

Emergence of REDD+

- Full mechanism still to be resolved
- Reducing pressure on tropical forests
- Potential for multiple benefits in addition to carbon storage, e.g.
 - » Biodiversity
 - » Ecosystem services (water, soil ...)
 - » Livelihoods
 - 'Ecosystem co-benefits'
- But these outcomes not automatic
 - . . . there are also some risks





REDD+ and 'Co-benefits'

- Importance of 'co-benefits' recognised
- some inclusion of safeguards likely,
- but not formal co-benefit criteria(?)

Moving towards action on REDD+

- Countries (and other actors) need to make decisions
 - ≻Where to act
 - > What actions
 - How and by whom







Identifying opportunities (and risks) for co-benefits:

- Spatial analyses
 - Help with visualisation
 - Identifying areas where co-benefits can potentially be maximised and areas at risk
- Demonstration approach
 - Global, regional data for coarse national overviews















Carbon & Biodiversity Priorities sub-national scales

> Total carbon and vascular plant species richness

Jiangxi Province, China



Benefits for people - Ecosystem services

e.g.

- ♦ Carbon storage
- Provision of fresh water
- ♦ Soil conservation
- Pollination
- Pest control
- Forest products























Identifying risks to carbon and co-benefits

• Deforestation, degradation & fragmentation

- Drivers of land use change
 - Agricultural demand
 - Infrastructure development
- ♦ Fire
- ◆ Climate Change











damage

retention

WCMC





Further reading

- Miles & Kapos 2008 Science
- Carbon and Biodiversity: A Demonstration Atlas
 <u>http://www.unep-wcmc.org/l/news/atlas/Carbon_and_Biodiversity_screen%20friendly.pdf</u>
- Naidoo et al. 2008 Proceedings of the National Academy of Sciences
- Peskett *et al.* 2008. *Making REDD work for the poor* Poverty & Environment Partnership (PEP)
- Griffiths 2008 Seeing 'REDD'? Forest Peoples Programme

A world where biodiversity counts



