# Current Carbon Market Fundamentals and Future Prospects

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The recession has significantly reduced demand for emission reductions in the short term...





#### ...but we have also seen a contraction in expected supply of CERs



#### As a result the Kyoto period 2008-2012 is broadly in balance







# Governments made pledges at Copenhagen, but only the EU's climate and energy package is a real deal

## Submitted developed country targets

Country	Targets
Australia	5% on 2000 levels unconditionally 25% if certain conditions are met
Canada	17% on 2005, to be aligned with US legislation
EU	20% on 1990 unconditionally 30% if certain conditions are met
Japan	25% on 1990 <i>(his is too high)</i>
US	17% on 2005, consistent with anticipated US energy and climate legislation, final target will be fixed once the legislation is enacted

### Aggregate developed country reduction targets on 1990 levels



Developed country target ranges (reduction on 2005 levels)



# With current pledges, post 2012 CER demand could be twice that in the Kyoto period with most demand coming from EU and US





#### On the supply side, the CDM/JI world is changing



Assumptions: ignores potential supply from sectoral mechanisms, but supply from these sectors is reduced – eg fugitive, industrial energy efficiency. No crediting HFCs/N20 after end of 7 years, 70% recrediting RE projects, 50% re-crediting other projects. Extrapolation of current trends in CER yields and registration risks. No implementation of sectoral CDM or changes to forestry mechanisms.



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In summary, there are wide ranges in potential demand and supply outcomes



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#### Scenarios for examining supply / demand for CERs

Low: EU 20% and Japan 8% reduction Med: EU stays at 20%, all other parties take on very modest targets, US adopts a power sector only ETS High: EU moves to 25% reduction, US adopts economy-wide cap-and-trade

#### Sectoral crediting could change the game completely



#### Access to international forestry offsets could significantly reduce global CER prices.





# Even though our price outlook is bearish in the short term, there is a recovery with US participation



#### The outlook for CER prices is less optimistic with limited US participation





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#### CER eligibility constraints starting to affecting pCER prices



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### Take away

Very difficult to price CERs post 2012 - wide range of potential demand / supply outcomes to 2020.

Key swing factors:

- US involvement
- Inclusion of forestry
- Sectoral crediting

To avoid runaway prices or system collapse need to carefully consider demand and supply

My thoughts on sectoral mechanisms:

- power -> sectoral crediting with nationally differentiated targets
- industry -> sectoral trading with mandatory intensity targets

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