

Assessing the current level of pledges and scale of emission reductions by Annex 1 Parties in aggregate

AWG-KP In-session Workshop

Bonn, 2 August 2010

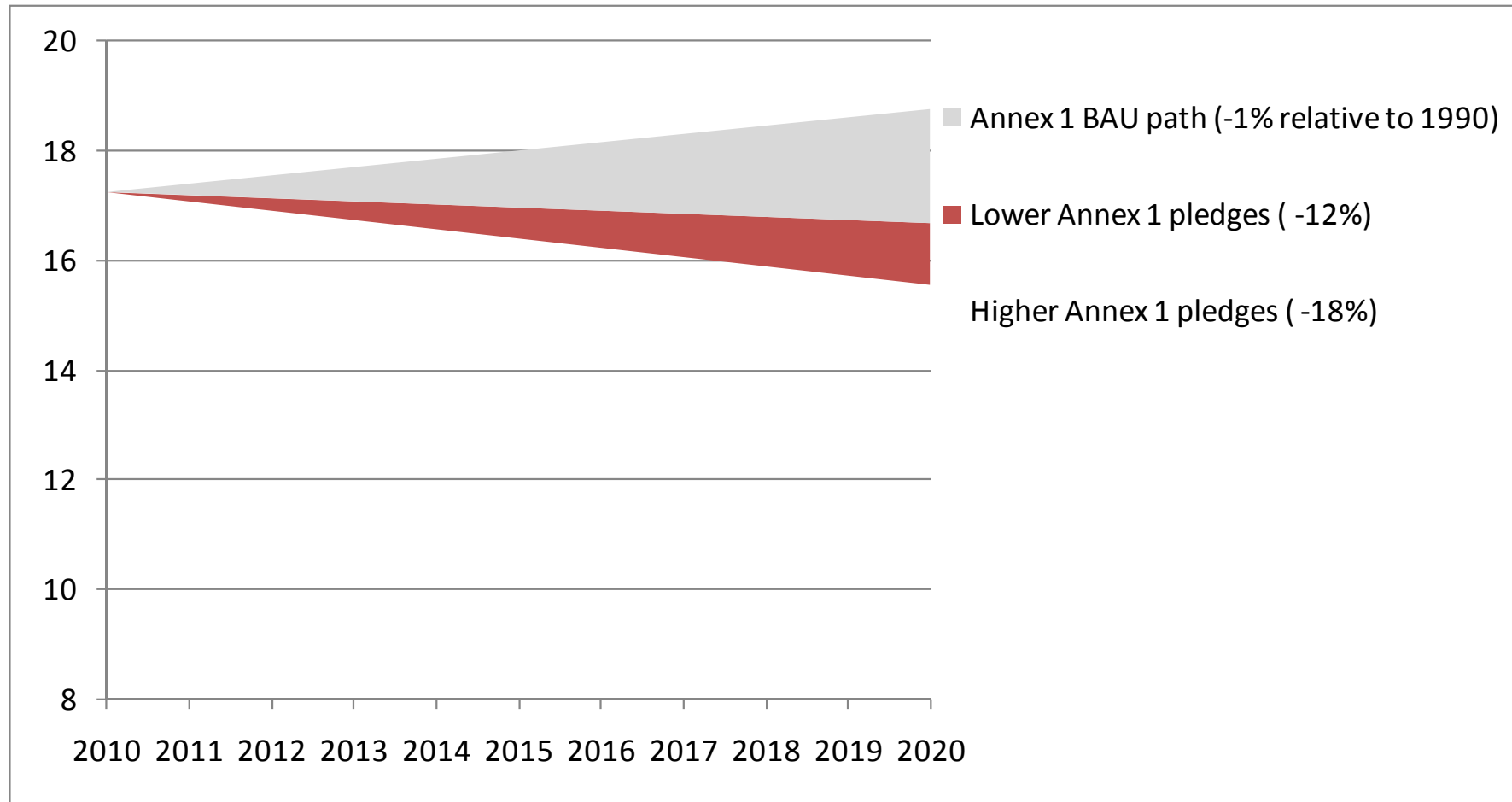
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Nominal Annex 1 pledges in aggregate

Source	Quantity
WRI, 2010	-12 to -18%
Grenada submission to AWG-KP , 9 July 2010	-12 to -18%
European Commission, 2010	-13 to -18%
den Elzen, 2010	-12 to -18%
Climate Action Tracker, 29 July 2010	-11 to -19%
den Elzen, 2010 (projected BAU emissions)	-1%

Aggregate Annex 1 Pledges (lower and higher) and BAU projection



Alternatives to mitigation

1. Surplus CP1 AAUs
2. Surplus CP1 LULUCF RMUs
3. Surplus CP1 CDM CERs
4. Non-Additional CP2 CDM CERs
5. LULUCF accounting
6. Annex 1 Bunkers

...others (e.g., surplus CP2 AAUs, other LULUCF)

Surplus CP1 AAUs

Source	quantity
Point Carbon, 2009	9 GtCO ₂
Rogelj et al, Nature, 2010	11 GtCO ₂
Schaeffer, 2 June 2010	11 GtCO ₂
den Elzen, 2010	13 GtCo ₂

Surplus CP1 LULUCF RMUs

Source	quantity
Rogelj et al, Nature, 2010	1 GtCO ₂
den Elzen et al, 2009	2.1 GtCO ₂

Surplus CP1 CERs

Source	quantity
UNEP Riso, 1 August 2010	1 GtCO ₂

Non-Additional CDM CERs

Source	quantity
CAN, 2010	1.1 GtCO ₂ /yr by 2020
Secretariat (FCCC/TP/2008/7)	1.7 GtCO ₂ /yr by 2020
Schneider, 2007	20% non-additional
Wara & Victor, 2008; Haya, 2009	>50% non-additional

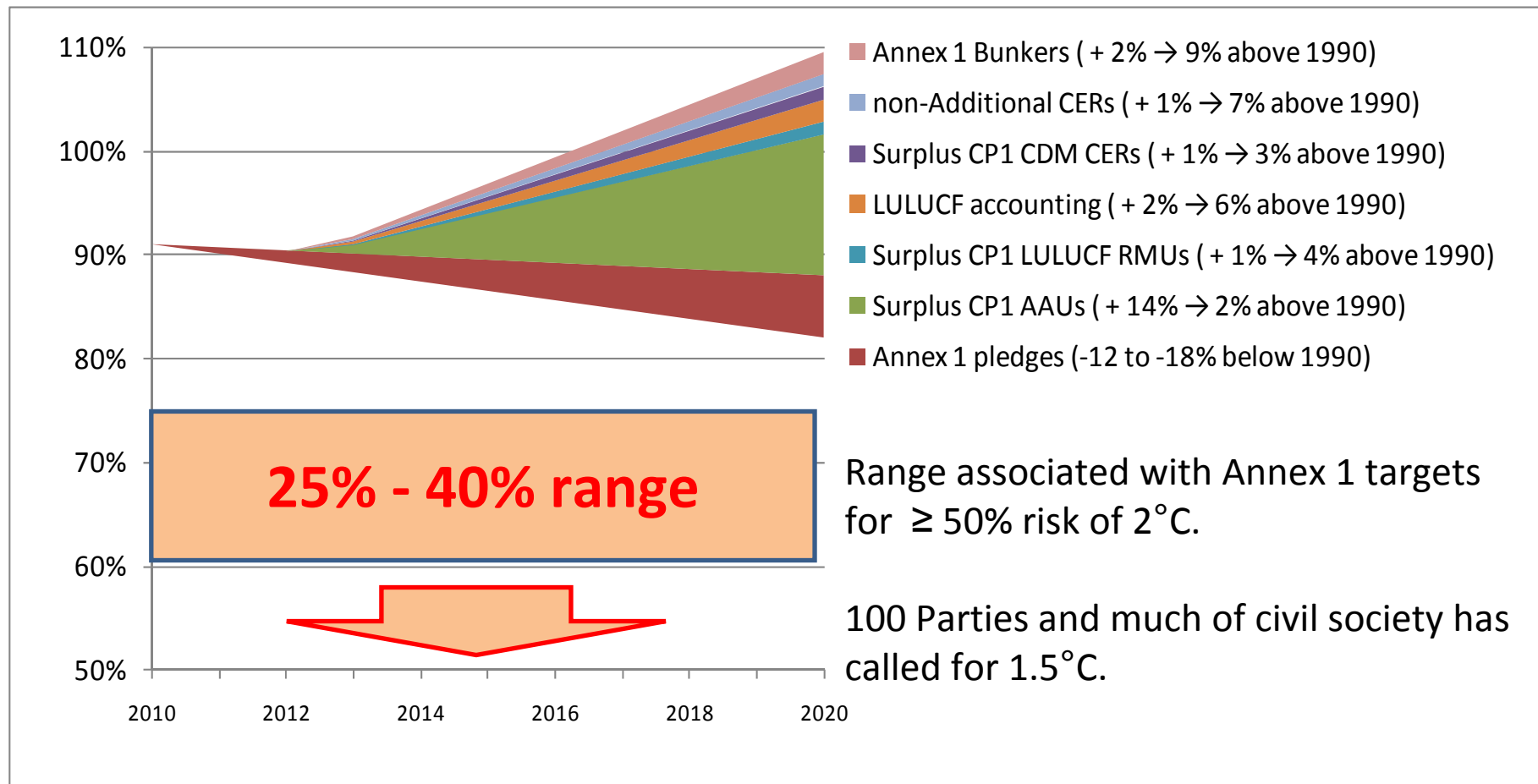
LULUCF accounting

Source	quantity
CAN LULUCF analysis, 2010	0.4 GtCO ₂ /yr – excessive projected references
Rogelj, et al, Nature 2010	0.5 GtCO ₂ /yr – LULUCF accounting
Grenada submission, 9 July 2010	1% of Annex 1 emissions – Art. 3.7 4% of Annex 1 emissions – LULUCF accounting
Climate Action Tracker, 29 July 2010	5% of Annex 1 emissions – LULUCF accounting

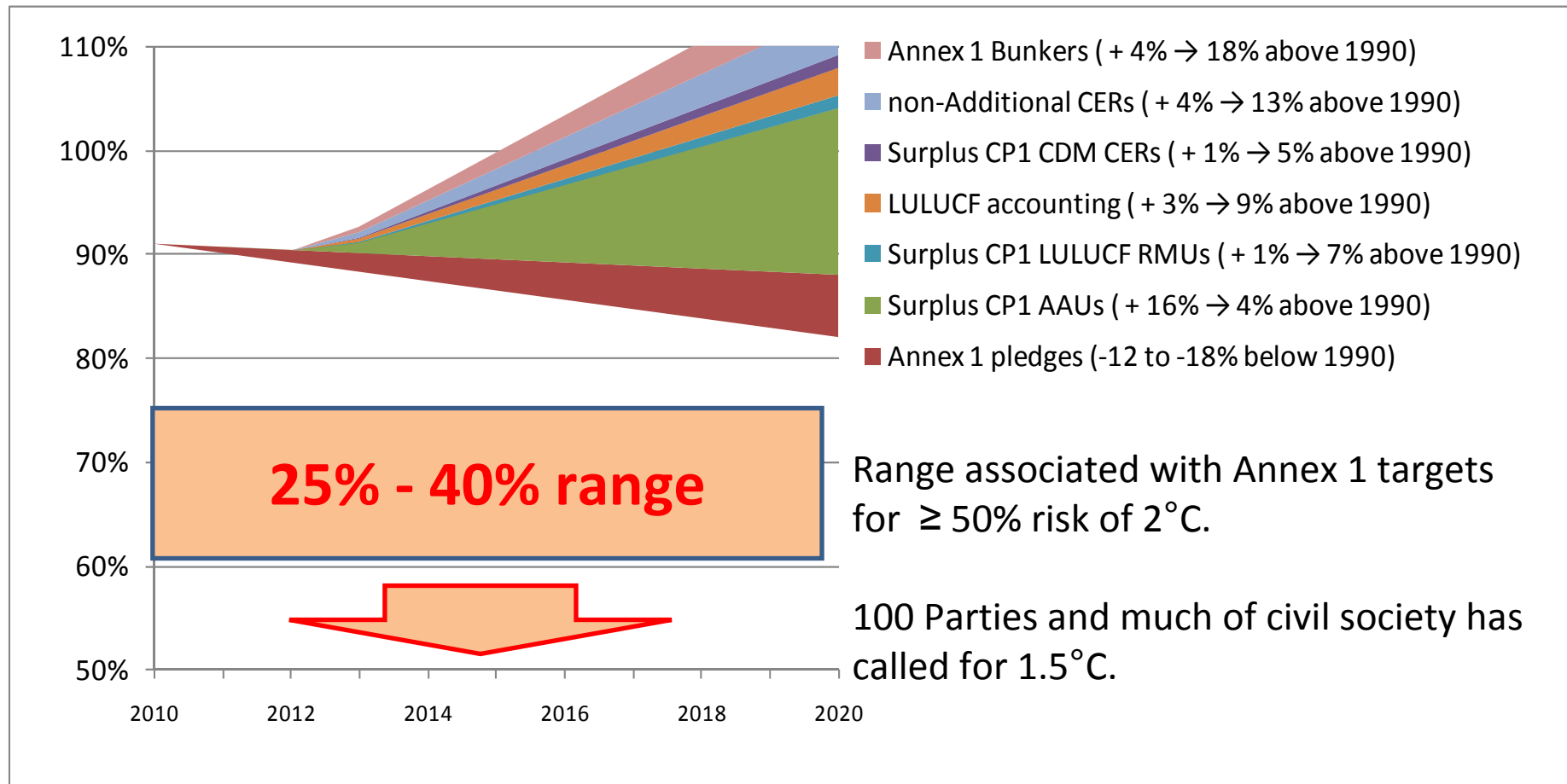
Annex 1 Bunkers

Source	quantity
Terry, 2010	0.4 GtCO ₂ /yr (growth in Annex 1 only)
CAN , 2010	0.8 GtCO ₂ /yr (growth in Annex 1 only)

Diminished pledges (%) (based on conservative assumptions)



Diminished pledges (%) (based on conservative assumptions)



Conclusions

- Targets must be strengthened.
(They are currently on 3.5°C path.)
- UNFCCC provisions and methodologies must be changed to ensure compliance with targets is achieved through real mitigation.

Thank you...

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References

Full citations to be added

Figure 9
Transforming pledges into QELROs

