



Establishing a Central Research Database for the Lower Mekong Region



Report on Project Planning Meeting (Sept. 6, 2016)

September 9th, 2016

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overview

The need for data sharing:

- Research increasingly focusing at the ‘nexus’ of domains and systems
- Researchers wants to share data, and ultimately return value to the Mekong
- Need for data discovery, awareness & coordination
- Difficulties due to data owners’ lack of control over data

A capable and accessible database:

- Distributed architecture bringing the database to data owners
- Workflow to support custom protection control over datasets
- Bottom-up architecture to “crowd-source” data
- Tools and proceses to support data curation



database



The basics:

- Leveraging science DMZs concept
- Federating multiple sites

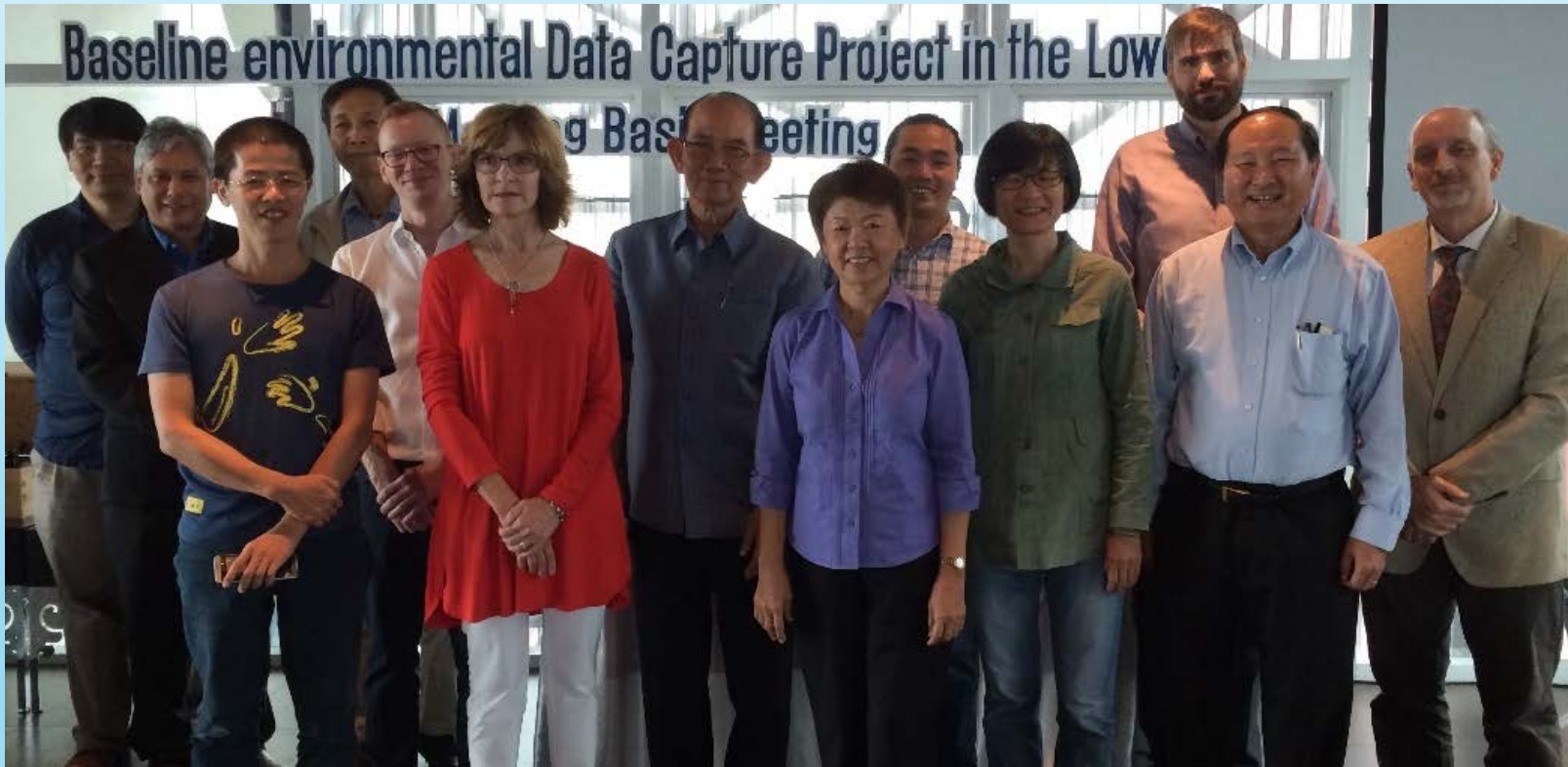
The fancy:

- Supports data contributors
 - Sharing, attribution
 - Access control
 - Protection control
- Supports data users
 - Discovery, coordination
 - Data curation
 - Availability/responsiveness



strategy – step 1

- Announce, solicit input, build support



strategy – step 2 ...

- Identify partners to develop/implement database
 - PRAGMA, CENTRA, regional partners, ...
- Design input from data owners, data users
 - SEAIP 2016, PRAGMA 32, ...
- Secure funding for US, Asia Pacific, and Mekong regional activities
- Develop, deploy proof-of-concept system
- Build regional support, scale up



engage – commit

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