

# 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), Ruth Duerr (Ronin Institute), 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)

**Stakeholders:** Data producers, curators, distributors, users, etc.

**Membership is open – we seek active participation!**

**To join, subscribe to email list at [http://wiki.esipfed.org/index.php/Information\\_Quality](http://wiki.esipfed.org/index.php/Information_Quality)**

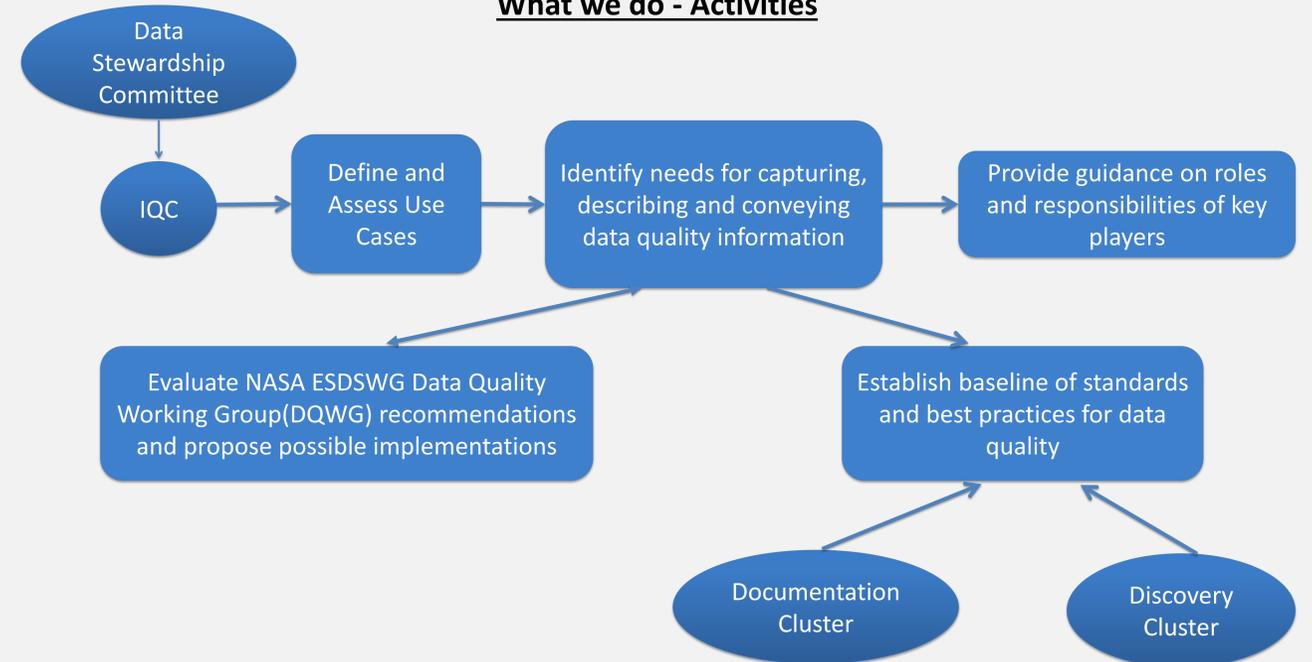
### What we do - Cluster Objectives

- 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, understanding, and applying data quality information properly.
- 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 ESDSWG Data Quality WG (Recommendations) – 2014-present
- NOAA Dataset Lifecycle Stage based Maturity Matrices – 2009 - present
- EUMETSAT CORE-CLIMAX Data System Maturity Matrices
- GEOSS Data Quality Guidelines and GEO DMP Implementation Guidelines
- CEOS Essential Climate Variables (ECV) Inventory Questions
- 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

