



# The Oil & Gas Climate Initiative CO<sub>2</sub> Storage Resource Catalogue

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OUR MEMBER COMPANIES



## This work is a deliverable from the Storage Work Group of the OGCI

- OGCI stands for Oil & Gas Climate Initiative
- [www.ogci.com](http://www.ogci.com)



## With expertise of

- Global CCS Institute
- Storegga



GLOBAL CCS  
INSTITUTE

**STOREGGA**

**Rationale for delivering the CO<sub>2</sub> Storage Resource Catalogue**

**Where we stand**

**How can stakeholders benefit from the Catalogue**

**Some conclusions and perspectives**

## Promote deployment of CCS

### Share CO<sub>2</sub> storage resource assessments

Open website

Build on public resource assessments

Classified through a publicly available system – the SRMS

### Provide clarity on CO<sub>2</sub> storage resources globally

Even for people not familiar with geosciences

### Promote the Catalogue as a global CO<sub>2</sub> storage resource repository

Through contributions from any evaluator willing to share their assessment

### How certain are we on CO<sub>2</sub> storage resources?

Resources have uncertainties, just like HC resources

Published resources usually have orders of magnitude of difference for the same formation

Different assessment methods deliver incompatible results

### How mature are the CO<sub>2</sub> storage resources?

Communicating resources or ranges in resources is not sufficient.

Resources may have very different maturities

- Ongoing CO<sub>2</sub> injection operations
- Infrastructures in construction
- Development under evaluation
- CO<sub>2</sub> storage prospective study, requiring appraisal campaigns

### All published assessments are to be uploaded in the Catalogue

Extracting critical parameters of the assessment

With a link to original reference

No OGCI reevaluation of the resources as such

### Resources types

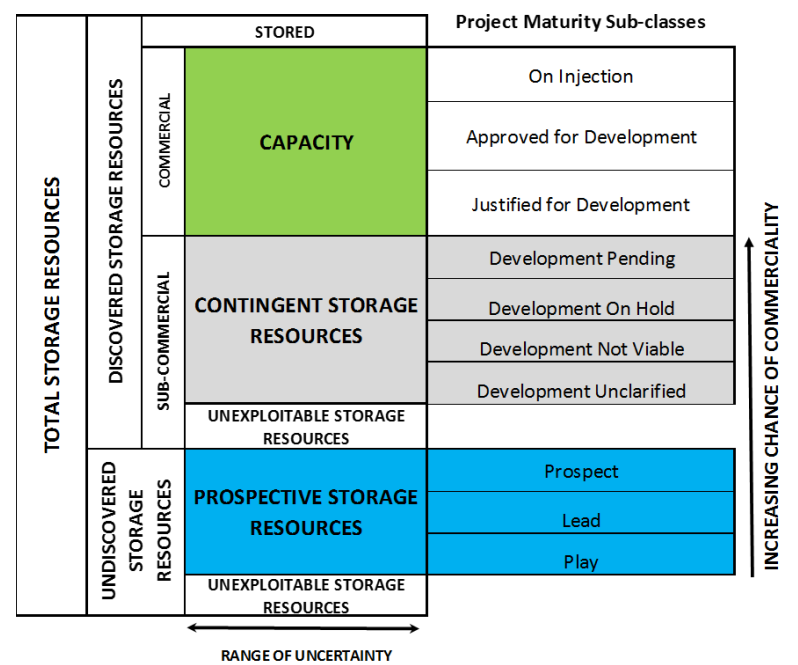
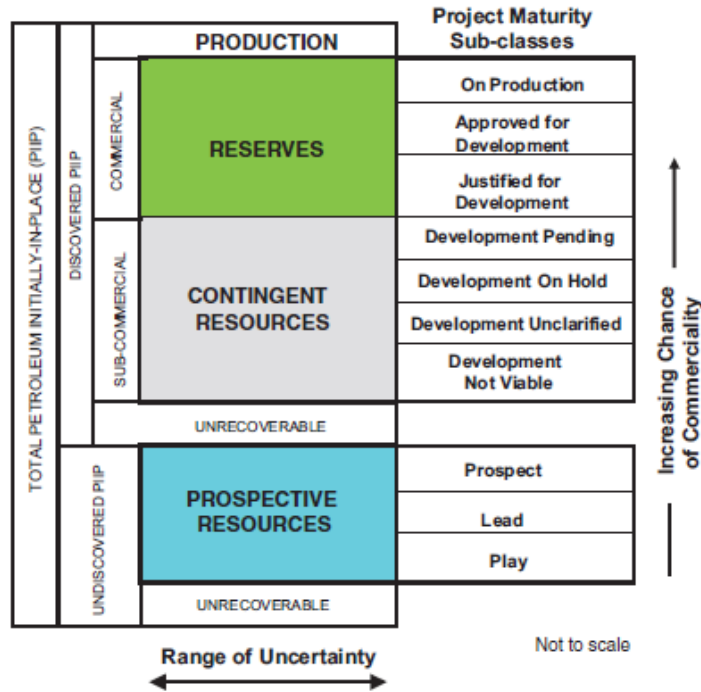
Saline aquifers and depleted reservoirs

### Project description

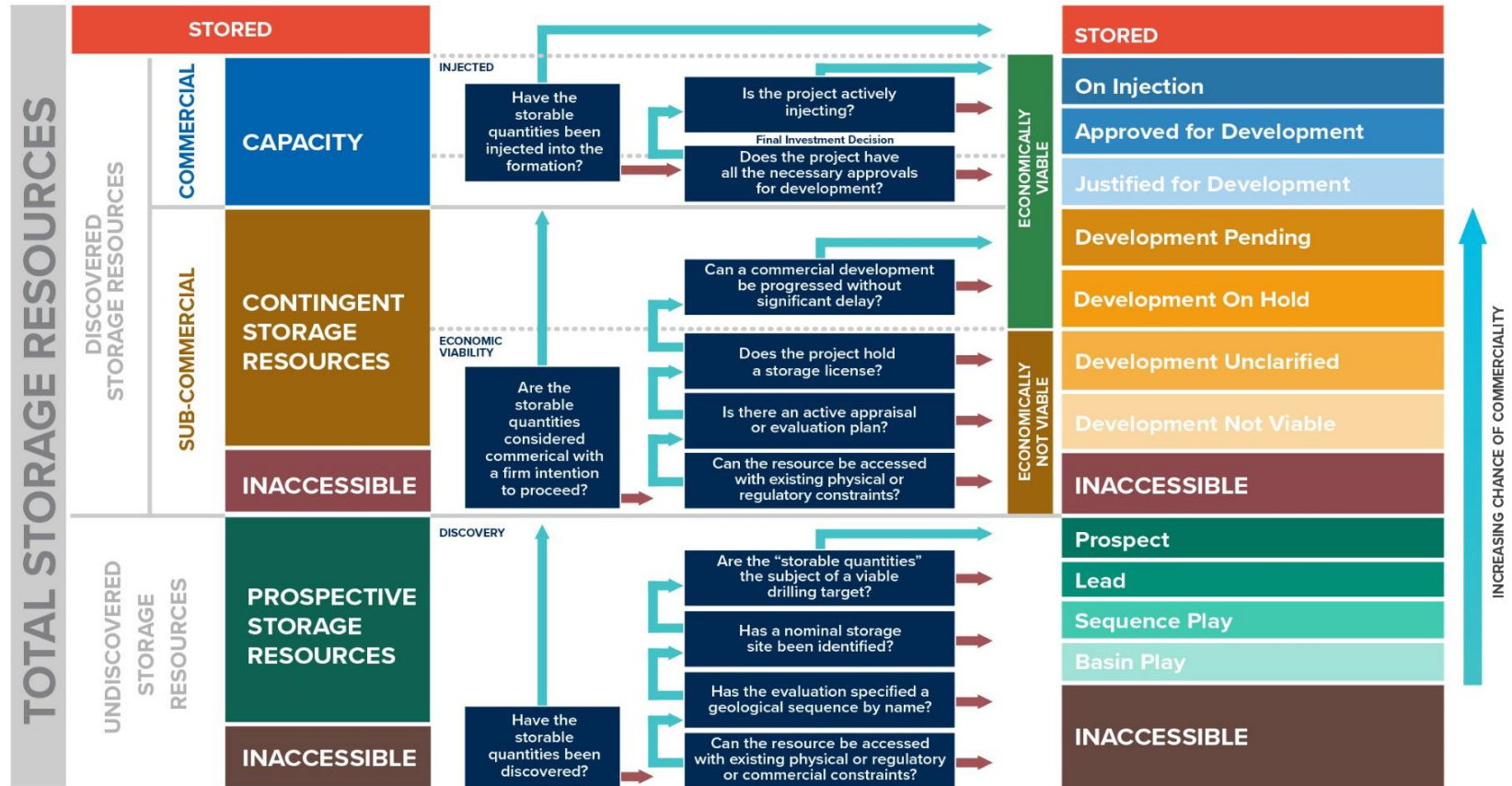
The catalogue provides the information of whether the resource is attached to a specified project (and associated infrastructure), and provides information of storage impacts (as CO<sub>2</sub> migration or pressurization)

# Rationale > CO<sub>2</sub> Storage maturity

We classify published resources with the SRMS of the SPE  
 Delivered in 2017, derived from the well deployed PRMS



# Rationale > CO<sub>2</sub> Storage maturity





### Programme initiated in 2017

### Annual cycles delivered since 2019

Online catalogue updated with resources uploaded for a set of countries, with the ambition to cover the full geography in 6 years

Full report online

- For a comprehensive review of resources currently classified in the Catalogue

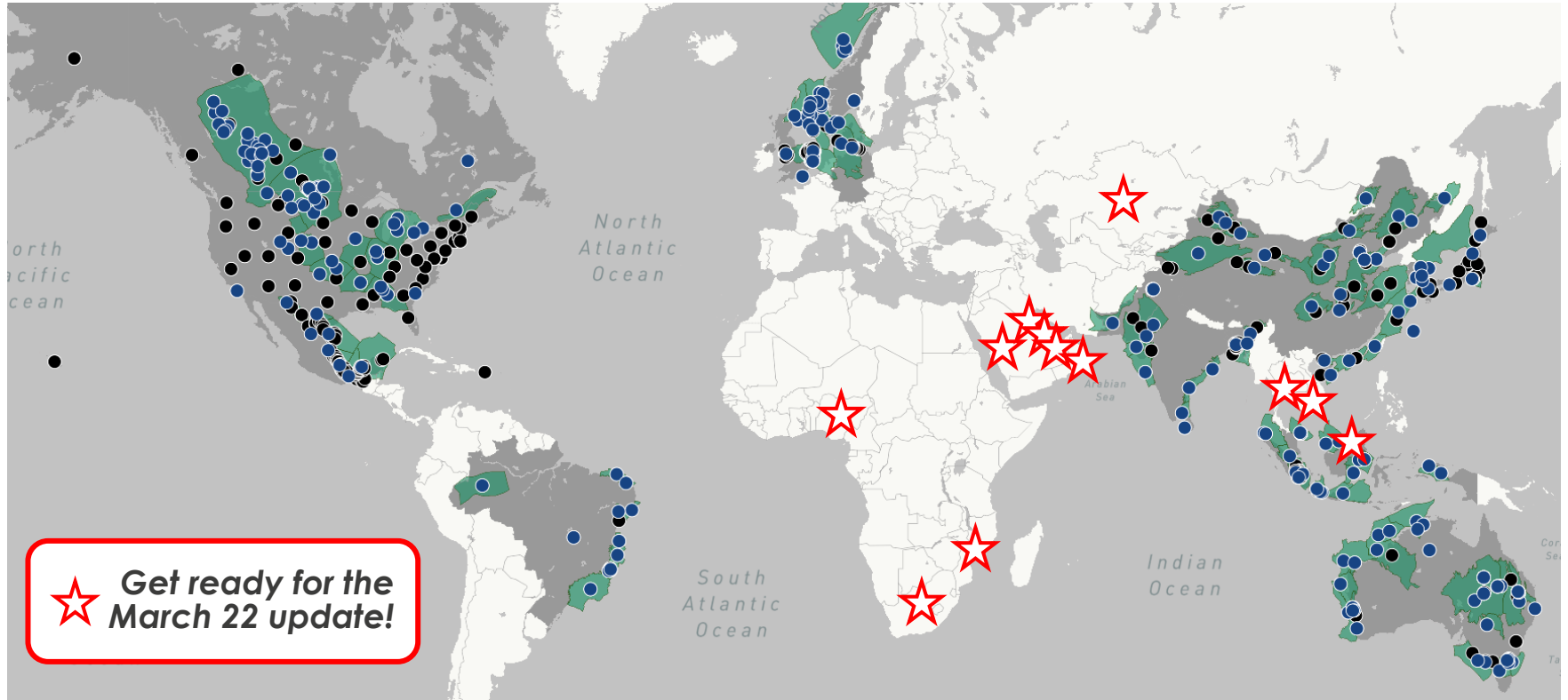
Methodology and glossary

FAQ

Data download available

- You can perform your evaluations on the resources

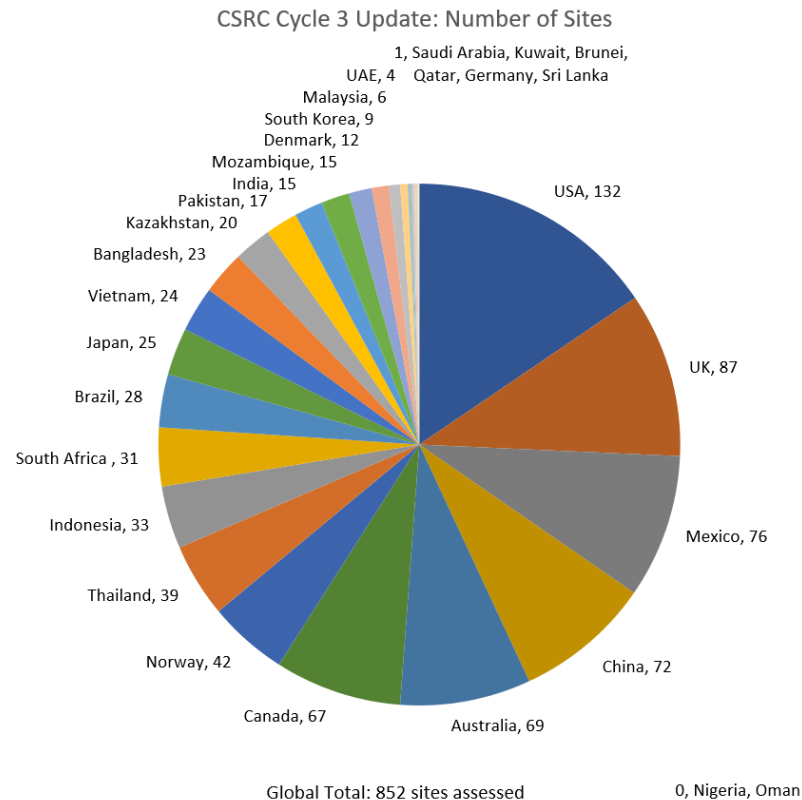
# Where we stand – mapping resources



# Where we stand – some provisional statistics of Cycle 3

**852 sites, 30 countries**  
**Aggregated resources**  
 Project specified 97 Gt  
 Full portfolio: 14 000 Gt

Classification	CO <sub>2</sub> storage resource (Gt)	
	Project and no project	Project specified
Stored	0.043	0.043
Capacity	0.21	0.21
Sub-Commercial	577	66.3
Undiscovered	13377	30.1
Aggregated*	13954	96.7



# How can Stakeholders Benefit from the Catalogue?

## Actions

- Drive progression to economically viable projects
- Adopt SRMS as standard

- Independent assessment of commerciality
- Confidence in resource

- Regional storage potential
- Source-sink matching

## Actions

- Evaluations are project-based and in the public domain
- Submit data to the Catalogue
- Adopt SRMS as standard

## Mature the Storage Resource

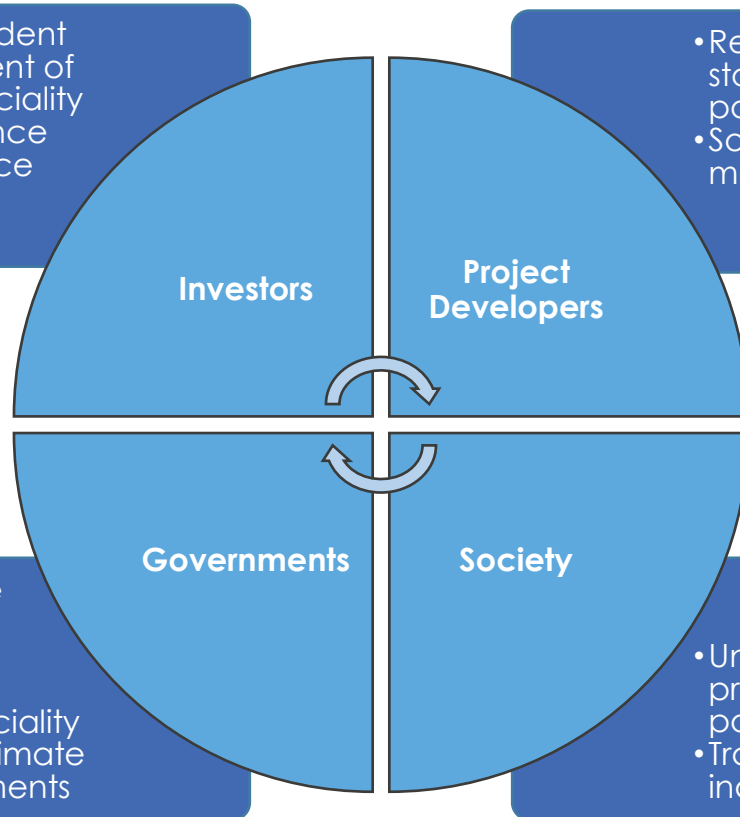
- Fund regional resource evaluation
- Develop regulation
- Develop commercial incentives

- Resource scale & maturity
- Route to commerciality
- Define climate commitments

- Understand progress and potential
- Transparent & independent

## Utilise the Storage Resource

- Visit the catalogue
- Data, Maps, FAQ
- [Interactive CO<sub>2</sub> Storage Resource Catalogue \(ogci.com\)](https://ogci.com/Interactive_CO2_Storage_Resource_Catalogue)



## Some final words

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**We hope you use it and you like it**

**You can help us to make it better**

Provide feedback

Perform your assessments using the SRMS

Describe the project that would deliver your assessment

Submit your assessments to the Catalogue

**Our ambition: A self sustained Catalogue for the CCS Community**