

STATUS OF GLOBAL CCS and BARRIERS TO DEPLOYMENT

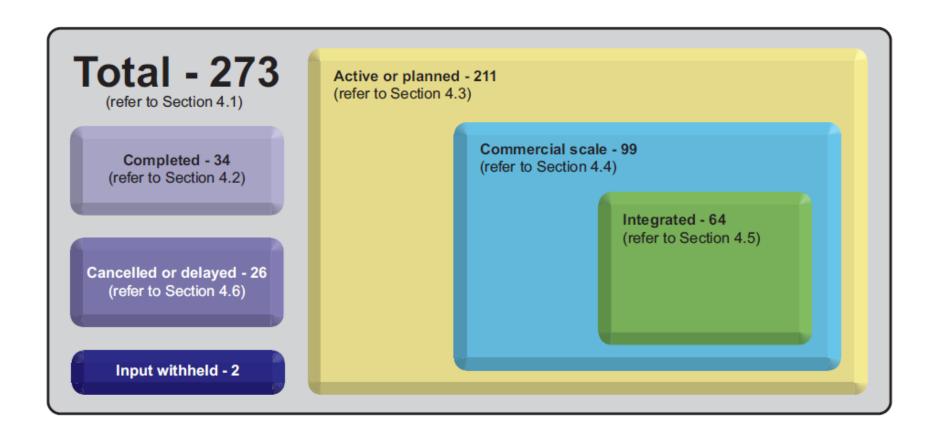
Nick Otter - CEO of Global CCS Institute

COMPREHENSIVE AUDIT OF GLOBAL STATUS OF CCS

- Undertaken over June-September 2009
- Project status, costs, policy and regulation and R&D
- Realistic and contemporary view of opportunities and challenges to CCS.
- Basis for an annual global `stock take` of CCS

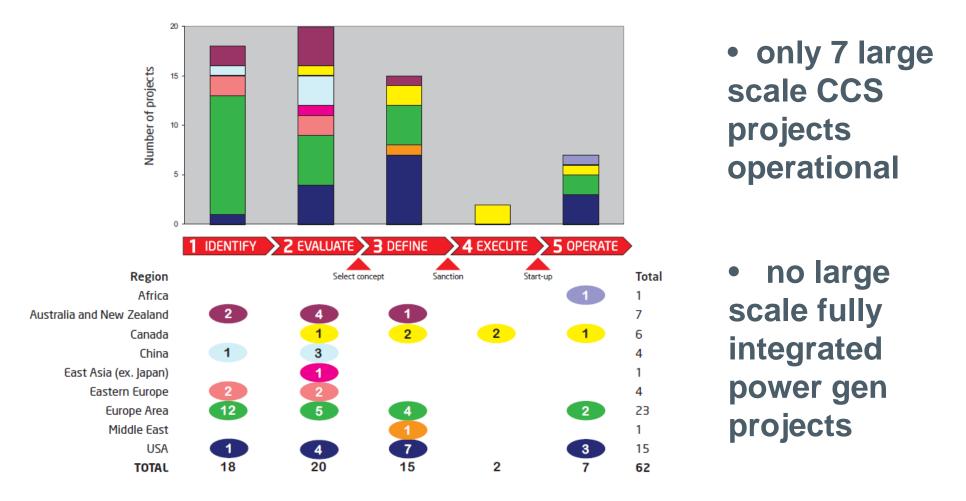


273 PROJECTS IDENTIFIED WORLDWIDE



64 commercial scale integrated projects

64 COMMERCIAL INTEGRATED PROJECTS



How to move the 50+ projects to implementation?

BARRIERS TO CCS DEPLOYMENT – AREAS TO FOCUS ON: 1

Storage

- improved identification and characterisation of suitable safe and reliable storage sites for projects
- national issue for many countries

Costs/Financing

- "Bridging the commercial gap" for CCS demonstration of a `first of a kind` nature
- Sustained `help` for projects until the `long term game` of stable carbon pricing is in place

Risk Mitigation

- Better understanding of risk for large scale demonstration
- Development of confidence for commercial deployment/investment

BARRIERS TO CCS DEPLOYMENT – AREAS TO FOCUS ON: 2

Legislation/Regulations

absence or weak policy and regulatory framework for CCS development and deployment

Technology

- continuing need for technology advancements, cost reduction
- very little experience in scale-up of technologies and their integration

Public acceptance

- there has to be an understanding of the need and support for CCS
- "not a given"

Infrastructure

- planning and access to transport infrastructure
- water availability and use becoming increasingly significant

