

Carbon Sequestration Leadership Forum

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CSLF Incentives Registry and Integrated Demonstration Project Database

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Policy Group Requests to Secretariat in Cape Town, April 2008:

1. Create a registry of economic and financial incentives
2. Create a database of demonstration projects



Development of Incentives Registry

1. Developed
 - Classification system for incentives
 - Reporting format
2. Requested information from Policy Group delegates
3. Conducted literature/internet search on incentives
4. Verified information with delegates and other experts
5. Posted registry on the CSLF website

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Example Incentive Report



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Completed by: **CSLF Secretariat**
Email address: cslfsecretariat@hq.doe.gov

Date of Report:	February 18, 2009
JURISDICTION:	Province of Alberta, Canada
TYPE OF INCENTIVE:	2.a.i. Investment and trust funds
CITATION:	Alberta Department of Energy Carbon Capture and Storage Program
STATUS:	Deadline to submit Full Project Proposals is March 31, 2009
TIME FRAME Start:	Grantees to be announced June 30, 2009
TIME FRAME End:	
DESCRIPTION:	<p>The Canadian Province of Alberta has set aside C\$2 billion to support (up to 75% of costs) the building of three to five approved new carbon capture and storage demonstration projects that will start to permanently store up to 5 million tons of carbon dioxide by 2015. The CO₂ must remain stored for a period of at least 10 years. All projects must be located in Alberta and any portion outside of Alberta will be ineligible under this program.</p> <p>Funds dispersed by the Alberta government prior to the commencement of operations of an approved project will be limited to a maximum of 40% of the total approved funding for the project and will be paid on specific project milestones, as specified in the grant agreement.</p> <p>A maximum of 20% of the total approved funding for the project will be paid on commencement of the operations, and the remaining percentage will be disbursed as CO₂ is captured and disposed, over a maximum of 10 years.</p> <p>Revenue received by the project on the sale of CO₂, emissions credits, etc. will reduce allowable costs upon which the grant is based.</p>
EXPERIENCE:	For a list of who was asked to apply click here
LINKS AND CONTACTS:	http://www.energy.alberta.ca/Org/pdfs/CCS_FPPInfo.pdf

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<http://www.cslforum.org/incentivesregistry/index.html>

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Summary of Incentives by Jurisdiction

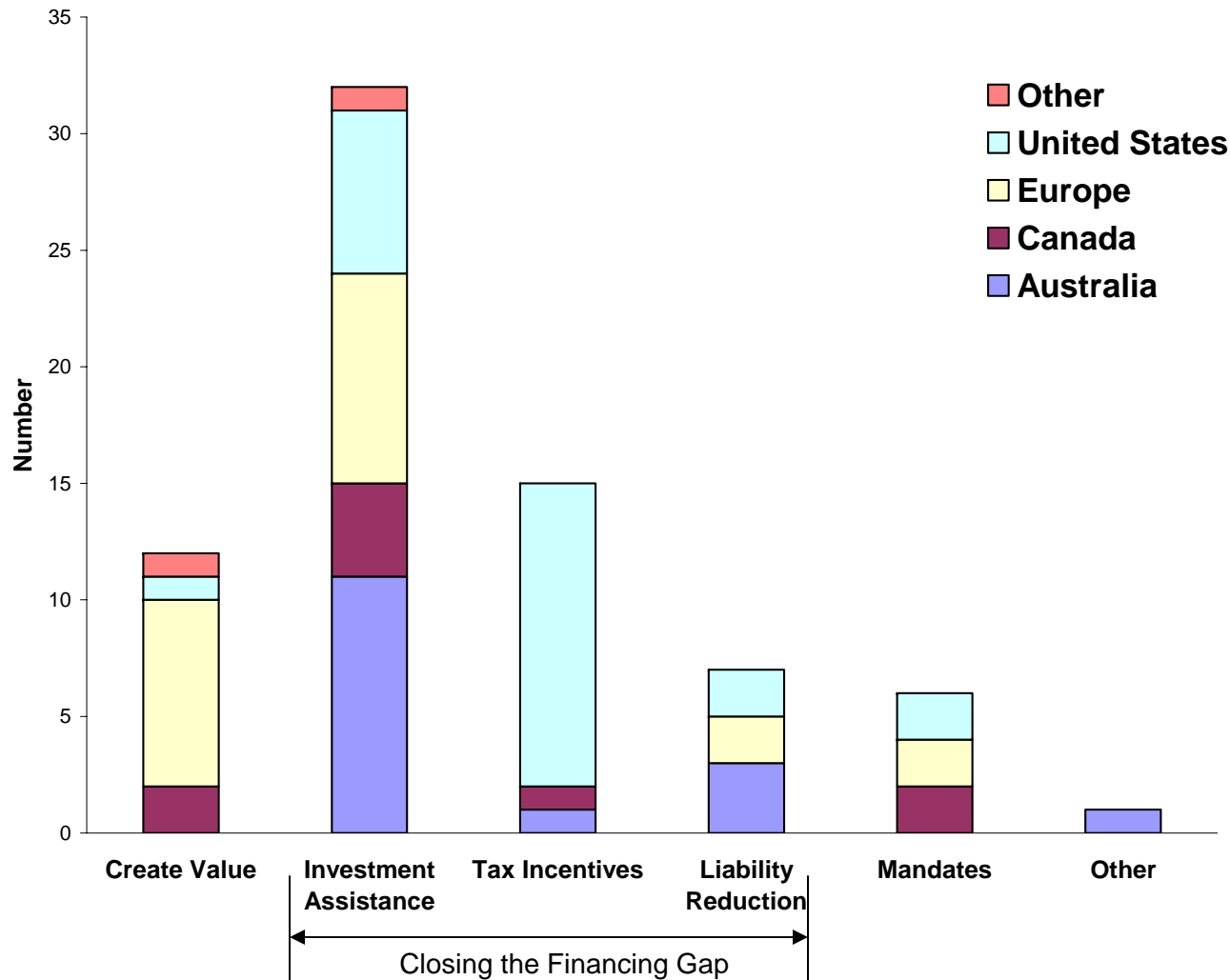
Jurisdiction		Number
Australia	Federal	7
	State	8
	<u>Private</u>	<u>1</u>
	Total	16
Canada	Federal	5
	<u>Provincial</u>	<u>4</u>
	Total	9
Europe	European Union	12
	EU Members	5
	<u>Europe Non-EU</u>	<u>4</u>
	Total	21
United States	Federal	8
	<u>State</u>	<u>17</u>
	Total	25
Other		2
TOTAL		73

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Summary of Incentives by Type



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Potential Uses of the Registry

- Compare incentives in different jurisdictions
- Starting point for analyses of incentives
- Track use of incentives for CCS over time
- Identify sources of more detailed information

Recommendation: Update registry on an ongoing basis.



Integrated Demonstration Project Database

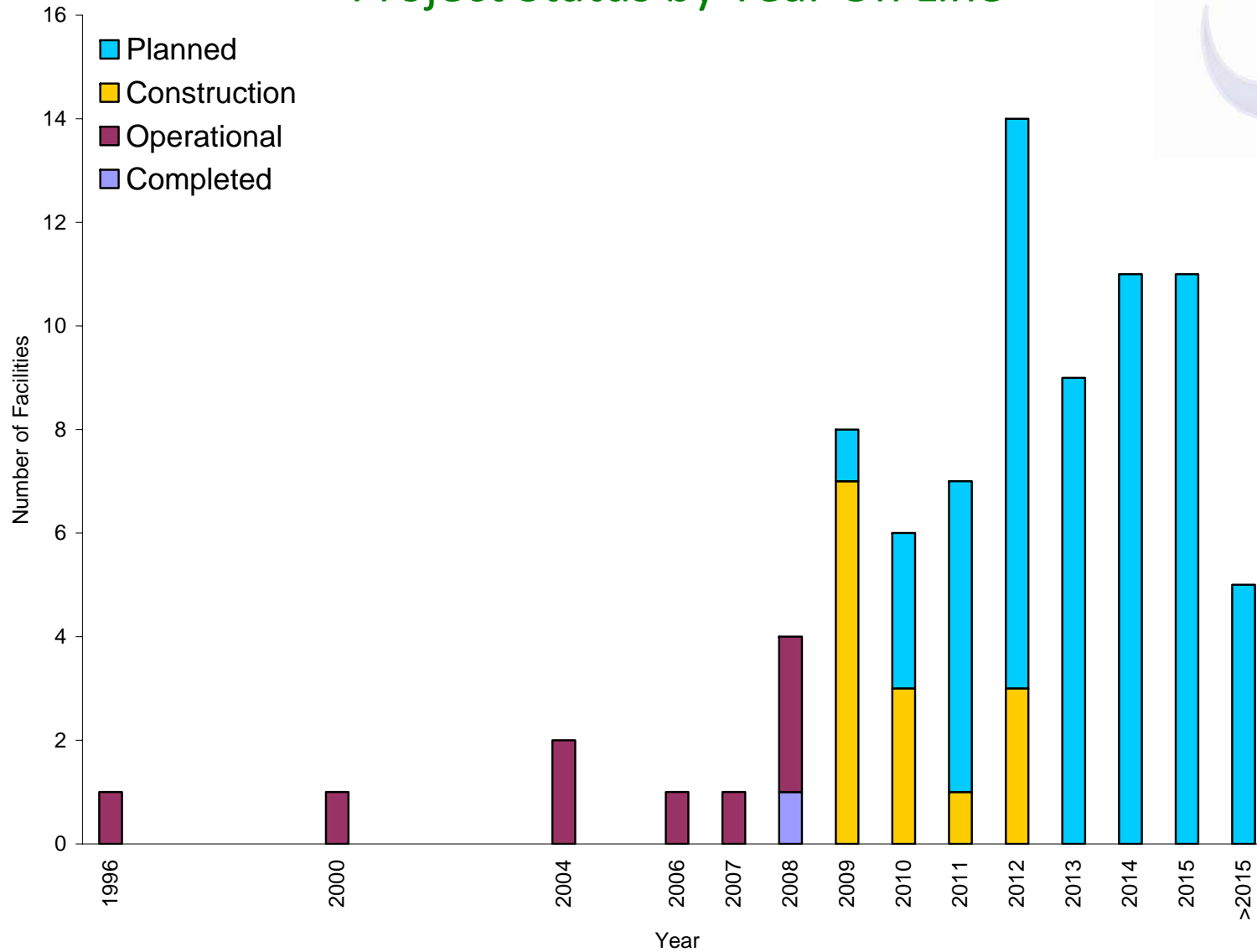
- Many definitions of “demonstration projects”
- Criteria for inclusion:
 - Integrates both capture and storage
 - All sizes, status and types of facilities
 - Information available from publicly-available data
- Assemble information from publicly-available databases and press reports
 - Vary widely in content, quality and timeliness
 - Sometimes contradict each other

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Project Status by Year On Line

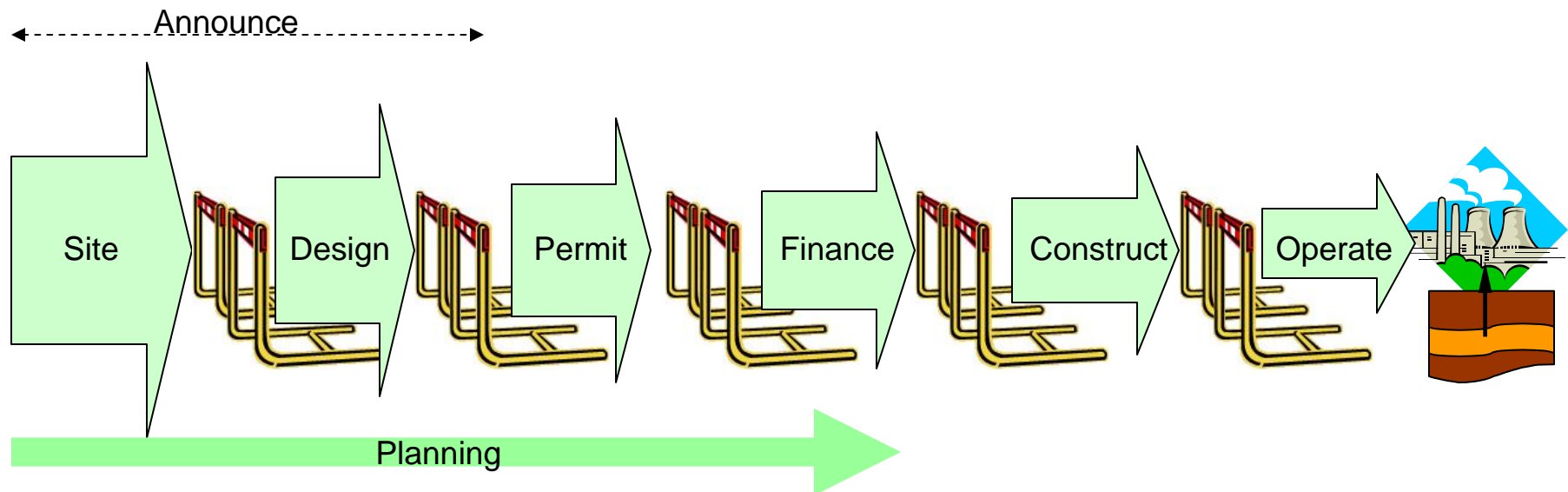


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Not all announced plants will go into operation...



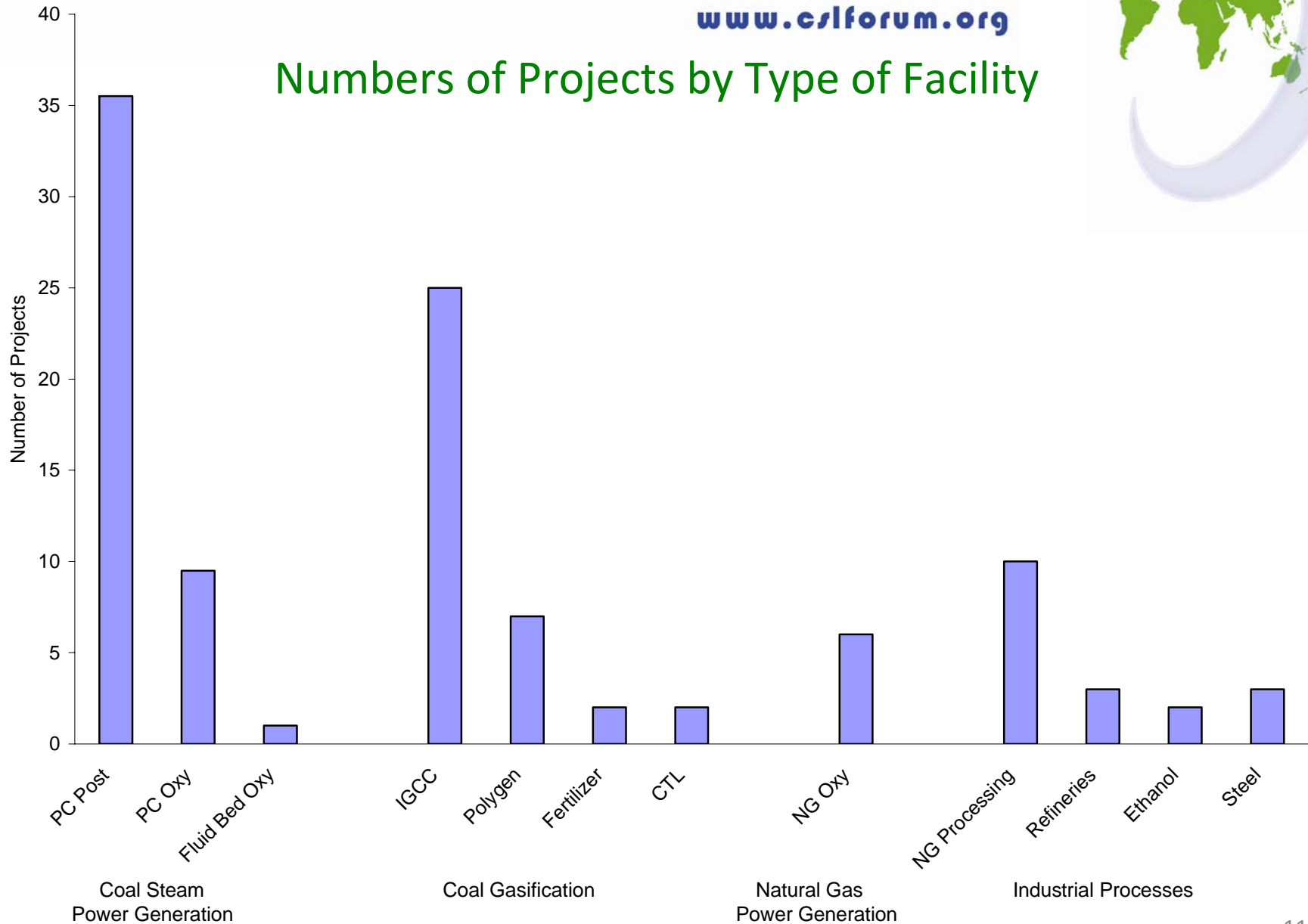
*Database captures plants in each status,
but making distinctions in status is difficult.*

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Numbers of Projects by Type of Facility

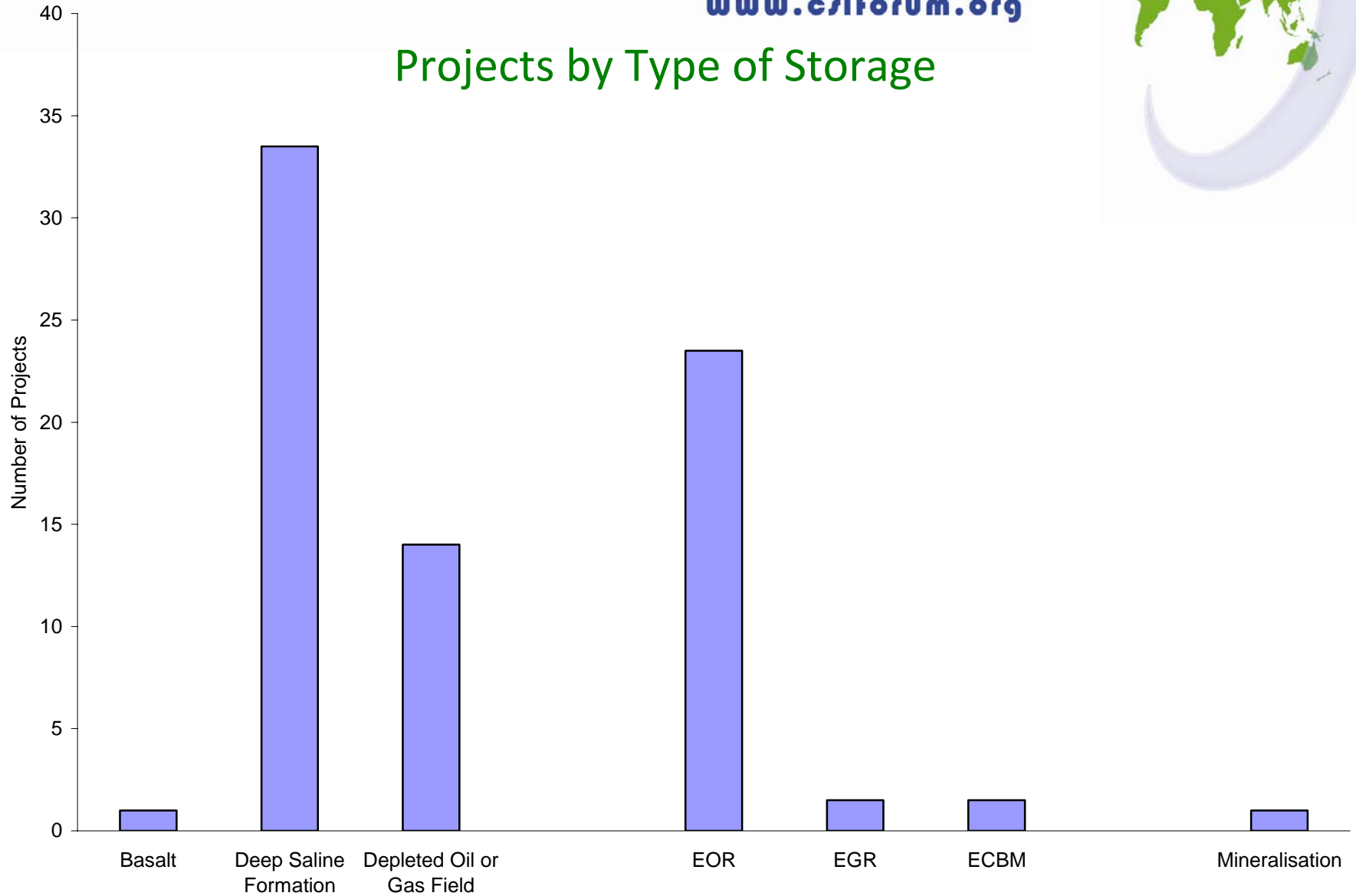


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Projects by Type of Storage





Integrated Demonstration Project Database

- Many integrated CCS projects are proposed around the world.
- Most are in planned status; not all will be built.
- Publicly-available data quality on these projects varies widely.
- CSLF Integrated Demonstration Project Database can:
 - Provide as comprehensive an overview as possible,
 - Allow projects to be identified and compared.



Recommendation

- Update the database on an ongoing basis
- Further refine and validate the information reported
- Use the updated database as the starting point for tracking projects for the G8 demonstration project process
 - Integrate with CSLF/IEA/GCCSI activities
 - Encourage projects to provide information



Policy Group Decisions

1. Should incentives registry be updated on an ongoing basis?
2. Should the updated Integrated Project Database be
 - Updated on an ongoing basis?
 - Used to facilitate the G8 process?