



The Global Carbon Capture and Storage Institute GCCSI

Position and Update as March 2009

Nick Otter

CEO of Global CCS Institute

CSLF Technical Group Meeting, Oslo 1-2nd April 2009

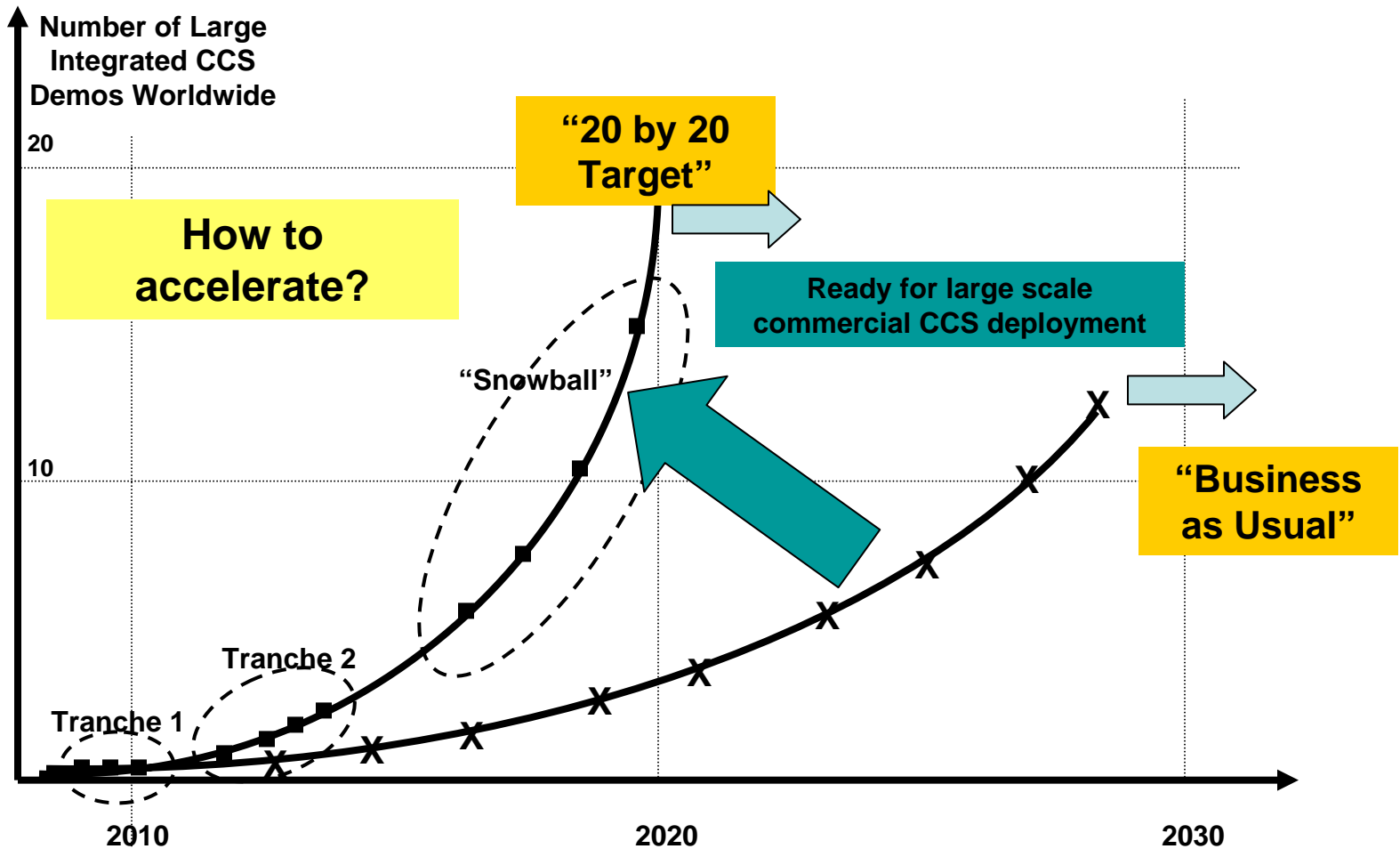


Mandate and Objectives

- Acceleration of the global adoption of safe, commercially and environmentally sustainable CCS
- Drive co-operation to deliver a diverse portfolio of 20+ fully integrated industrial scale demonstration projects by 2020 :
 - Across a range of emitters
 - Across a range of technologies
 - Along the entire capture, transport and storage chain
- Work in concert with existing bodies to overcome barriers to broad industrial scale deployment of CCS
- Be responsible for effective sharing of non-proprietary knowledge of CCS among shareholders and interested parties

The GCCSI is a global action

Initial Focus of GCCSI





History and Background to date

- **19th September 2008** : Announcement the Australian Prime Minister Kevin Rudd to form a Global Institute addressing the acceleration of the deployment of CCS worldwide
- **24-25th November 2008** : Preparatory stakeholder workshop held in London to refine the initial planning work, following a series of preliminary meeting indicating of a high level of support worldwide meeting attended by over 160 people from 40+ countries
- **12th January 2009** : Interim management team established to implement the foundation of the GCCSI CEO/Nick Otter and Deputy CEO/Dale Seymour (now replaced by Bob Pegler).

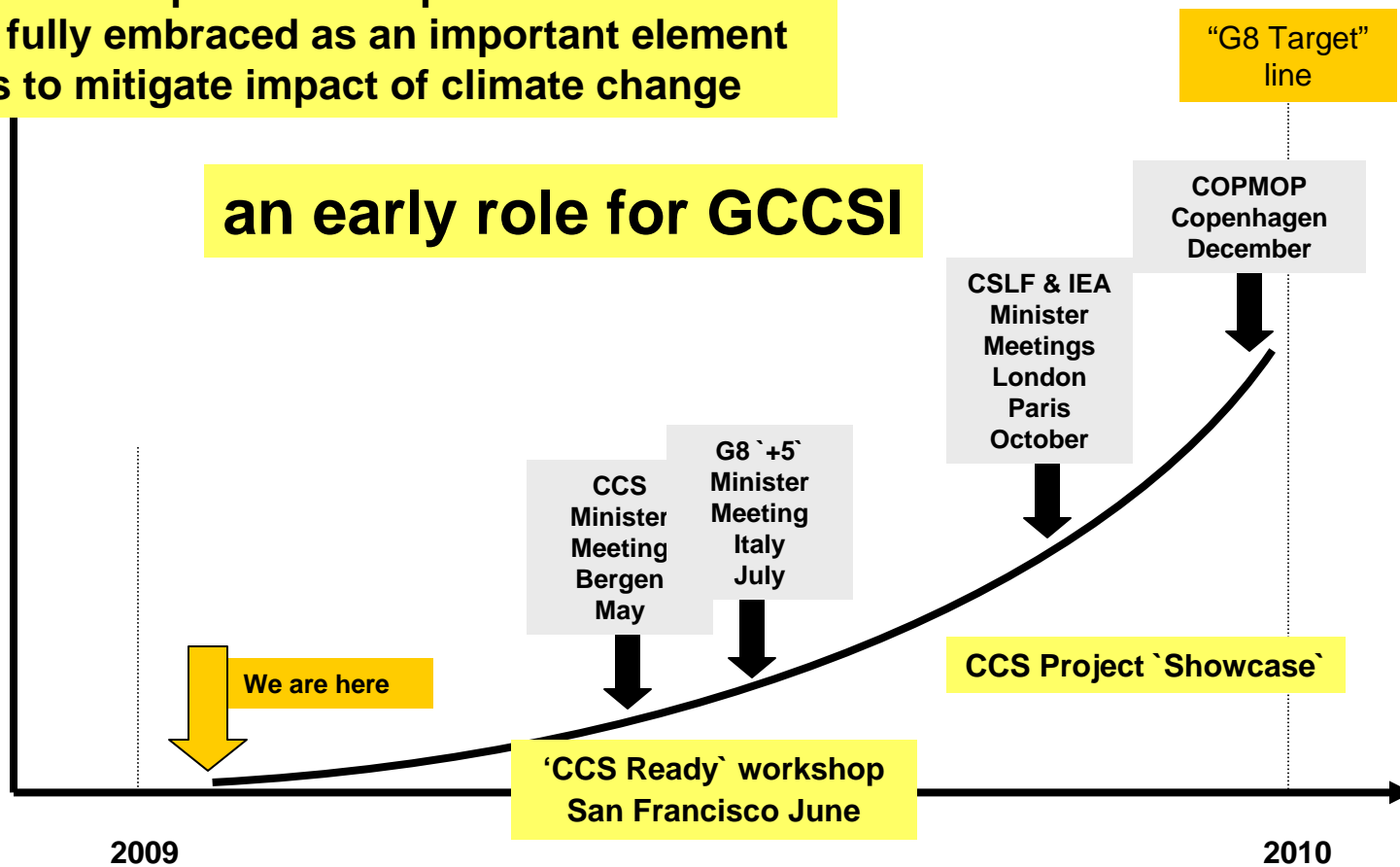
early days for the GCCSI

- Interim team of ~25 established on 2nd February 2009 to :
 - Set the `trajectory` for the new Institute into the future
 - Define an initial work programme to establish the basis for the activity of the GCCSI in the context of a longer term time frame
 - Continue to attract participating countries, companies and organisations and manage their engagement
 - Establish legal entity of GCCSI by mid-2009 as a non governmental body with an acceptable governance structure
 - Prepare the way for establishment of the permanent team
 - Provide input into the important international actions of 2009

2009 : an extremely important year

Key Inputs and positions required to ensure that CCS is fully embraced as an important element of tools to mitigate impact of climate change


an early role for GCCSI





Added Value of GCCSI

- Brings a much needed resource to bear into an arena that is very much in need of it
 - budget commitment of 100m A\$ pa (~50m euro pa) from Australian Government
 - provide initially financial support but increasingly through resource to address removal of barriers to deployment of CCS
 - provide full time funded expertise to assist in demonstration CCS project implementation embracing full CO₂ value chain
 - underpin and expand the capability within other international actions including those of the IEA and CSLF

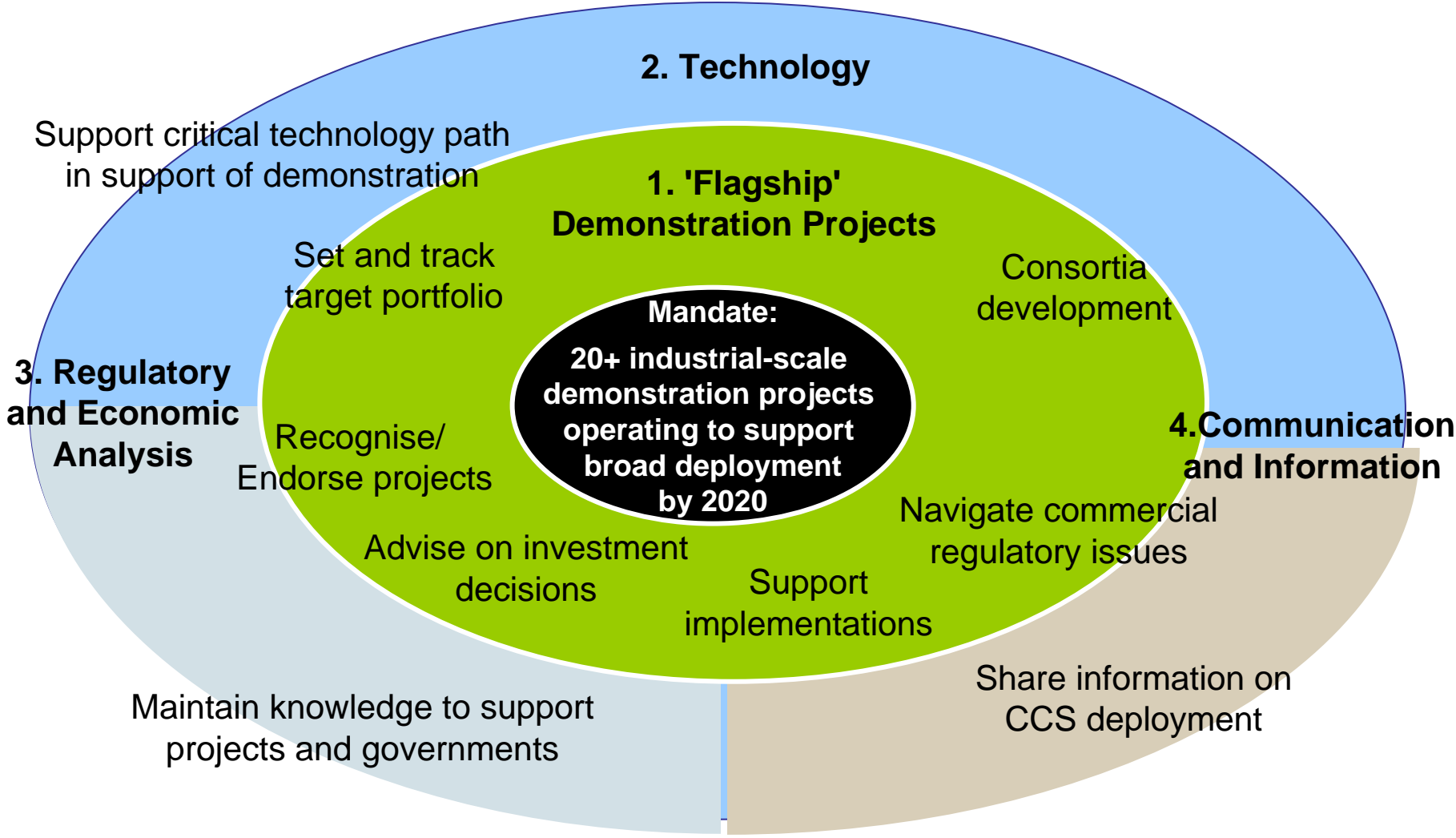


GCCSI `Leadership` Role

- Critical role in helping define the trajectory of CCS deployment
- Co-ordinating set of complementary CCS demonstrations
- Maximising information flows between all stakeholders
- Driving best practice regulation/legal development & reform
- Acting as an `honest broker`
- Communicating urgency to governments/public & industry
- Maximising engagement worldwide

Aiming for rapid early action

Areas of Activity





Primary Work Themes

- **Acceleration of early CCS Demonstration**
 - strategic relationships with organisations with commonality of aim
 - examples : Clinton Foundation; Climate Change Group, EC,
- **Support CCS uptake globally**
 - Co-operative links
 - Providing outreach and public awareness
 - Geological storage potential
- **Build CCS capability**
 - Advising on best practice
 - Development of the industry capacity
 - Independent conduit
- **International CCS Landscape**
 - clarify positions and actions IEA, CSLF with that of GCCSI



Immediate Work Programme - 1

Demonstration project related actions

- Strategic Analysis of the Global Status of CCS
- Desired Global Project Portfolio and Rationale for Support
- Global Projects – methodology and process for identification
- Strategic Partnerships – early mover projects



Immediate Work Programme - 2

Baseline and Supporting Actions

- Definition of `CCS Ready`
- Understanding and guidance on `Knowledge Sharing`
- Global CO₂ Storage Atlas
- Community Outreach and Public Awareness
- Link to capacity building initiatives (such as with CSLF)



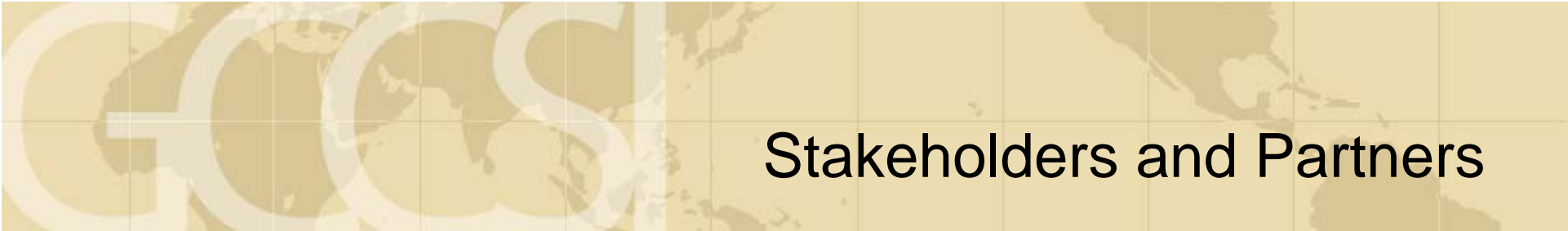
Membership and Alliances

- **Membership**

- 12 first foundation members as of 25th November 2008
 - ALSTOM, Anglo American, Mitsubishi, Rio Tinto, Schlumberger, Shell, Xstrata
 - Norway, Korea, UK
 - Clinton Foundation, The Climate Group
- now in excess of 70, approx 15 countries and 55 organisations
- not formally announced as yet by Kevin Rudd

- **Alliances**

- technology linkages : GCCSI will not do R&D but will establish links with R&D community to ensure flow of appropriate information and to initiate actions to address blockages to specific CCS projects and deployment
- International partnerships : IEA GHG R&D/CCC, IEA WPFF, IEA TRMs ...
- CCS demonstration : strategic consortia and organisations developing large integrated CCS actions anywhere in the world



Stakeholders and Partners

- Governments
- International and Associated Bodies
 - IEA, CSLF, APEC, ZEP,
- CCS Companies and Industry
 - across full chain of Capture, Transport, Storage interests
- NGOs
- Public
 - Local, Regional and International via the media



Organisation and Internationalisation

- **Legal Entity**
 - Non profit company limited by guarantee : target date of 1st July 2009
 - Skill based board of directors
 - Strategic Advisory Board of senior international advisors
 - Technical Advisory Forum for peer review/advice
- **Organisational Aspects**
 - Australia/Canberra hub : ~40-50 individuals plus corporate function
 - Linkages/actions worldwide : `hub and spoke` model
 - Europe
 - North America
 - Australasia
 - Africa
 - Focus on countries active in GCCSI plus strategic orientation
 - Focus on `where the projects are` aim is to ensure co-incidence



Next Steps.....

- First meeting of all Foundation Members
 - aim : to share and get guidance on direction of GCCSI
 - location : Canberra, Australia
 - date : 16-17th April 2009
- Encouragement of new participants
 - balance of organisations, geography,
- Address CCS international Landscape
 - CCS Roadmaps and their content : CSLF, IEA
 - responsibility assignment to Calgary G8/CSLF/IEA CCS recommendations : how can GCCSI assist/accelerate?
 - input to 2009 Ministerial meeting planning

.....to change some minds



An Australian Government Initiative



The Global Carbon Capture and Storage Institute GCCSI

**Position and Update as March 2009
END**

Nick Otter
CEO of Global CCS Institute

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