

ESIP Information Quality Cluster (IQC)

OUR SHARED VISION

Become internationally recognized as an authoritative and responsive information resource for guiding the implementation of data quality standards and best practices of the science data systems, datasets, and data/metadata dissemination services.

Who we are - Membership

Chairs: H. K. Ramapriyan – SSAI (NASA ESDIS), Ge Peng – CICS-NC (NOAA NCEI), David Moroni – CalTech (NASA JPL PO.DAAC)

Student Fellow: Sophie Hou – NCAR (ESIP)

Active Members: Ross Bagwell – SSAI (NASA ESDIS), Bob Downs – CIESIN (NASA SEDAC), Zhong Liu – GMU (NASA GES DISC), Grace Peng – NCAR, Chung-Lin Shie – UMBC (NASA GES DISC)



Observers: – Individuals from 28 different organizations (8 non-US)

Membership is open – we seek active participation!

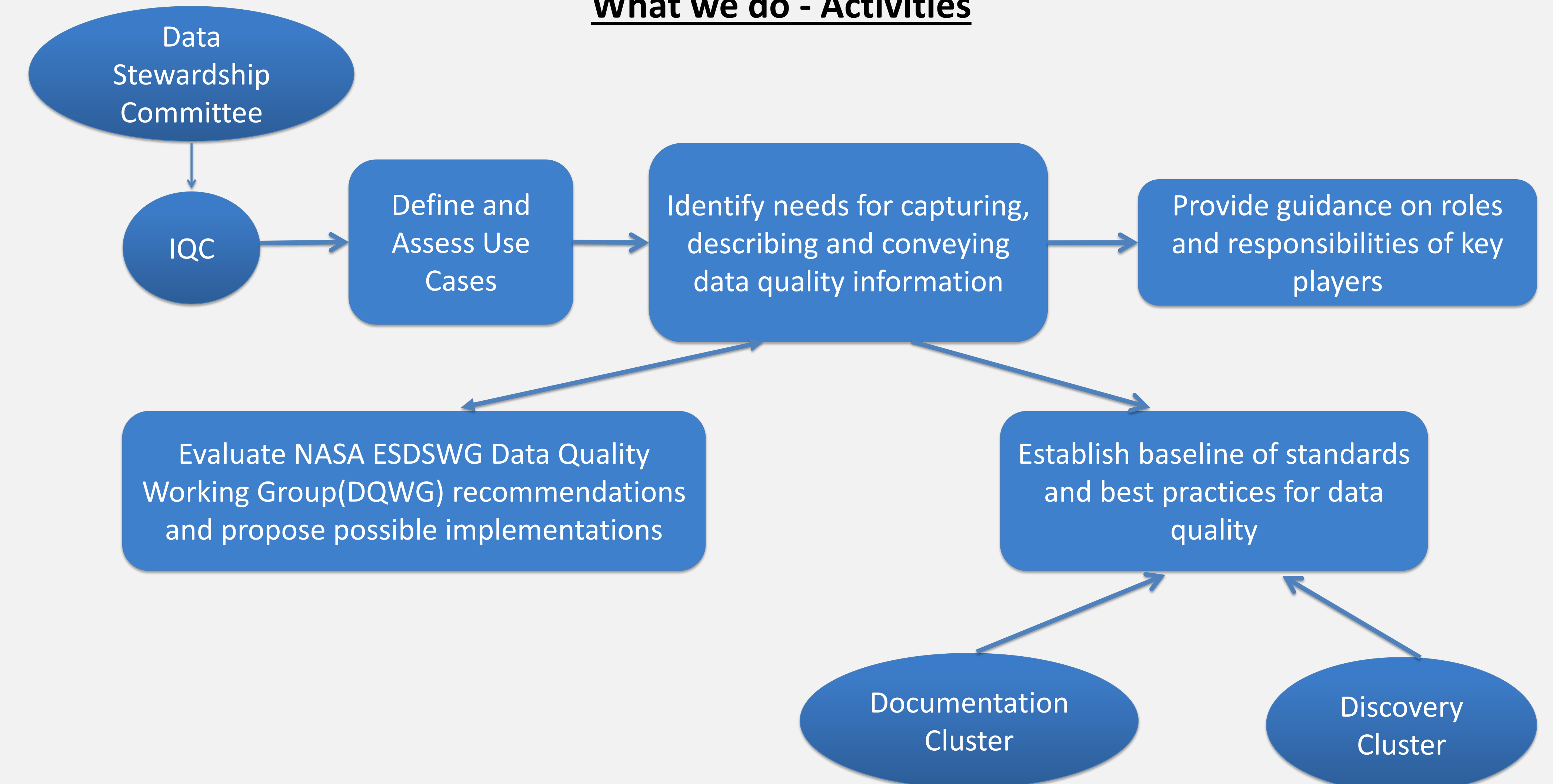
What we do - Cluster Objectives

- Share our Experiences
- Actively evaluate best practices and standards for data quality from the Earth science community.
- Improve collection, description, discovery, and usability of information about data quality in Earth science data products.
- Support:
 1. Data product producers with information about standards and best practices for conveying data quality; provide mentoring as needed
 2. Data providers/distributors/intermediaries establish, improve, and evolve mechanisms to assist users in discovering and understanding data quality information.
- Consistently provide guidance to data managers and stewards on the best recommendations for implementing data quality standards as well as for enhancing and improving maturity of their datasets.

Where we fit – Related Activities

- NASA Earth Science Data System Working Groups (ESDSWG) – Metrics Planning and Reporting WG (Product Quality Checklists) – 2010-2012
- NASA EDSWG Data Quality WG (Recommendations) – 2014-present
- NOAA Dataset Lifecycle Stage based Maturity Matrices – 2009 - present
- EUMETSAT CORE-CLIMAX Data System Maturity Matrices (e.g., CEOS Essential Climate Variables (ECV) Inventory Questions
- GEOSS Data Quality Guidelines
- Quality Assurance framework for Earth Observation (QA4EO)
- ISO Metadata Quality Standards (19115:2003; 19157:2013; 19158:2012)
- NCAR Community Contribution Pages

What we do - Activities



Where we fit – Many Global Players

