

# Telescience and AI focused Group

## PRAGMA 37 Report Back

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# Day 1 Joint with AI focus group

- Identify AI Components
  - Infrastructure
  - Data/Algorithms
  - Application
- Sharing/collaboration is critical for understanding how AI can be used
- Sharing data has a lot of obstacles

# What we can do together

- Sharing data is critical
  - Coralnet (<https://coralnet.ucsd.edu/>)
  - Wildbook.org
  - google dataset search (<https://toolbox.google.com/datasetsearch>)
  - GLEON, CREON
- Collective Catalog for
  - Data, Algorithm, Projects
  - Smart agriculture, coral reefs, biomedical

# Missing Middleware

ABCI can be used as a core technology to drive progress

Think Data Life Cycle: data moves to ABCI, a subset is used in a series of computations, a publication results, the data leaves the ABCI environment.

- Study what ABCI can expose information about what occurred
- Study how Digital Object Architecture / LIDO and persistent IDs lightly track data lifecycle

Identify datasets/algorithms that can be shared:

- Smart agriculture (Taiwan), coral reefs (Taiwan), biomedical (Indonesia)