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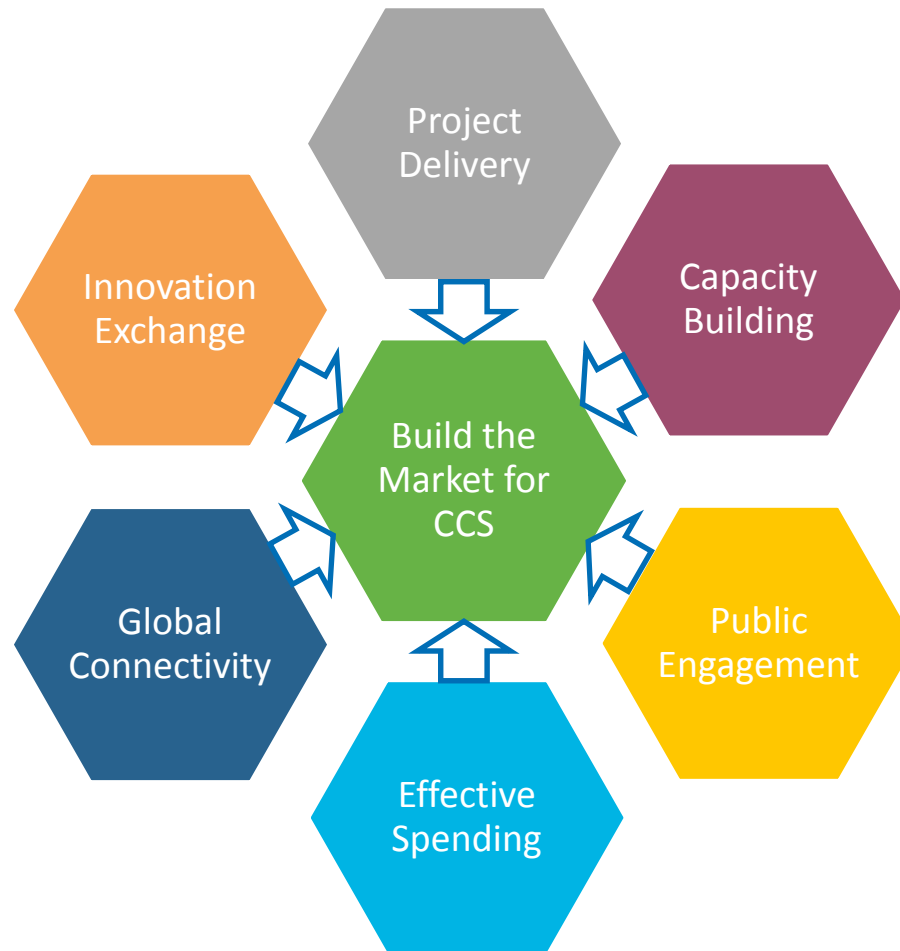
Cooperation between forerunner and follower countries in CCS research: Asia-Pacific perspective

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Center - Lausanne,
Switzerland



Global Status of CCS: Exchange of knowledge is key



Source: Global Status of CCS: **2010**



Global Status of CCS: Exchange of knowledge is key



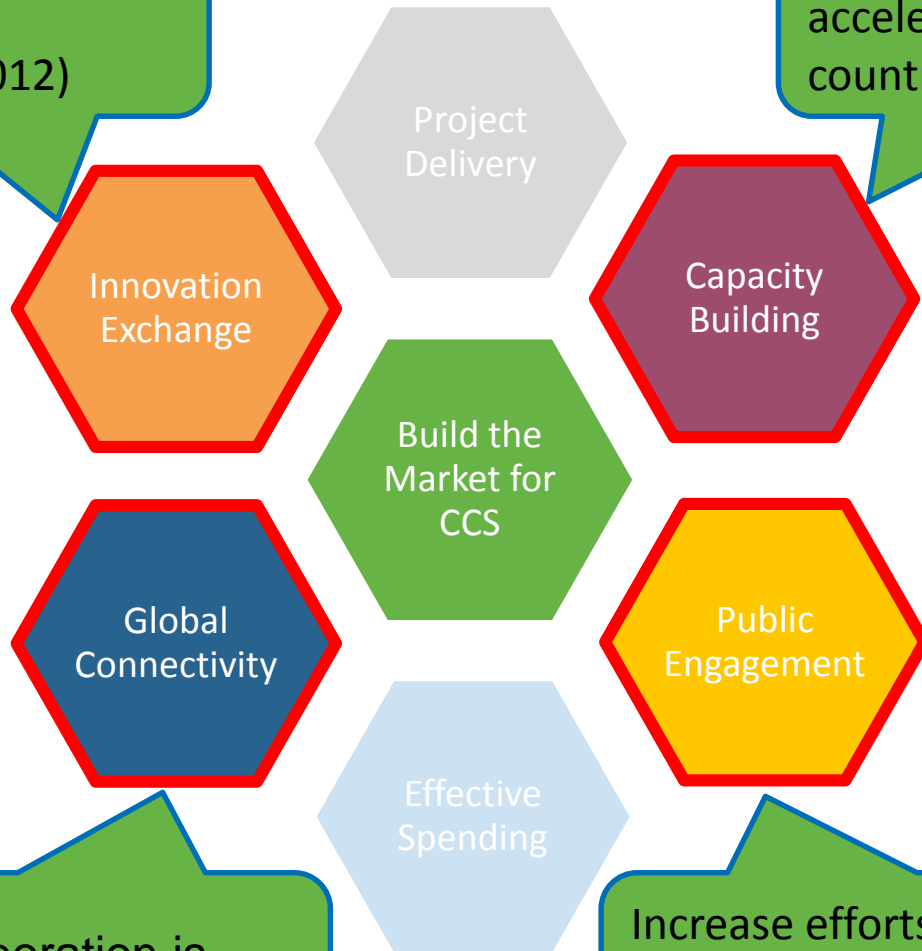
Source: Global Status of CCS: 2010



Global Status of CCS: Exchange of knowledge is key

Acceleration of CCS depends on collaboration and knowledge sharing (2012)

Progress must be accelerated in developing countries (2015)



International collaboration is vital to accelerate CCS (2014)

Increase efforts to enhance and broaden general understanding of CCS (2013)



CCOP Carbon Storage Mapping Group

East Asia and South East Asia

- Majority of growth in emissions (and power generation, industry)
- Late starters

Carbon Storage Mapping Group

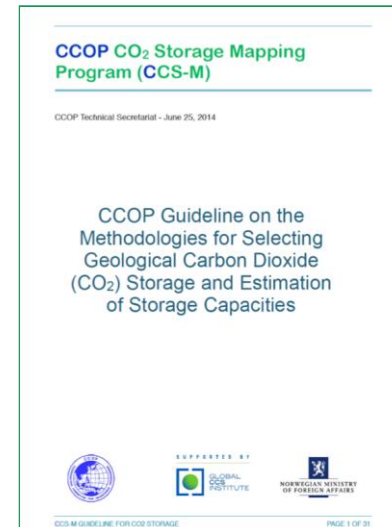
- 11 countries, 4-year capacity building program
- Seminars and Workshops led by Research Experts
 - Norway, Australia, China, Japan, Korea
- Country assessments led by experts
 - N.O.C, Geological Surveys, Research organisations
- 1. Prospectivity basin mapping
 - Unified method, best practice
- 2. Storage resource assessment
 - Unified approach, widely adopted CSLF method

Outcomes

- **Single Atlas**
- Collaboration and exchange of knowledge



Source: Global CCS Institute (2015)
Global storage readiness assessment





China-Australia Geological Storage of CO₂

CAGS

- Geoscience Australia -- China's Ministry of Science and Technology through the Administrative Centre for China's Agenda 21
- Three phases
 1. Basics of storage
 2. Advanced storage research and planning
 3. Project planning and development
- 100's of experts, young researchers, university students
- Develop China and Australia's technical skills
 - Capacity building
 - Training opportunities: CCS Schools
 - Sharing expertise
 - Knowledge Exchange
 - CAGS Symposium



Outcomes

- Projects in Sichuan, Ordos basins and Xinjiang Province
 - Fundamental storage studies (Roadmaps, risk assessment analysis)
 - Novel storage studies (Enhanced water recovery)

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