“Implementing the Sustainable Development Goals and STISA: how can academies help?”

IAP/NASAC workshop on the SDGs and STISA

Nairobi

19-20 September 2018
The InterAcademy Partnership (IAP)

A global partnership of 138 national and regional merit-based academies of science, engineering and medicine.

Committed to making the voice of science heard on issues of crucial importance to the future of humankind.

Strategic Priorities

- Provide evidence-based advice and perspectives on global issues;
- Build a scientifically literate global citizenry;
- Strengthen the global scientific enterprise;
- Strengthen the global network of academies, including establishing new academies in countries where they do not currently exist.

Four regional networks (Asia, Americas, Europe, Africa)

"Improving Scientific Input to Global Policymaking: with a focus on the Sustainable Development Goals"
The Global Young Academy (GYA) and National Young Academies (www.globalyoungacademy.net)
REGIONAL WORKSHOPS (1)

"Improving Scientific Input to Global Policymaking: with a focus on the Sustainable Development Goals"
REGIONAL WORKSHOPS (2)

"Improving Scientific Input to Global Policymaking: with a focus on the Sustainable Development Goals"
Workshop objectives

To better understand the SDGs and STISA, and consider how the academies can best support them:

• to share national and regional experiences – opportunities, challenges, lessons learned, good practice;
• to identify gaps in our understanding of the implementation of these policy frameworks;
• to develop a voluntary regional action plan for how academies in Africa can work together to support the SDGs and STISA
Two policy frameworks

"Improving Scientific Input to Global Policymaking: with a focus on the Sustainable Development Goals"
An integrated approach to Food and Nutrition Security and Agriculture (FNSA)

STISAPriority 1: Eradication of hunger and achieving food security
“Implementing the Sustainable Development Goals and STISA: how can academies help?”

IAP/NASAC workshop on the SDGs and STISA

Nairobi
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“Improving Scientific Input to Global Policymaking, with a focus on the SDGs”

Dr Tracey Elliott, Project Director

IAP/NASAC workshop on the SDGs
Nairobi
19-20 September 2018
Contents

• The IAP projects
  – objectives
  – leadership: international Working Groups
  – project highlights
  – key outputs
  – key scientists in the UN system

• Questions, comments, discussion
The IAP projects

• Two international working groups comprised of IAP member academicians, with GYA and ISC nominations

• Three year projects framed around the global science community’s contribution to the SDGs, and the African academies’ contribution to STISA-2024

• The projects broadly aim to:
  – raise awareness of the SDGs and STISA, especially amongst the academies;
  – explore opportunities to support SDGs and STISA more effectively, with a focus on how the academies can play their part systemically;
  – encourage collaboration and adoption of good practices among organizations that generate scientific advice and support.

Three pillars: mobilization | capacity building | collaboration
The Project Working Groups
Addis, February 2017

Bern, September 2018
Understanding policy process and opportunity
Regional and national implementation of UN Agenda 2030 and AU Agenda 2063

Priority 1: Eradication of hunger and achieving food security
Priority 2: Prevention and control of diseases
Priority 3: Communication (Physical & Intellectual Mobility)
Priority 4: Protection of our space
Priority 5: Live together – build the society
Priority 6: Wealth creation

Two policy frameworks: SDGs and STISA
Project highlights to-date (Africa)

• Grants programme
  • to stimulate regional cooperation of academies
  • to develop new conversations and new partnerships, with national, regional and pan-African bodies, within the context of STISA 2024 and/or the SDGs

• African Academies Diaspora Fellows Programme: enabling members of African diaspora to contribute to development of local scientific initiatives within academies

• Science leadership programme (in design phase)
Project highlights to-date (global)

- Survey of senior and young academies (available online)
- Online database of SDG-relevant academy output (pilot phase) http://www.interacademies.org/35255/SDG
- Engaging with UN Regional Commissions – UNECE, ESCAP, ESCWA, ECLAC, ECA
- Four regional workshops on the SDGs (May-September 2018)
IAP academies’ survey
http://www.interacademies.org/36188/Results-of-the-Survey-of-the-Academies

• To learn more about the (actual and aspirational) role of academies in supporting the SDGs
• Over 55% responded (57 senior, 30 young, GYA)
• 12 senior academies and 9 young academies in Africa responded
• Provides a snapshot of where academies can bring knowledge to the SDGs, where they could be more involved, and where they need to develop their own capacity

Headlines:
Many academies already play an advisory role, especially at national level
• Most academies are keen to support the SDGs but awareness of how to do this is limited
• Awareness of national / country implementation is also limited
• There are clearly systemic disconnects between different actors e.g. between supply and demand
• Many academies are already contributing / publishing potentially relevant knowledge
How do academies feel they can best engage with the SDGs?
Since January 2014, has your academy published (or is about to publish) academy reports/outputs that are relevant to the SDGs?

If so, to which goals specifically?
The InterAcademy Partnership has more than 130 national and regional member academies, representing the best and brightest scientific minds in their countries. This searchable database provides examples of published academy output (national, regional and global) since 2014 that is either directly or indirectly relevant to the SDGs. The reports included here have either been submitted by the academies or collected from their websites. **Academies are invited to update the database as they produce relevant materials using the green “Add SDG Resource” button (below).**

The database is intended to be an open-access resource for all stakeholders, setting out where academies and their members bring knowledge to support the SDGs and where there is capacity to inform policy-making.

The database is searchable by SDG, country and region.
Database of academy reports

Online database of SDG-relevant academy output
http://www.interacademies.org/35255/SDG
PLEASE USE THIS!

423 global records to-date

- 116 (Americas)
- 59 (Asia)
- 57 (Africa)
- 166 (Europe)

4 (SDG-1 poverty) 34 (SDG-2, hunger) 20 (SDG-10, equality)
106 (SDG-3, health) 116 (SDG-11, cities) 23 (SDG-12, SCP)
51 (SDG-4, education) 11 (SDG-13, climate) 57 (SDG-14, oceans)
24 (SDG-5, gender) 19 (SDG-15, land) 19 (SDG-16, peace)
27 (SDG-6, water) 7 (SDG-17, partnership) 15 (cross-cutting)
39 (SDG-7, energy) 43 (SDG-9, innovation)
NASAC - IAP member academies

partnership
health
hunger
climate
education
poverty
energy
gender
oceans
equality
SDGs explicitly discussed in your academies
# Database of African reports

An online database of SDG-relevant academy output can be found at [http://www.interacademies.org/35255/SDG](http://www.interacademies.org/35255/SDG).

**57 African records to-date**

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"Improving Scientific Input to Global Policymaking: with a focus on the Sustainable Development Goals"
Examples of academy initiatives

- Incentivizing universities e.g. SCNAT
- Aligning prizes & awards to SDGs e.g. TWAS
- Commissioning national sustainability reports e.g. CAS
- Organizing live TV phone-ins on SDGs e.g. ZaAS
- Using SDG-referenced working groups e.g. GYA
- Public statement on role of GYA/NYAs
- Referencing SDGs in annual performance plans, reports and strategic plans e.g. ASSAf
- Developing national STI plan for SDGs e.g. ASM
- Setting up expert committees on SDGs e.g. SCJ
Guide for merit-based academies(1)

Expertise required for:

• explaining causes and trajectories;
• monitoring and evaluation frameworks; metrics
• gaps, complementarities, synergies and trade-offs;
• complex and big data;
• interdisciplinary perspectives;
• independent assessments;
• longer-term horizons, post-2030
Guide for merit-based academies(2)

Entry points:

- UN STI multistakeholder forum
- Global SD Report
- UN Regional Commissions e.g. UNECE
- Voluntary National Reviews
- National STI roadmaps
- Major Group for S&T
- Expertise to UN agencies and commissions
- International research, monitoring and evaluation programmes e.g. Future Earth
Figure 1: Mapping science advice in the UN SDGs process: at the UN level (simplified)

These schematic organograms are illustrative.

Arrows reflect institutional links and inputs into different parts of the system, but are not scalar or proportionate.
Key African scientists (1)

• 10 Member Group on Technology Facilitation Mechanism
  
  – Dr. Agnes Lawrence Kijazi (Tanzania), Director General, Tanzania Meteorological Agency (TMA)
  
  – Dr. Heide Hackmann (South Africa), Executive Director, International Science Council (ISC)
Key African scientists (2)

- 15 Member Independent Group of Experts, GSDR 2019
  - Professor Parfait Eloundou-Enyegue (Cameroon) Professor and Department Chair of Development Sociology, Cornell University.
  - Dr Ernest G. Foli (Ghana) Principal Research Scientist at the CSIR Forestry Research Institute of Ghana
Figure 1: Mapping science advice in the UN SDGs process: at the UN level (simplified)

- Member States
- National Systems, Private Sector, NGOs etc
- Voluntary National Reviews

UN General Assembly

- Sustainable Development Knowledge Platform
- UN Specialised Agencies
- UN Functional Commissions

High Level Political Forum (HLPF)

- SDSN/
- Major group S&T Community (ICSU/ISSC/WFEO)
- UN Regional Commissions on Sustainable Development

UN Secretary General

- Annual SDGs Progress Report

Global SD Report

Product/outputs
- Structures/mechanisms
- UN Permanent Structures
- Bespoke to SDGs

These schematic organograms are illustrative.
Arrows reflect institutional links and inputs into different parts of the system, but are not scalar or proportionate.
UN Regional Commissions

Participation in UN regional annual fora on sustainable development: UNECE, UNESCAP, UNESCWA, UNECA, UNECLAC

What we have learned….

- variable and limited reference to science or evidence-informed policymaking;
- limited engagement of science/research community;
- differences in approach and priorities across the regions;
- an appetite from policymakers for stronger engagement of science community regionally;
- a regular opportunity for the IAP regional networks??
Voluntary National Reviews

- To facilitate sharing of experiences (successes, challenges, lessons learned) between Member States

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<td>Tanzania</td>
</tr>
</tbody>
</table>
Workshop objectives

To better understand the SDGs and STISA, and consider how the academies can best support them:

• to share national and regional experiences – opportunities, challenges, lessons learned, good practice;
• to identify priority knowledge gaps where stronger intervention is most needed;
• to develop a voluntary regional action plan for how academies in Africa can work (together) to support the SDGs and STISA.
Questions for you

• Do you have any **experiences** you can share, where you have engaged (or tried to engage) with the SDGs and STISA?

• **What opportunities** do you see for your own academy? How might it better engage?
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