The CCS-M Program

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Coordinating Committee for Geoscience Programmes in East and Southeast Asia (CCOP)

The CCS-M Program

- a CCS capacity building program of CCOP

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Goal of CCS-M

To enable government organizations in the CCOP member countries to provide a high level overview of the potential for large-scale CO_2 storage.

Scope

Safe storage of CO_2

Possible use of CO_2 for increased recovery

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Outcomes

- Form a consensus on the methodology
- Enhanced capacity of member countries
- Development of the Atlas of CO_2 Storage in the CCOP region
- Facilitate the sharing of information – GIS & metadata system
- Further collaboration – CCS & EOR potential, compatible capacity estimates, etc.
- Guidelines for National CO_2 Storage Mapping

Contents

Case Studies

Methodology & Guidelines as Toolkits

CCS pilot projects

Website & GIS system

Oversight and QC/QA committees

Integration of country CO_2 storage maps to develop the CO_2 Storage Atlas of CCOP

To present the best available estimates of potential CO2 storage capacities determined by each of the MC's

Based on established / standard methodologies.

Duration & Budget

3/2013

Starting

Budget: ~USD 2.0 Million

Duration: 4 years

Facilitating Phase

2014

Case Study Phase & Atlas Development

2016

End of Program

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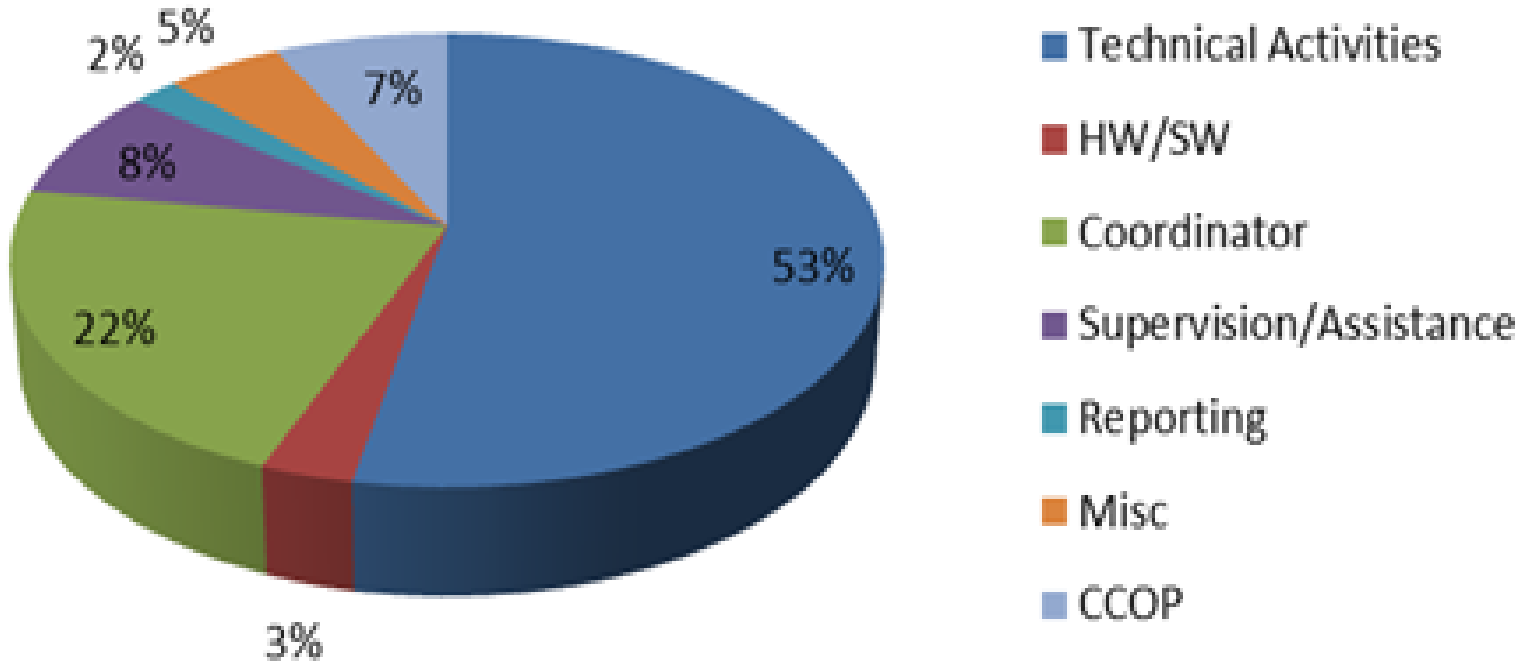
CCS-M Program Budget



Facilitating Phase

Objectives:

- Better understanding on the mode of implementation – workflow & methodologies to be used
- Use of standard calculation methodology to produce readily comparable storage capacity estimates

Activities:

- Launching seminar
- ~15 day intensive training course (with fieldwork)

Phase 1: Y2014-2015

The Case Study (CS) Phase
"Learning by Doing"

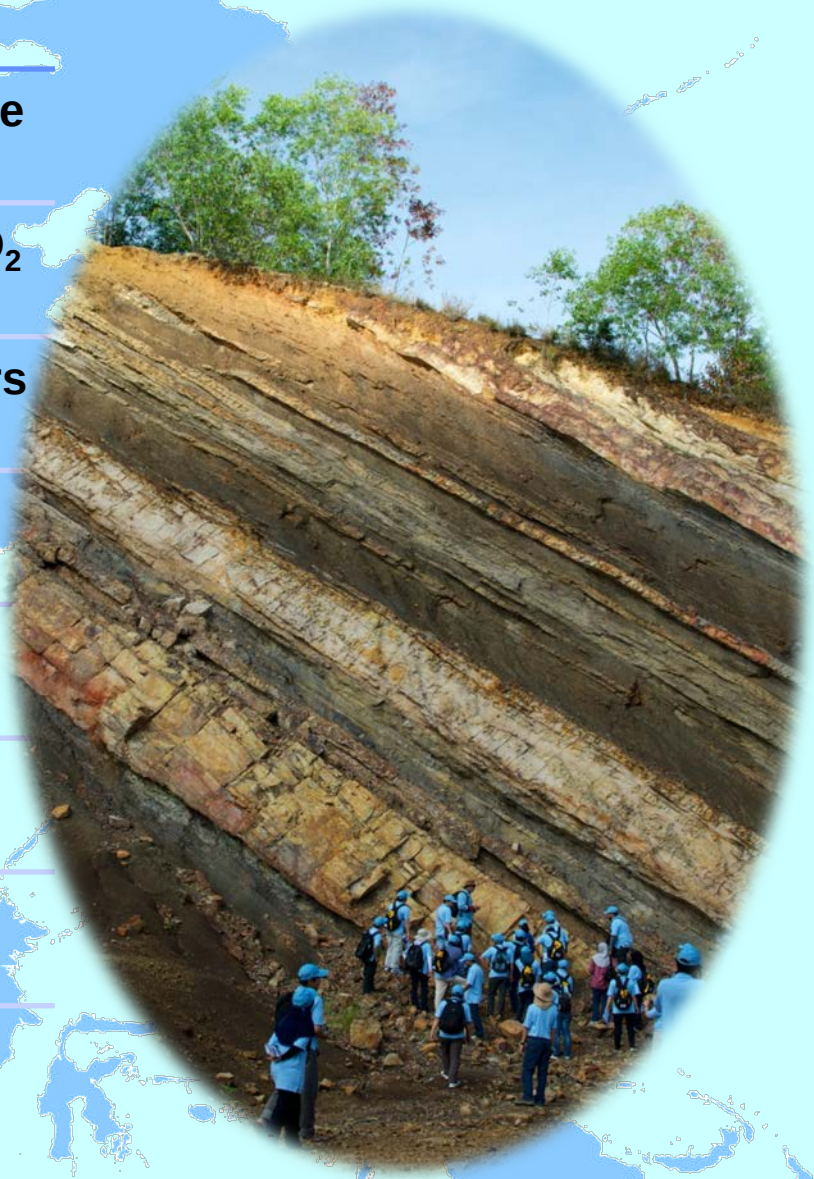
=

3 member countries will be invited to host the CCS-M Program case studies

- 2 offshore (location)
- 1 onshore

The Case Studies will look into

- Types of geological storage and trapping mechanism
- Criteria for selection of CO_2 storage sites
- Characterization of aquifers and structures
- Calculation of storage capacity
- GIS and metadata
- Use of CO_2 for EOR & others
- Monitoring tech & others



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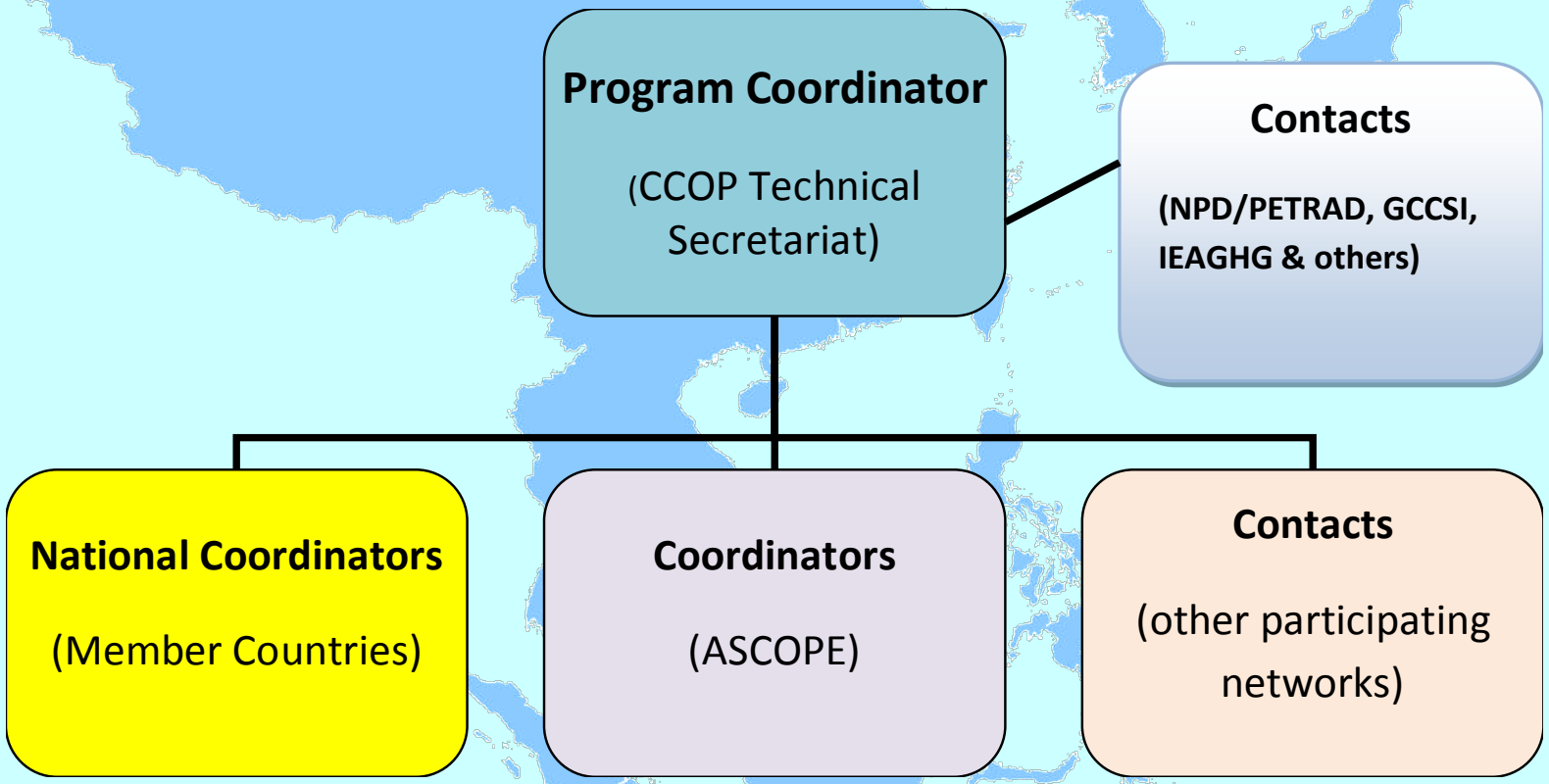
Phase 2: 2016-June 2017

for National CO_2 Storage Mapping

to specific CO_2 storage projects in the MCs

of CO_2 Storage in the CCOP region

Management Structure



Program Oversight

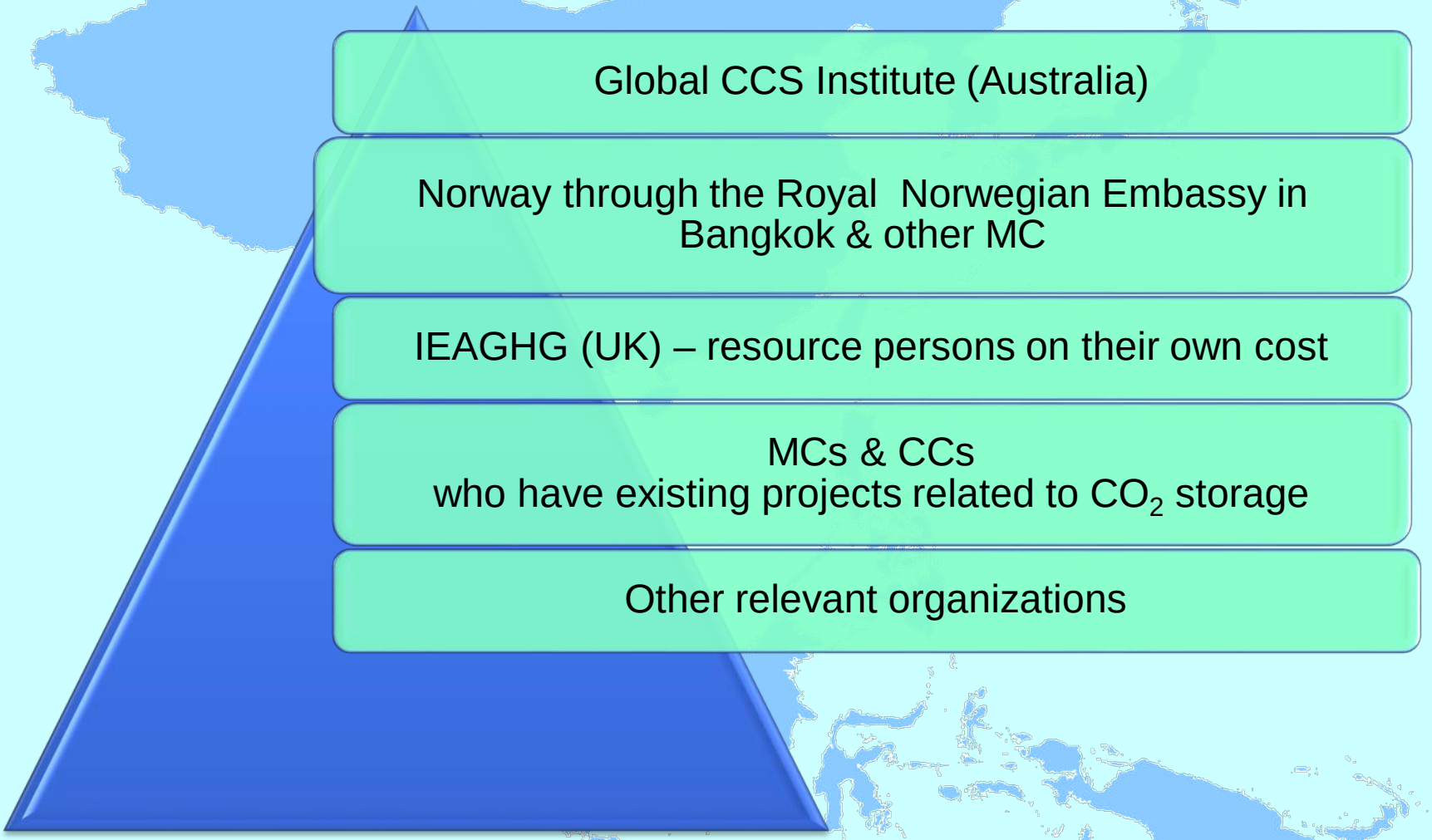
Chairperson of CCOP Steering Committee

CCOP TS
- TS Director
- Program Coordinator

Case Study Countries
- CS 1
- CS 2
- CS 3

Partner Organizations
- RNE/NPD
- GCCSI
- others

Potential Fund / Technical Sources



CCOP, together with our Cooperating Countries, can demonstrate a partnership in addressing unique challenges that will affect the world

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THANK YOU!

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