

# GOSC Landscape and Vision

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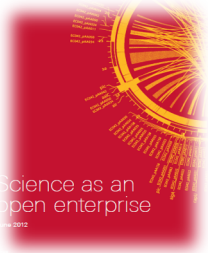
Computer Network Information Center, CAS

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# Open Science Cloud/Platform at A Glance

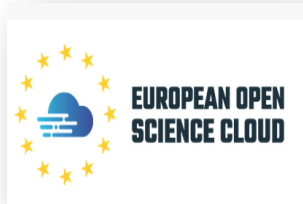
- Open science trend



**International  
Science Council**



- National & regional open science cloud/ platforms

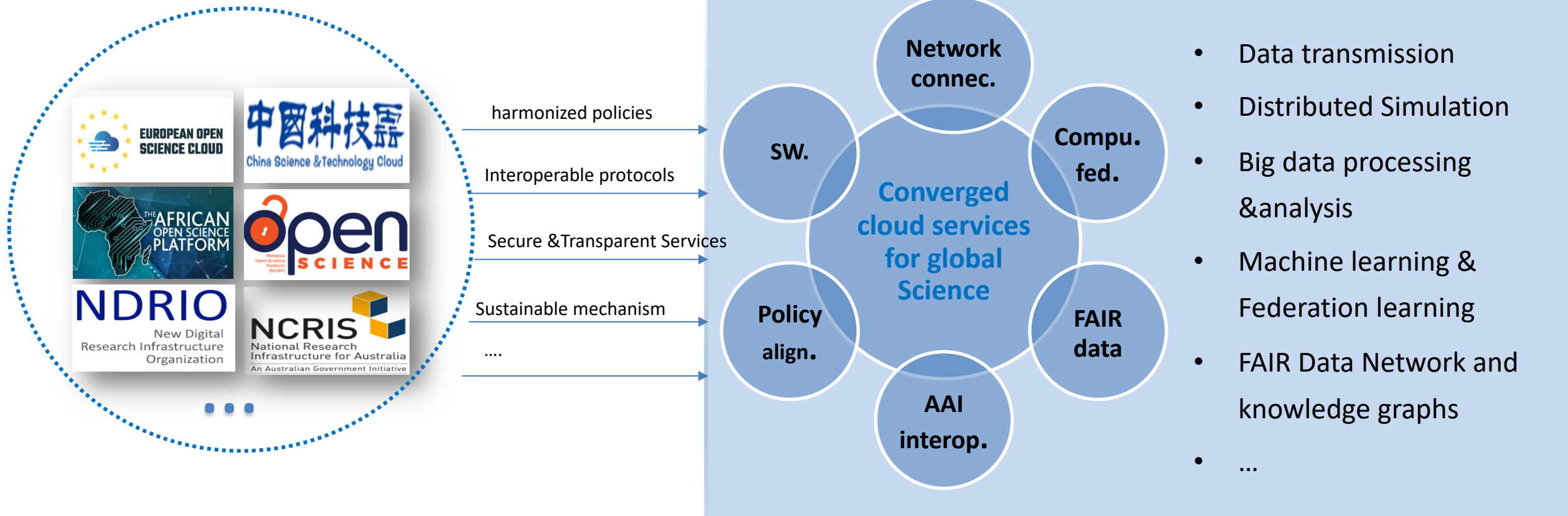


- GOSC idea proposed during 2019 CODATA Beijing Conference

Session: Building a global network infrastructure for international cooperation on data-intensive science  
Session: Policies and Interoperability for Global Big Earth Data: a joint CASEarth and CODATA Workshop  
Session: Coordinating Global Open Science Commons Initiatives  
And panel discussion for GOSC

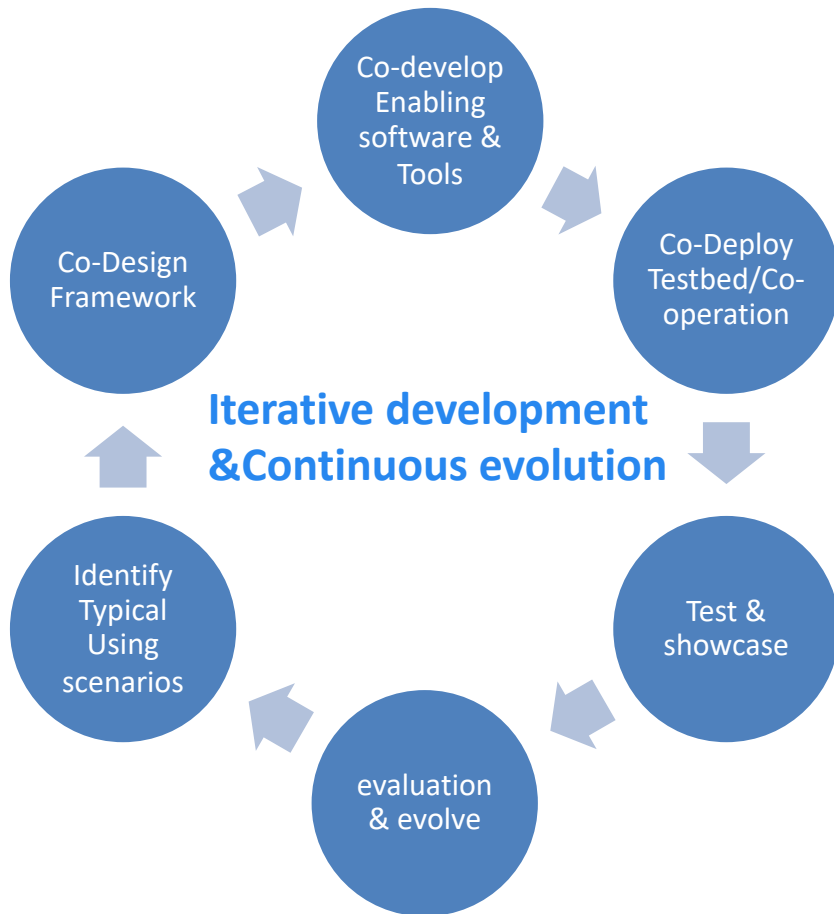
# GOSC Landscape

- A cross-continental federated e-infrastructure and virtual research environment for global cooperation and open science.



# The Way Forward to GOSC

- Long-term process driven by typical use cases of global science collaboration.
- From light-weight testbed to large-scale converged platform.



- **CO-Design, CO-Develop, CO-Deployment & Operation**

- ✓ Digital Infrastructure representatives
- ✓ Technical experts
- ✓ Data professionals
- ✓ Policy makers and policy researchers
- ✓ Research community representatives
- ✓ ....

# GOSC Initiative

- “ Global open science cloud initiative (2021-2025)” will be funded by CAS Program of fostering international mega-science and will be endorsed by CODATA.
- To explore the possibility of GOSC and co-development of cross-border testbed.

## Key Actions

- **Communication Platform**
  - ✓ International Symposium on Open Science Cloud.
- **Policies**
  - ✓ Harmonize policies for cross-border sharing of data, resources and services.
  - ✓ Explore governance rules and sustainable operation mechanism.
- **Implementation technology**
  - ✓ Key Protocols & tool kits for interoperability.
- **Testbed and demonstrations**

## Anticipated Outputs

- Consensus & global collaboration network
- Framework for GOSC policy and technics
- Cross-border testbed to demonstrate for global science collaboration & open science
- **Launch one Big Science Program for GOSC (2025-)**

# Call for International Partnerships

- Open mind, open framework, open collaboration for open data & open science.
- Coming together is a beginning. Keeping together is progress. Working together is success. *Henry Ford (1863 – 1947, American industrialist)*



Thank you!