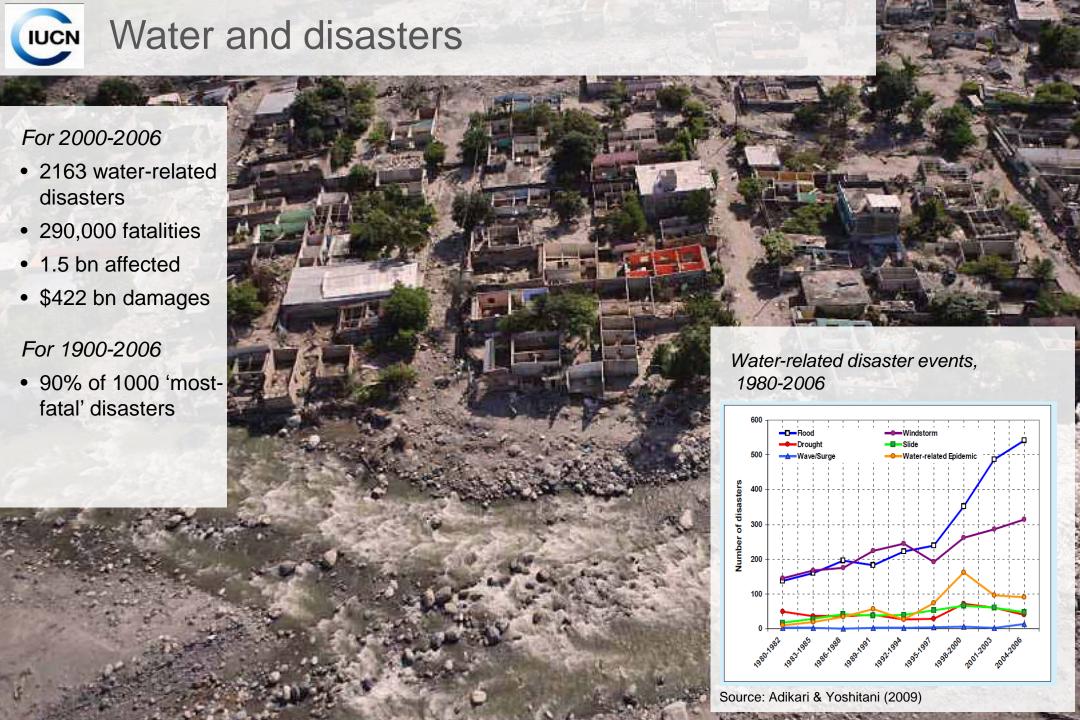


Managing Watersheds for Resilience

Dr Mark Smith
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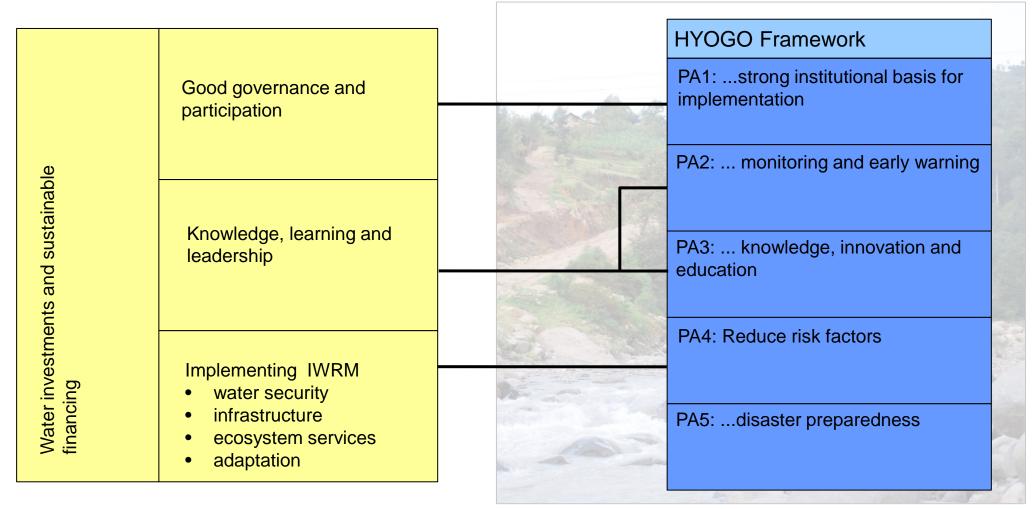


World Parks Congress, Sydney, November 14, 2014





The role of water resource management





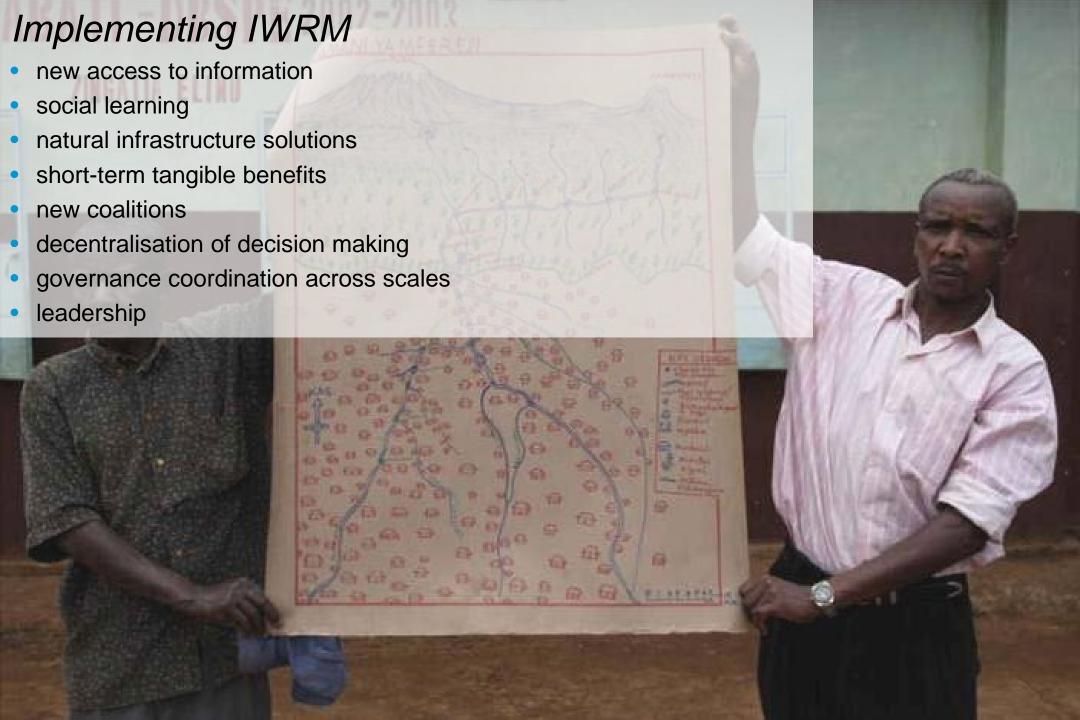
Ecosystem Services: Nature as Infrastructure



- Built water infrastructure
 - water storage
 - flood defence
 - sea walls
 - protects life and property

- Healthy watersheds
 - store water
 - buffer flows
 - coastal protection
 - water supply
 - support income & enterprise

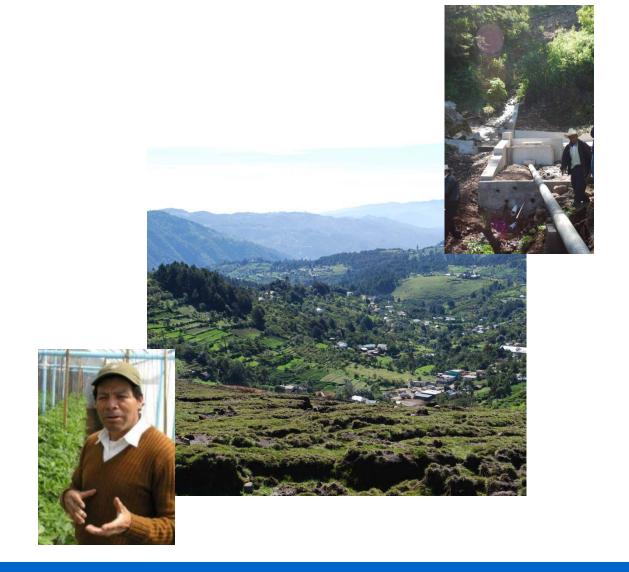






IWRM Implementation: Tacanà, Guatemala

- governance reforms
- watershed restoration
- spring protection
- diversified farming systems
- water supply
- enterprise development
- disaster preparedness
- early warning





Resilience shift

- deforested watersheds
- degraded farming systems
- social upheaval
- downstream disaster
- weak coordination





- local coordination of priorities
- landscape restoration & diversification
- social entrepreneurship
- municipal provincial liaison
- disaster planning

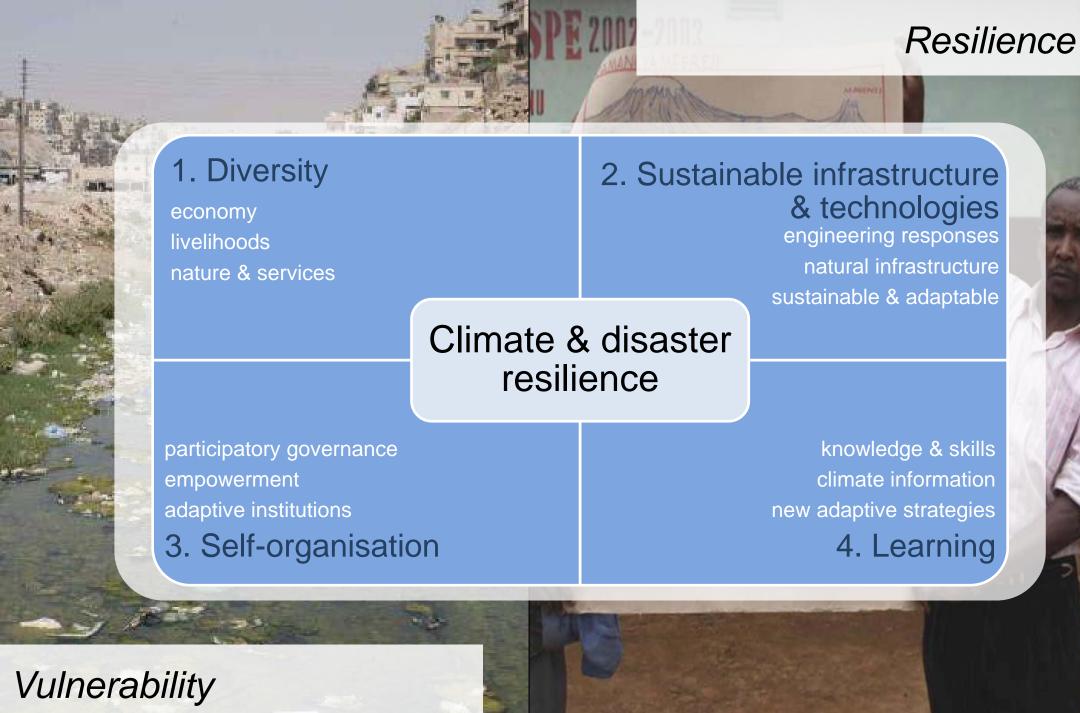


Watersheds for Resilience

- synergies between IWRM in DRR
 - in Hyogo implementation
- watersheds as infrastructure
 - built components
 - ecosystem services
- resilient watersheds
 - good WRM builds resilience
- upstream-downstream partnerships
 - watershed management
 - institutions and governance
 - finance: eg. PES, trust funds









James

- powerpoint; disaster in the Pacific new integrated strategy for DRR and CCA, since in the Pacific, these things are linked
- putting disaster risk into water planning; natural and built solutions + commitments from regional agencies to integrate these actions into their workplans... but immediately forgotten at the next strategy... NI not integrated into the right areas where money is flowing – eg where you bring climate finance it at large scale... therefore it is the enabling environment that is the limitation
- not enough learning, not getting pulled together and scaled up and into national development strategies.
- countries not paying attention to what they've committed to, and not paying attention to what is being learnt.