is environmentally sustainable and culturally acceptable
- Taking an integrative food systems approach covers all steps from production, harvesting, processing, distribution, marketing through to consumption and recycling of waste: inter-related issues for resource efficiency, environmental sustainability, resilience and public health
- Setting priorities for increasing agricultural production by sustainable intensification must take account of pressures on other critical resources, e.g. water, soil, energy, and avoid further loss of biodiversity

Designing the IAP project

- Experts from the 4 regions together for kick-off meeting in Halle, 2015
- Agreement on working processes and common starting point with template of 10 priority themes, 2015-2016
- 4 regional academy Working Groups proceed in parallel, 2016-2017
- Project plenary meetings and sharing of draft regional outputs, 2016-2018
- 4 regional reports, engagement with national/regional policy-makers and other stakeholders, media, and follow-up activities, 2017-2018
- Regional reports also provide input for work on fifth, global, report with discussion by global editorial group
- Fifth report to be launched November 2018

EASAC report <https://easac.eu/publications/details/opportunities-and-challenges-for-research-on-food-and-nutrition-security-and-agriculture-in-europe>



Issues for food and nutrition security are vitally important for tackling SDGs

- The Sustainable Development Goals provide a critically important framework for understanding and meeting the challenges but require fresh engagement by science to reduce the complexities of evidence-based policies and programmes
- Science-informed analysis of interactions among SDGs can be strengthened to support coherent and effective science-policy dialogue and decision-making
- The project principal themes map onto multiple SDGs.....

Agricultural innovation



Food system efficiency



Nutrition, public health



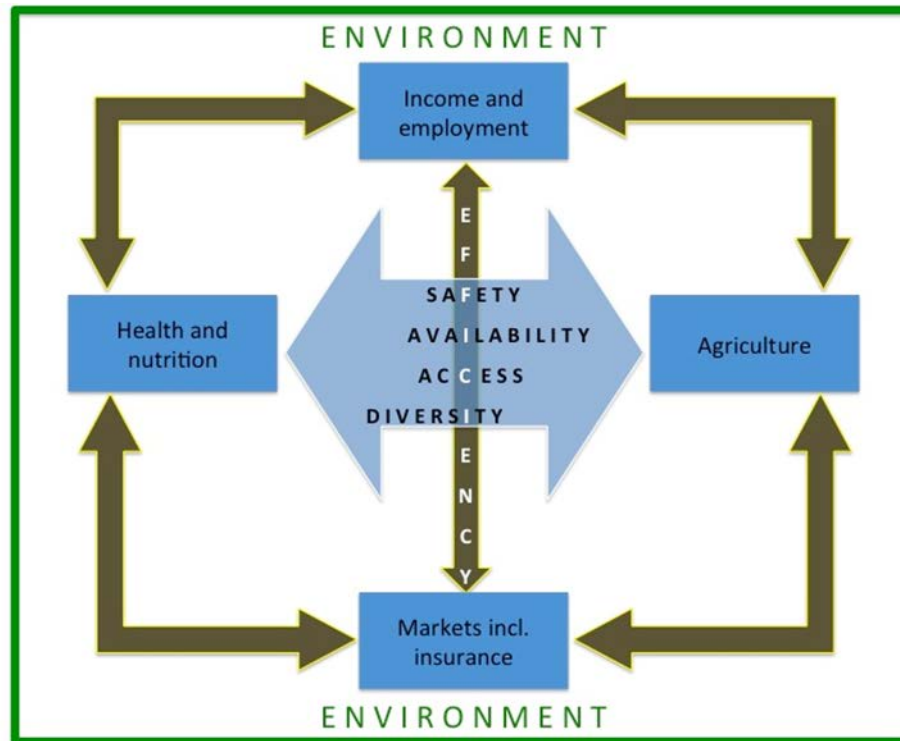
Competition for land



FNSA & the environment



Conceptual framework for aggregating research within the food systems context



IAP project: where are we now - 1?

- Inter-regional academy cooperation is continuing
 - Regional contributions to global events and follow-up work at national and regional levels
 - Finalising fifth report and potential project extension work
 - Drafting publications in peer-reviewed journals
- Learning what works and how to do better
 - Evaluation questions to assess performance
 - IAP Global Assembly to involve all member academies

IAP project: where are we now - 2?

- Project outreach – examples of engaging with policy-makers, wider scientific community, stakeholders and all the academy members of IAP
 - S20 Rosario, July for G20 policy makers
 - World Health Summit, Berlin, October
 - IUFoST, Mumbai, October
 - AAAS, Washington DC, February 2019
 - IAP General Assembly, April 2019
 - Aiming for focused discussion with global bodies e.g. WHO, FAO, IFPRI, World Bank

Further information on the IAP FNSEA project

Four regional reports, IAP template questions and description of project processes on:

[http://www.interacademies.org/37646/
Food-and-Nutrition-Security-and-
Agriculture](http://www.interacademies.org/37646/Food-and-Nutrition-Security-and-Agriculture)