GLOBAL CCS INSTITUTE

Carbon Capture at a Crossroads

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Carbon Management Technology Conference

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The Current Narrative

E&E NEWS

Will CCS Ever Work?

HUFFPOST

Donald Trump Promised 'Clean Coal,' But It Doesn't Exist

The New York Times

Companies Struggle to Make Carbon Capture Viable

SCIENTIFIC AMERICAN

Carbon Capture May Be Too Expensive to Combat Climate Change

MORNING CONSULT

Congress, White House Drag Feet on Support for Carbon Capture Expansion

Bloomberg

Will Trump Make This $7 Billion Clean-Coal Plant Irrelevant?

Forbes

Carbon Capture: An Expensive Option For Reducing U.S. CO_2 Emissions

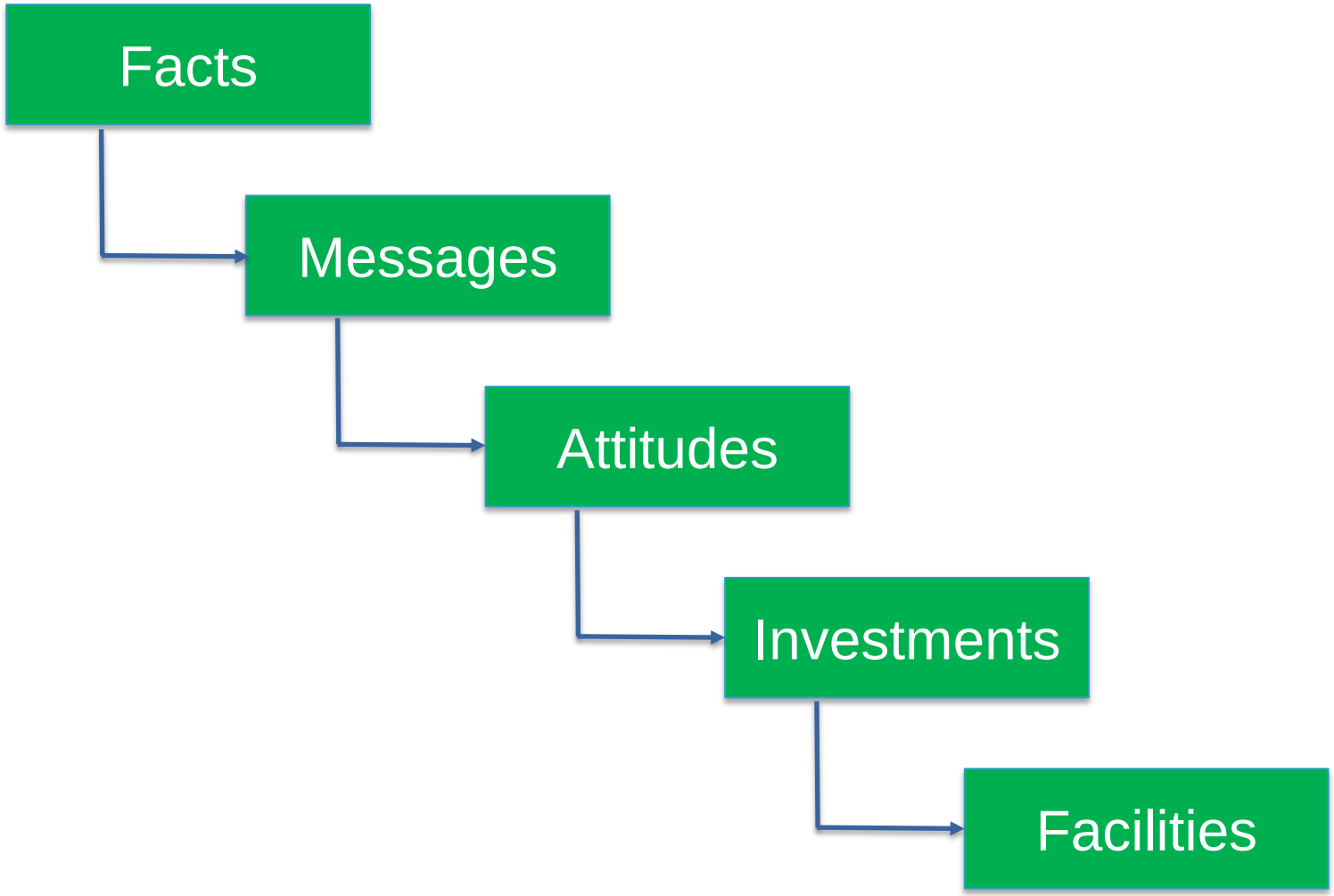
Mashable

Michael Bloomberg calls 'BS' on clean coal technology

FINANCIAL TIMES

Carbon capture and storage — too little, too late, too expensive

Getting from Facts to Facilities



The Language We Use

It is better to be <u>understood</u>
than to be comprehensive

Keep it Simple

SECU

CCUS

WECU

Congressional Survey – Does Carbon Capture Work?

- **Language** – “CCS” is not an easily identified term
- **Cost** – widely held belief that CCS is too expensive
- **Climate change**
  - extends use of fossil fuel
  - Important option to address climate change
- **Safety** – risks not well understood

Positive Language, Supported by Facts

Proven

Affordable

Versatile

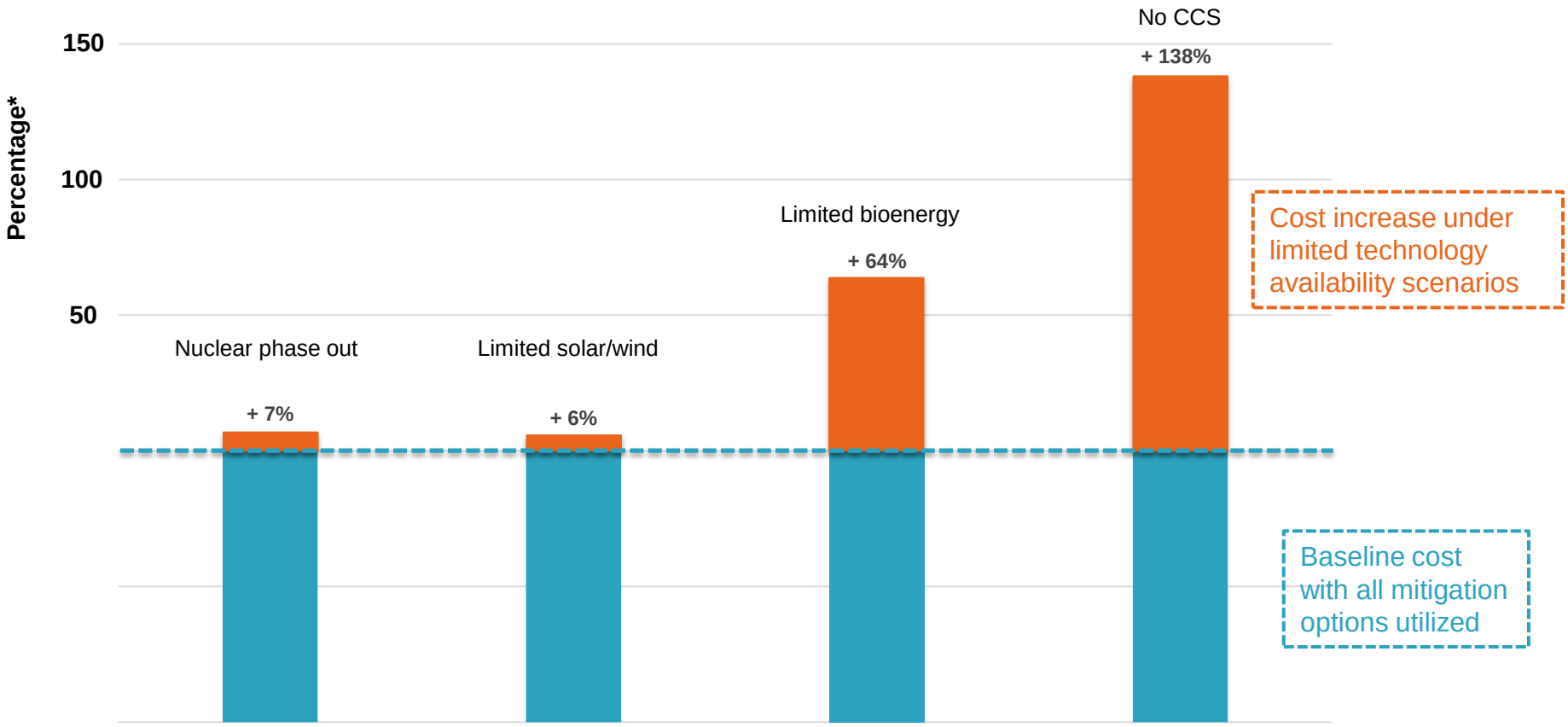
Essential

Proven

17 large-scale facilities
35+ million tonnes/yr

Affordable

Without CCS, cost of mitigation more than doubles

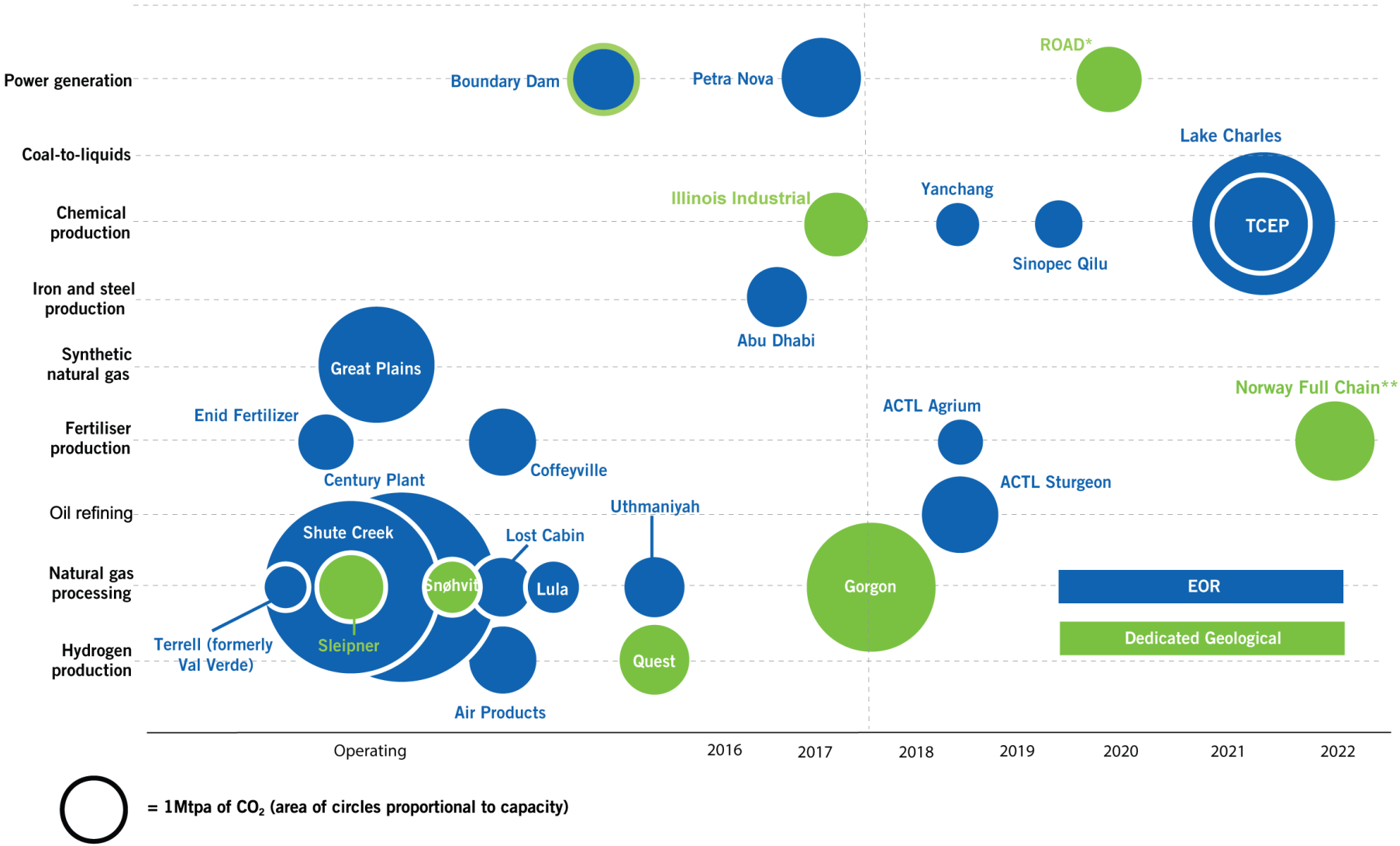


*Percentage increase in total discounted mitigation costs (2015-2100) relative to default technology assumptions – median estimate

Source: *IPCC Fifth Assessment Synthesis Report, Summary for Policymakers, November 2014.*

Versatile

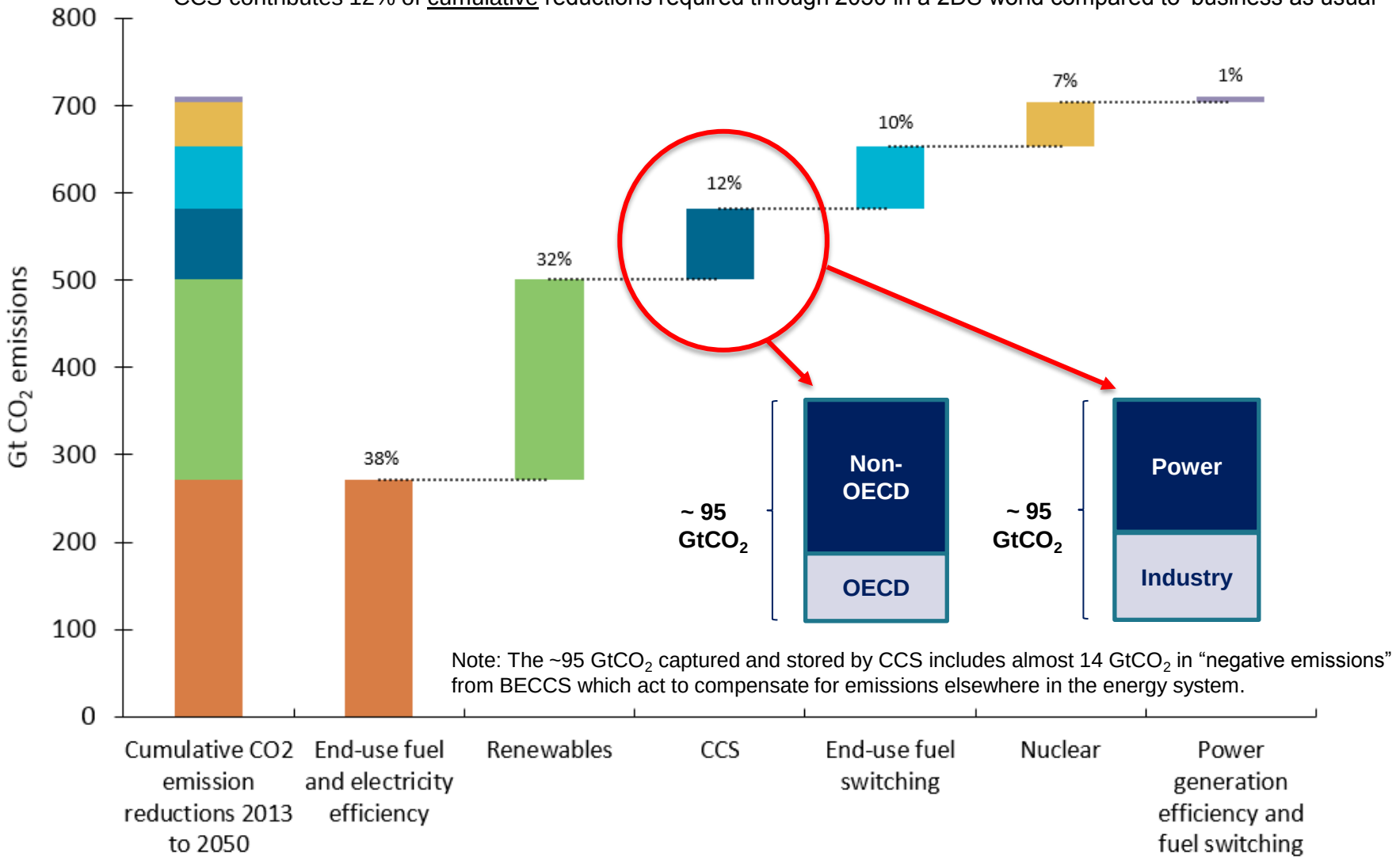
CCS can be used across many industries



Essential

Numerous authorities say we can't achieve 2DS without it

CCS contributes 12% of cumulative reductions required through 2050 in a 2DS world compared to 'business as usual'



Note: The ~95 $GtCO_2$ captured and stored by CCS includes almost 14 $GtCO_2$ in "negative emissions" from BECCS which act to compensate for emissions elsewhere in the energy system.

Source: *IEA, Energy Technology Perspectives (2016)*

Join the Underground

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