



ISC Knowledge Sharing Session on Data: Converging Science and Technology in a Digital Era



**International
Science Council**



The question of data is key to ISC's objectives

Box 1. The ISC's vision, mission and strategic objectives

The ISC's vision is of science as a global public good. Its mission is to be the global voice for science.

The Council's strategic objectives are to:

- Promote international, integrated research on key global challenges;
- Increase evidence-informed understanding and decision-making at all levels of public policy, discourse and action;
- Support the continued and equal development of science systems in all parts of the world;
- Protect scientific freedom and advocate principles for the responsible practice of science.



Data is therefore a central domain of interest for ISC

- The Digital Revolution is a key area of work for ISC under Domain 2: Converging science and technology in a digital era
- Data is also central to our work on Open science (Domain 4: Changing Practices in Science and Science Systems).



Priority themes for Domain 2 in AP 2022-2024

Theme 2.1: Digital transformations of science and education:

The fundamental enabler of interdisciplinary, data-driven science is an ecosystem of resources that enable data to be FAIR (Findable, Accessible, Interoperable and Re-usable) for humans and machines, with maximally automated stewardship of data, effective terminologies and metadata specifications.

Making Data work for Cross Domain Grand challenges: CODATA

Theme 2.2: Digital technologies for sustainability:

Digital technologies have enormous potential to steer processes directed towards achievement of sustainability goals, but their successful application will require closure of the global digital divide, changing market incentives and committed and responsible governance at all levels.

CODES, I-DAIR, Sustainability in the Digital Age

Theme 2.3: Convergent technologies: impacts, ethics and governance:

For Development



CODES

The Coalition for Digital Environmental Sustainability (CODES) is a global, multi stakeholder alliance established as part of the implementation process for the UN Secretary-General's Roadmap for Digital Cooperation and feeding into international processes including upcoming Global Digital Compact.

Co-championed by ISC, UNDP, UNEP, German Environment Agency, Future Earth and the Kenyan Ministry of Environment.

Mission: To catalyse three strategic shifts:

1. Digital vision and values for a sustainable digital age: Shaping digital innovations toward a common, purpose embodied by the SDGs;

2. Sustainable digitalization: Building inclusive and environmentally sustainable digital infrastructure, standards and safeguards;

3. Digital sustainability: Harnessing digital technologies and transitions to create opportunities to accelerate environmental sustainability in an equitable way.



International Science Council

The global voice for science
