- DES,MNM and DES,M will converge as markets emerge for all ES and non market services are 'captured'
- Free market positions biodiversity should be privatised and there is no role for the state. Potentially large role privates sector plays in ecosystem management
- Kyoto Protocol and FCC; converting open access rights to global atmosphere —> common property rights
 - Access limited by agreements e.g. for developing countries
 - Policy instruments e.g. taxes and tradable emissions
 - No guarantee if these will act guickly enough to prevent loss of ES
 - (Unclear how much treaties do to conserve)
- Growth of PAs
 - Yellowstone = first, estab. in 1872
 - Post WW2 = 1million km2. Now = 18.8million km2 (Chape et al, 2003)
 - Problem with afforestation can you compare biodiversity poor plantations with natural forest?
 - Net gain of 24million hectares per annum good news??
 - BUT PA only account for 10% land in developing countries and 12% in developed (WRI, 2003)
 - Over half of PA = in countries with weak governance therefore may be 'paper parks' (WRI, 2003)
 - Many of the PA are designated because the alternative land use value is low?
 - Therefore publicly owned and managed PA where there is high private econ value in alternative land use are at risk AND if in areas of weak governance, govt will be unable to do anything dir to lack of resources etc.

Cost-Benefit evidence

- Where we are on the graph if costs of new protection > benefits has to the right of ESOPT and if benefits > costs then to the left of ESOPT. if benefits > costs then to the left of ESOPT
- Opp cost will rise as more ecosystems are converged low cost will be conserved first then as system expanded, higher development of tential will be converted. In line with graph
- World Bank (2002) costs of setting side 200m by ctaren of NEW land in developing countries = \$93/hectare
- diversity as a whole therefore WTP is associated - Willingness to pay pecific speci with charismatic species
- More likely to report where benefits exceed costs than vice versa

What do we spend?

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