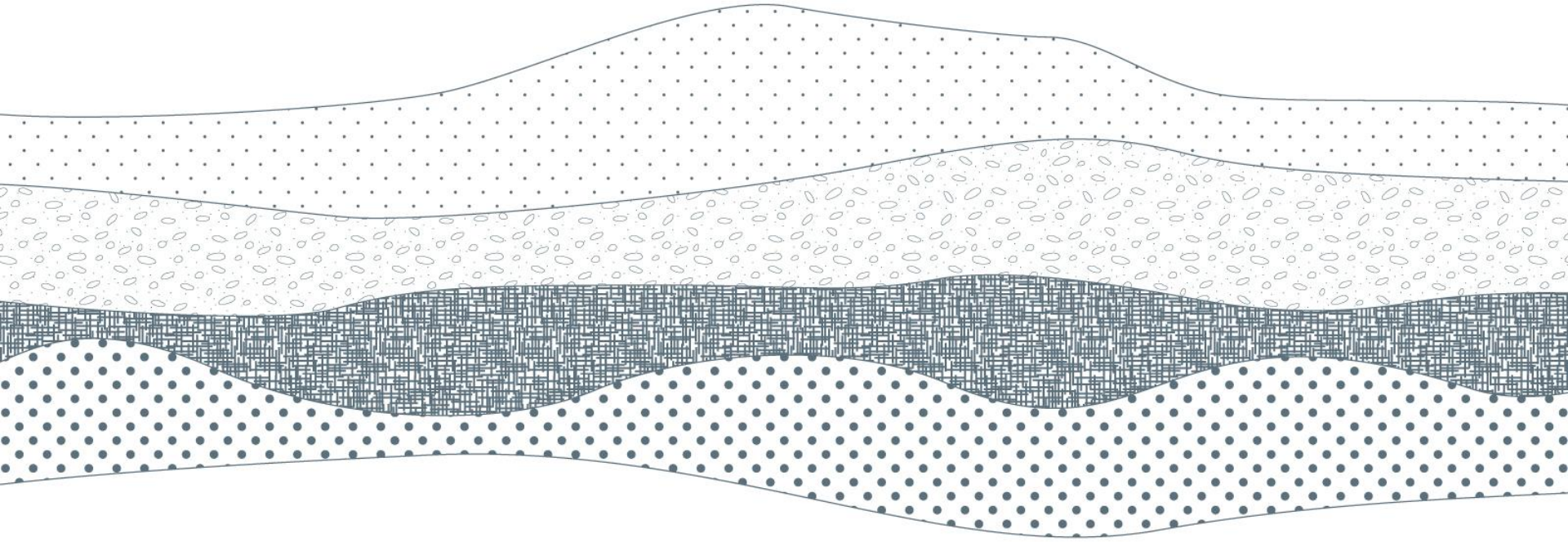




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THE GLOBAL STATUS OF CCS PROJECTS

Barry Jones – General Manager, Policy and Membership

IEA/CERT Workshop Carbon “Capture and Storage: Regaining Momentum”

Sydney, Australia, 20-21 February, 2012

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THE GLOBAL STATUS
OF CCS: 2011



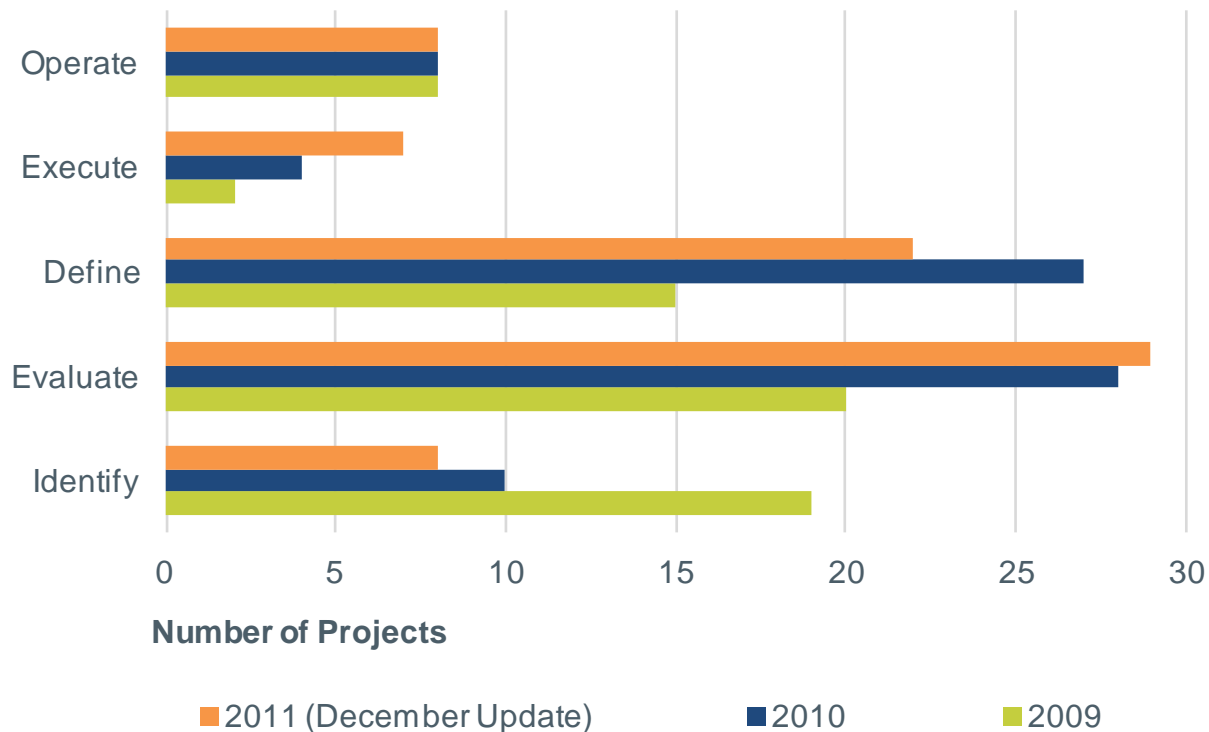
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GLOBAL STATUS OF LARGE-SCALE INTEGRATED CCS PROJECTS

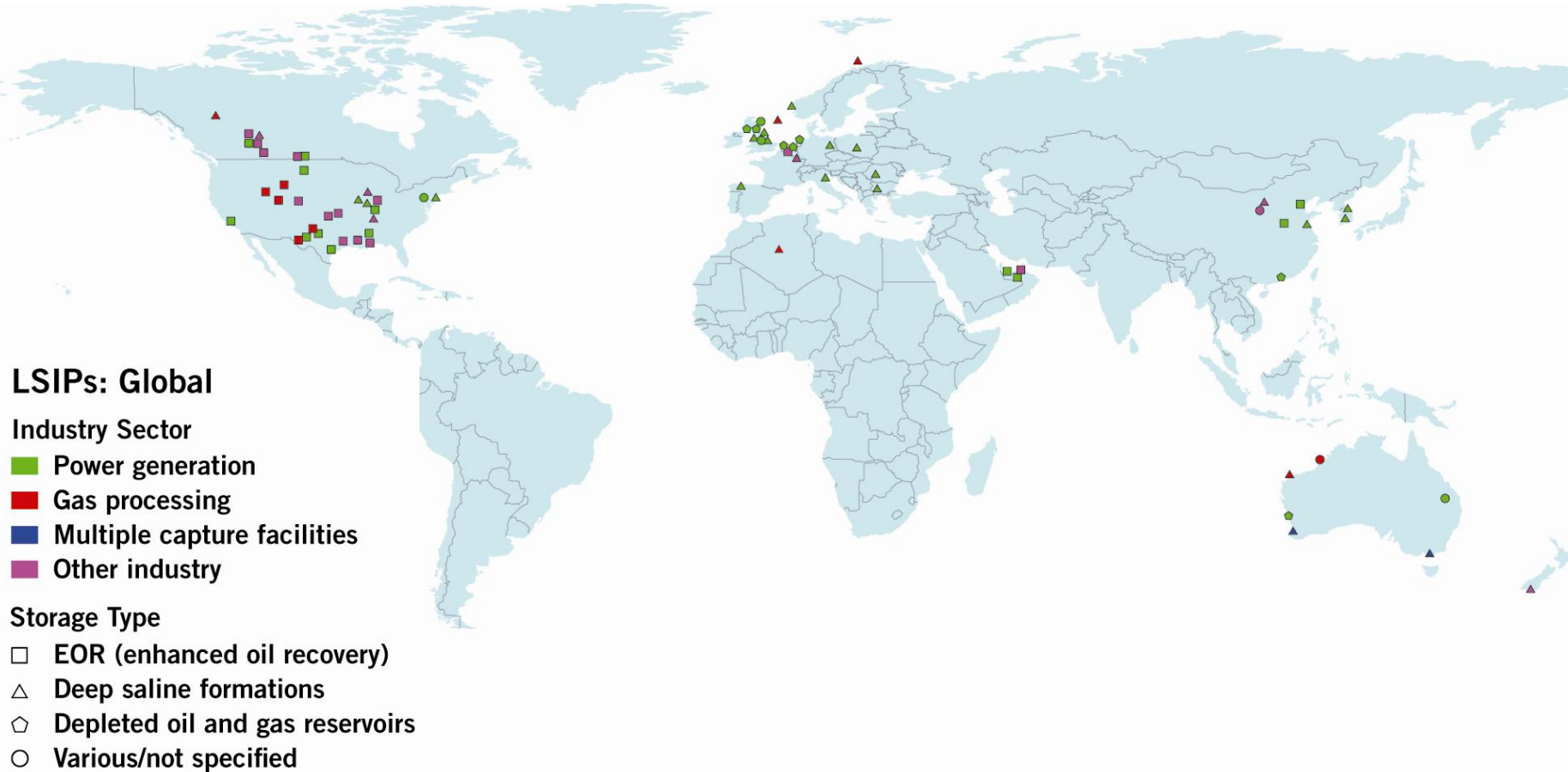
December 2011 update

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MEASURED PROGRESS OF LARGE-SCALE INTEGRATED PROJECTS SINCE 2009



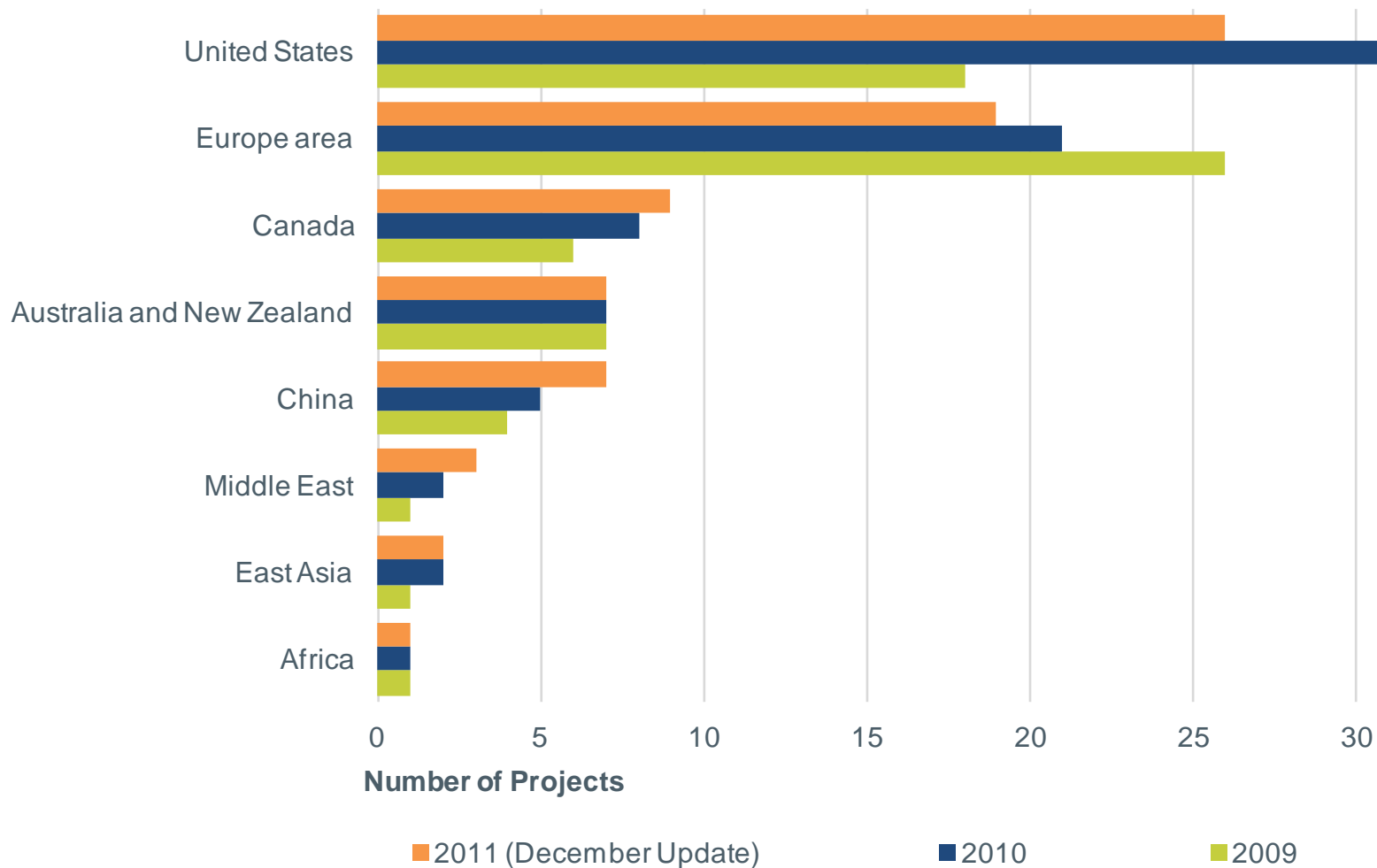
GLOBAL SPREAD OF PROJECTS



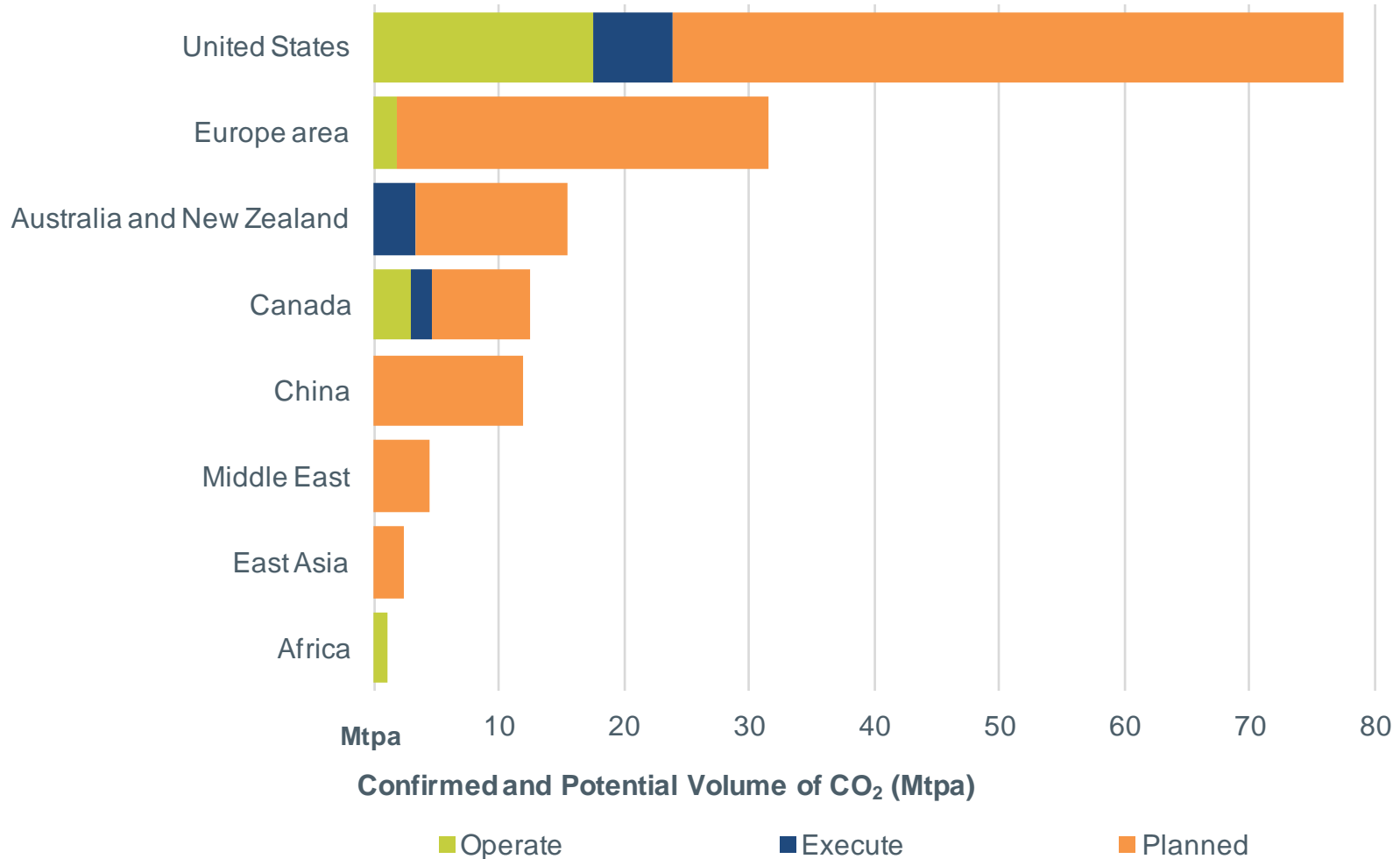
PROJECTS IN OPERATION OR CONSTRUCTION

PROJECT NAME	LOCATION	CAPTURE TYPE	VOLUME CO ₂ (Mtpa)	STORAGE TYPE	START DATE
In operation					
Val Verde Natural Gas Plants	United States	Pre-combustion (gas processing)	1.3	EOR	1972
Enid Fertilizer Plant	United States	Pre-combustion (fertiliser)	0.7	EOR	1982
Shute Creek Gas Processing Facility	United States	Pre-combustion (gas processing)	7	EOR	1986
Sleipner CO ₂ Injection	Norway	Pre-combustion (gas processing)	1 (+ 0.2 in construction)	Deep saline formation	1996
Great Plains Synfuels Plant & Weyburn-Midale	US/ Canada	Pre-combustion (synfuels)	3	EOR	2000
In Salah CO ₂ Storage	Algeria	Pre-combustion (gas processing)	1	Deep saline formation	2004
Snøhvit CO ₂ Injection	Norway	Pre-combustion (gas processing)	0.7	Deep saline formation	2008
Century Plant	United States	Pre-combustion (gas processing)	5 (+ 3.5 in construction)	EOR	2010
In construction					
Lost Cabin Gas Plant	United States	Pre-combustion (gas processing)	1	EOR	2012
Air Products Steam Methane Reformer EOR Project	United States	Pre-combustion (hydrogen production)	1	EOR	2012
Illinois Industrial Carbon Capture and Sequestration (ICCS)	United States	Industrial (ethanol production)	1	Deep saline formation	2013
Boundary Dam with CCS Demonstration	Canada	Post-combustion (power)	1	EOR	2014
Agrium CO₂ Capture with ACTL	Canada	Pre-combustion (fertiliser)	0.6	EOR	2014
Kemper County IGCC Project	United States	Pre-combustion (power)	3.5	EOR	2015
Gorgon Carbon Dioxide Injection Project	Australia	Pre-combustion (gas processing)	3.4 - 4	Deep saline formation	2015

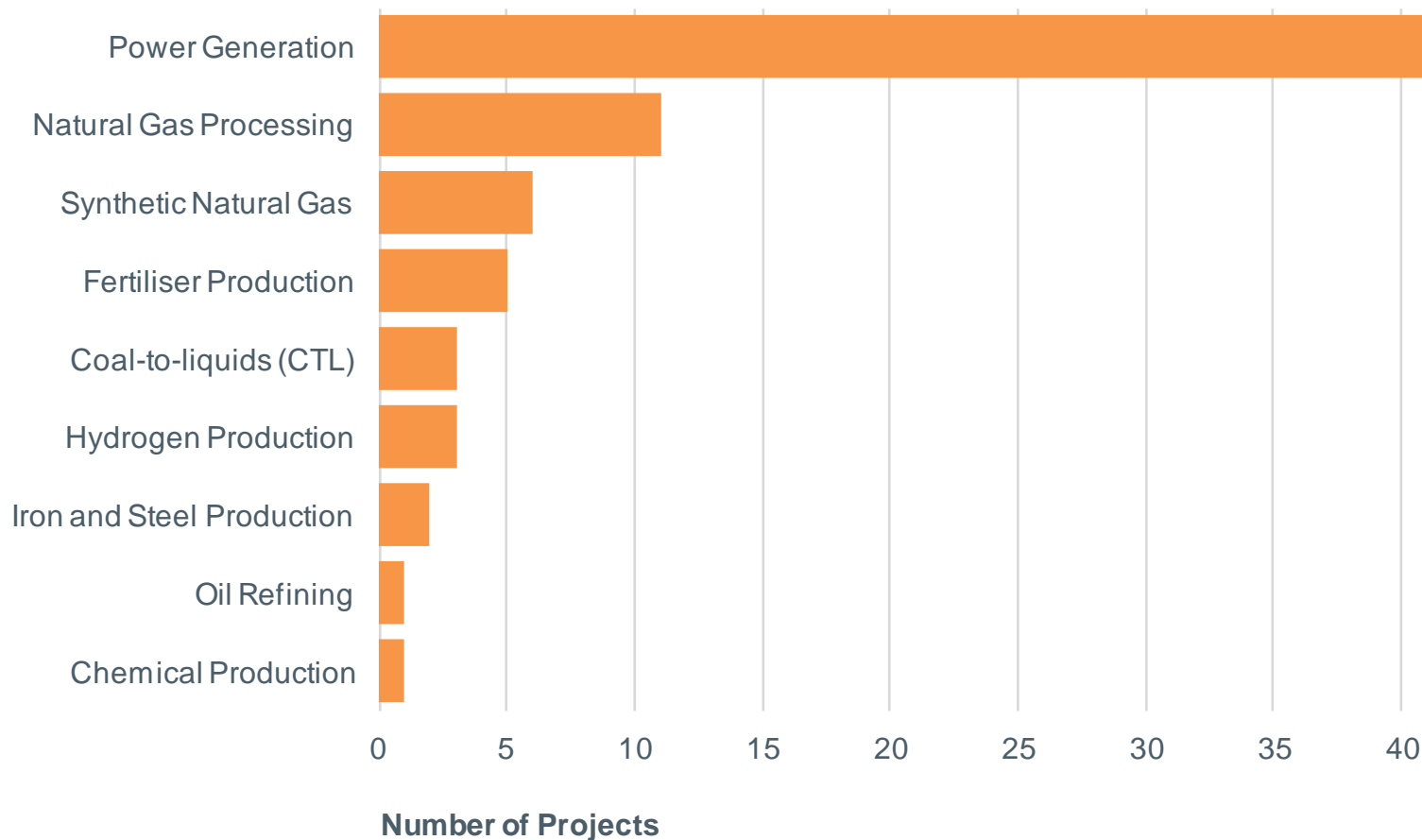
PROJECTS ARE IN A WIDE RANGE OF COUNTRIES



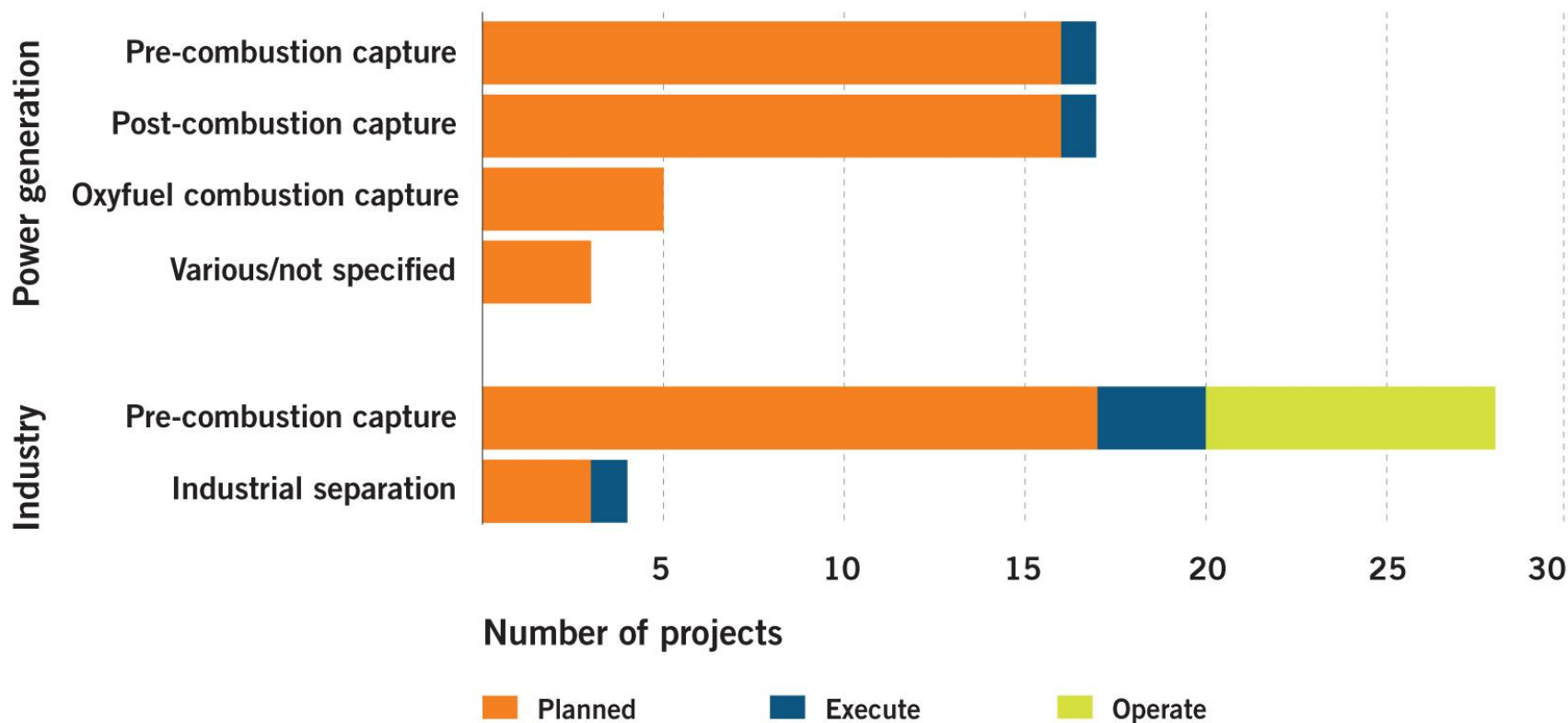
CO₂ IS BEING CAPTURED AND STORED



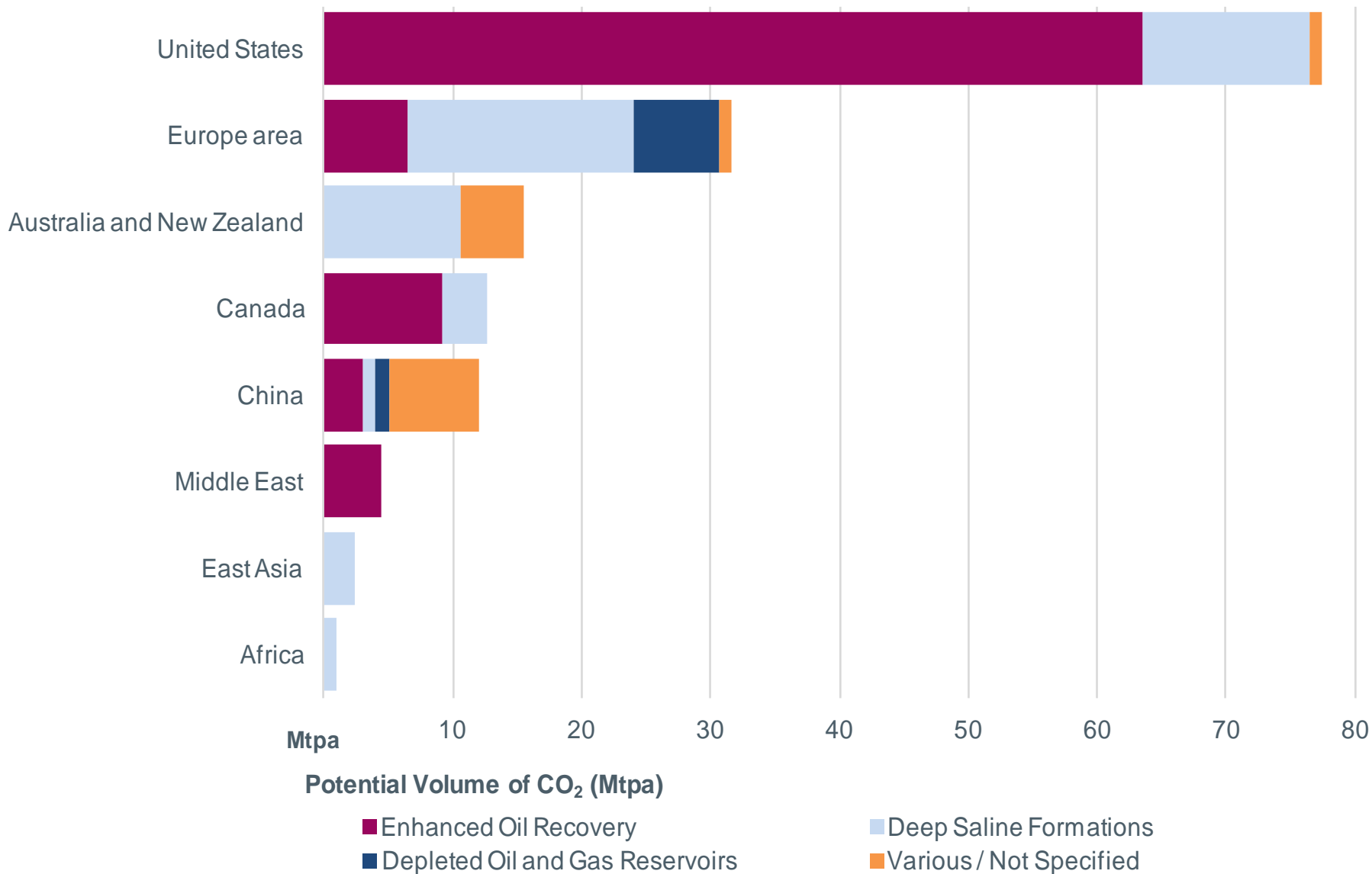
CONCENTRATION ON POWER GENERATION, BUT OTHER INDUSTRIES IMPORTANT TOO



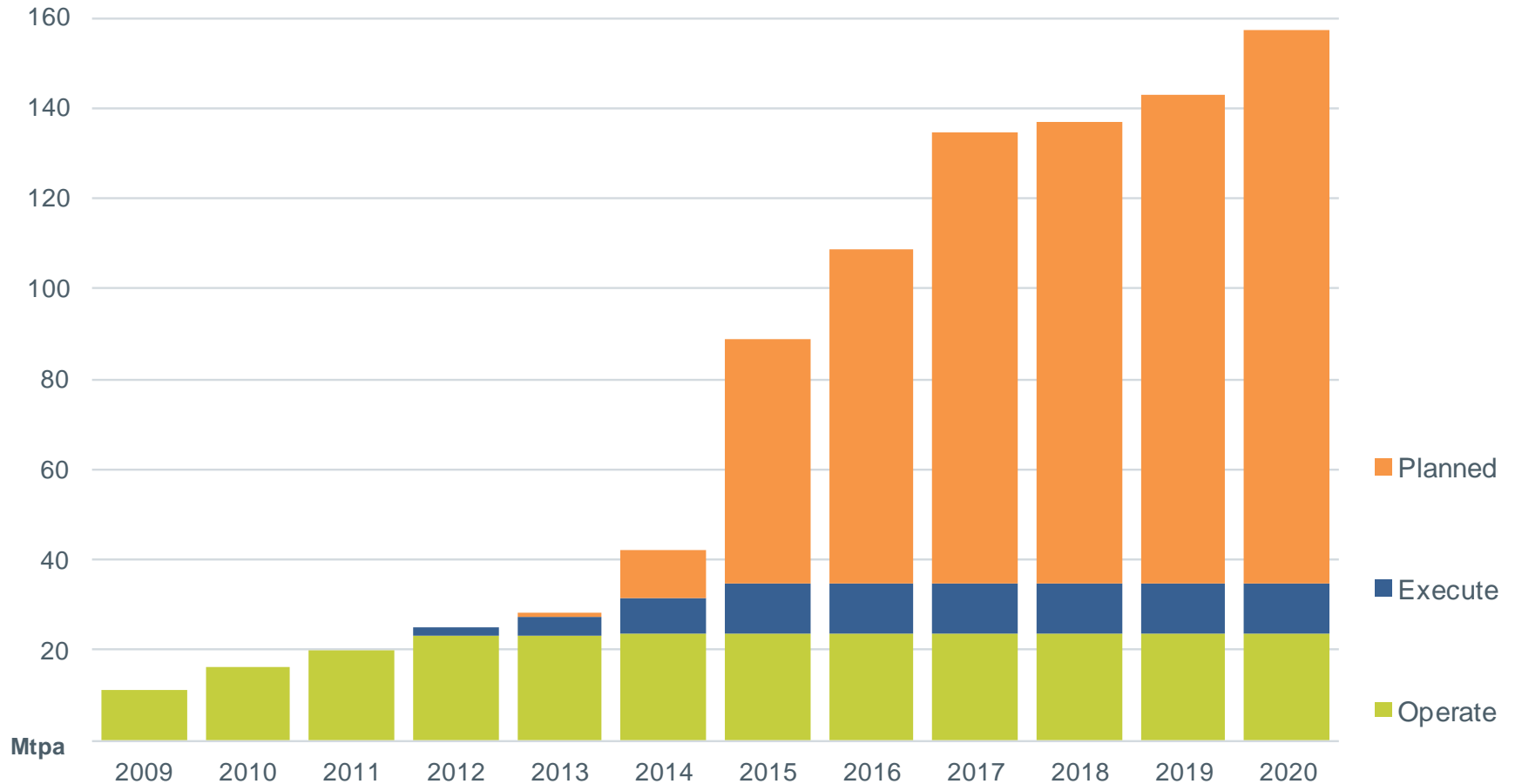
PROJECTS ARE SPREAD ACROSS TECHNOLOGIES



REGIONAL BIAS TOWARDS STORAGE TYPE



PROJECT DEPLOYMENT TIMEFRAMES



Confirmed and Potential Volume of CO₂ (Mtpa)

KEY MESSAGES

- CCS projects are operating today, in a number of industries and a number of countries
 - often when carbon capture is already part of the industrial process and where already well explored storage locations are available.
- Two power station CCS projects are now under construction, along with others in other industries.
- A number of other projects have indicated they could be in a position to decide on a final investment decision within 12 months.
- Planning and execution takes time, and all elements of CCS projects must be carefully integrated.



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