

Implementation of forest ecosystem services in policy and decision making in Oceania

Pre-Conference Workshop – Oceania Ecosystem Services Forum
28th March 2017
Brisbane, Australia



Forest ecosystem services workshop goals

- Facilitate the debate on role of planted forests
- Increase awareness of forest ecosystem services
- New Zealand research in international context
- Exchange ideas and create networks
- Benchmark progress (policy, provision and markets for FES)

National Forest Ecosystem Services Workshops

2012 Opportunities, risk and challenges associated with realising the value of FES

<http://www.scionresearch.com/general/news-and-events/past-events/forest-ecosystem-services-workshop>

2013 Integrating FES in policy

<http://www.scionresearch.com/general/news-and-events/events/past-events/forest-ecosystem-services-workshop-2013>

2014 Protecting and enhancing New Zealand's freshwater through forestry

<http://www.scionresearch.com/general/news-and-events/events/past-events/forest-ecosystem-services-forum-2014>

2015 Integrating forestry in the landscape with other primary sectors

<http://www.scionresearch.com/general/news-and-events/events/past-events/forest-ecosystem-services-forum-2015>

2016 Current perspectives on FES: Issues and pathways to implementation

<http://www.scionresearch.com/general/news-and-events/events/past-events/forest-ecosystem-services-forum-2016>

2015 Integrating forestry in the landscape with other primary sectors



Not a matter of either or, but how do you get a win win or make $1+1=3$?

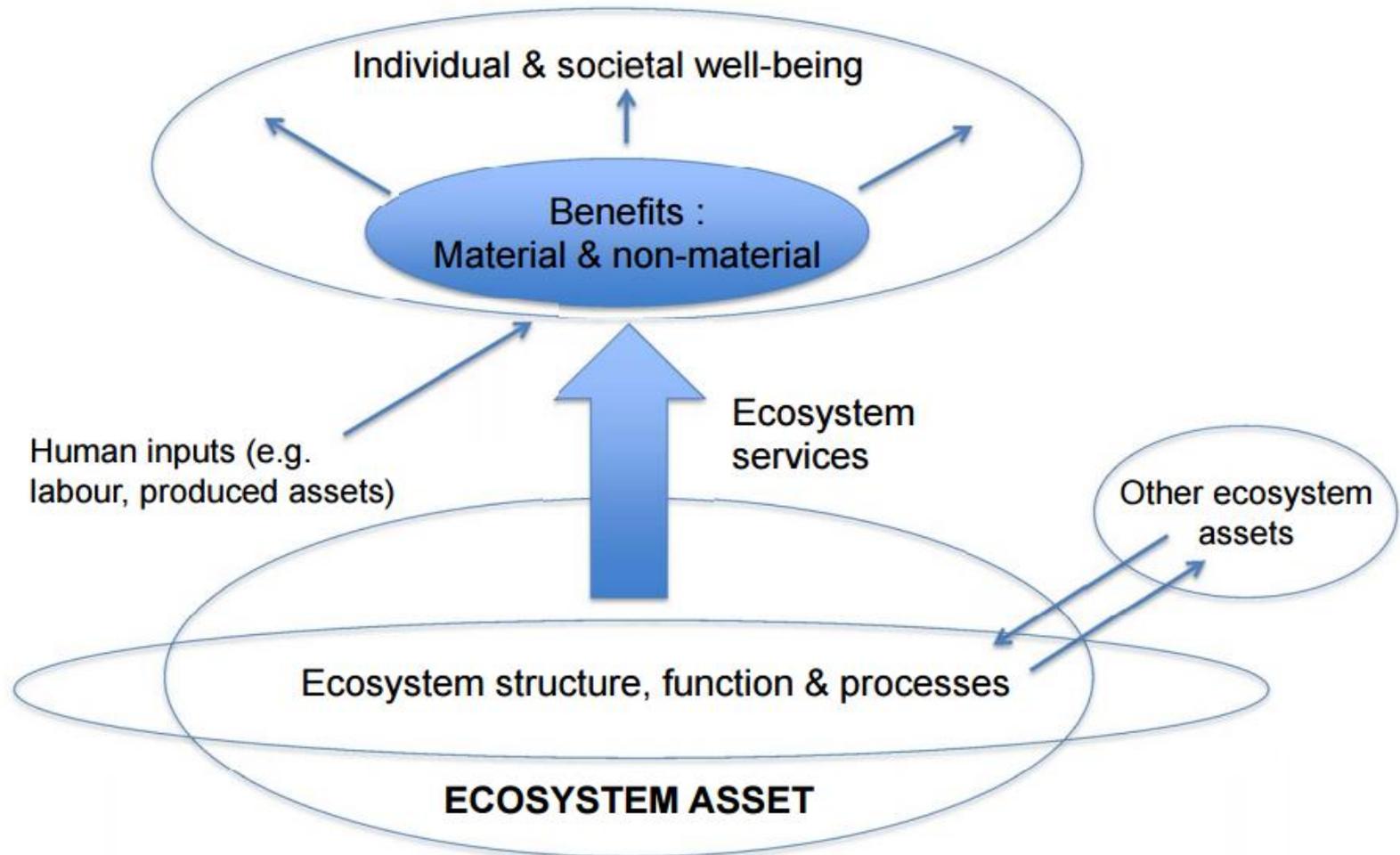


2016: Integrating ES in national accounting

2. Ecosystem accounting

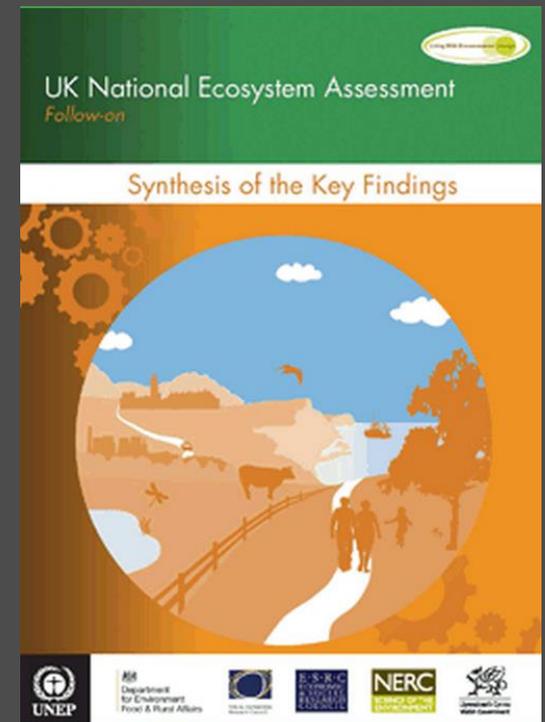
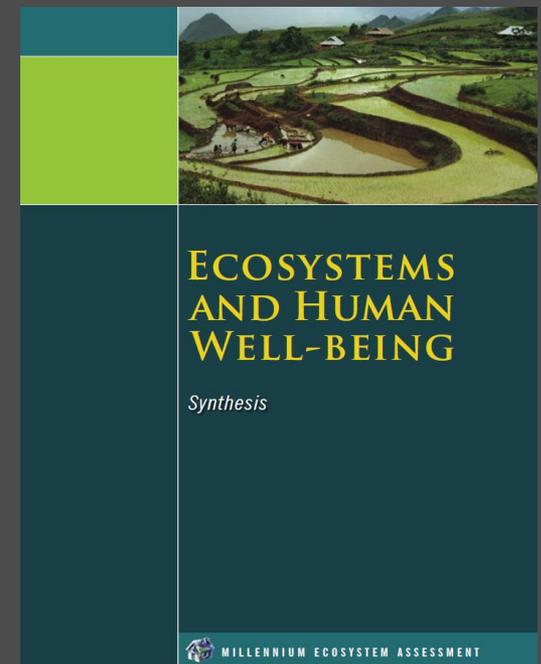


Core Ecosystem Accounting Model

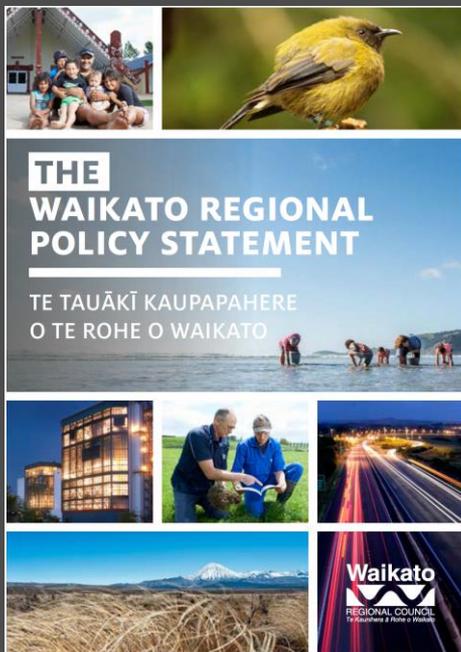


The story so far

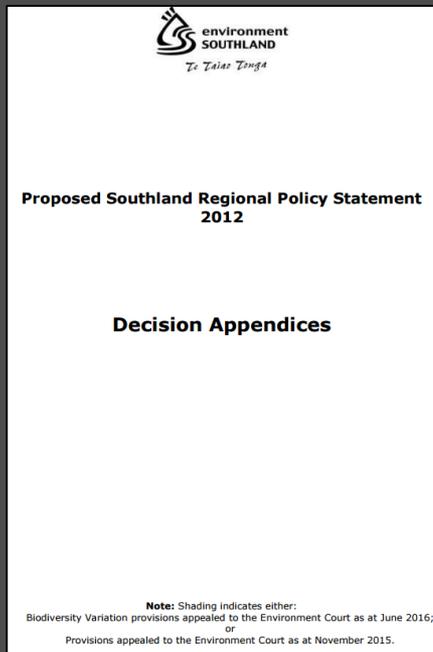
- Initiatives translated ES typology into a practical and coherent system of indicators for welfare analysis (Barbier et al., 2009; Wallace, 2007)
- ES framework has been influential and useful communication device (Boyd et al. 2014)
- “UK NEA Follow-on” report highlights the importance of the ES approach in policy and decision making
- New Zealand national and local government agencies, and industries started to adopt ES



Ecosystem services in policy and plans of NZ government agencies

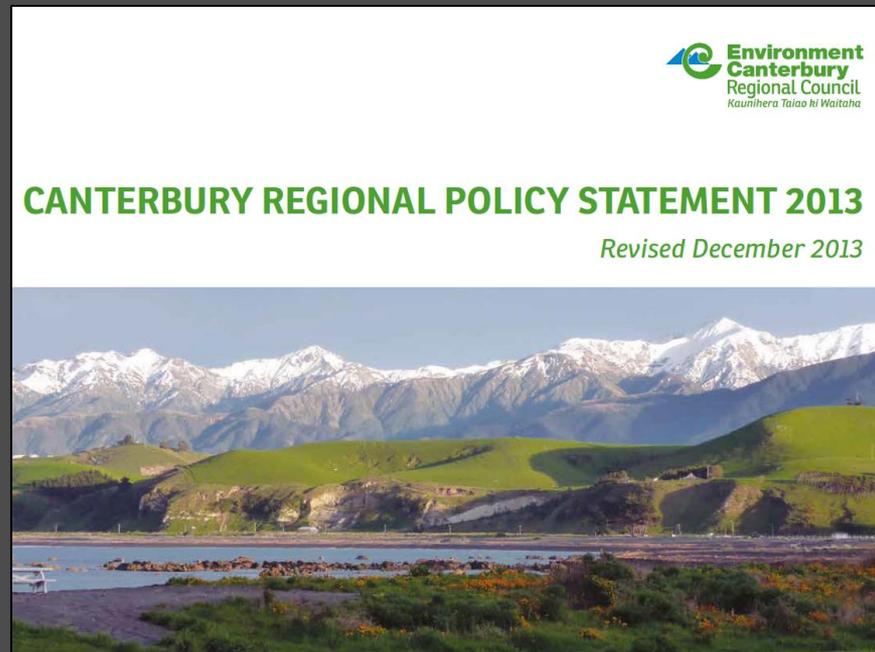


<http://www.waikatoregion.govt.nz/Pages/9777/2016-WaikatoRegionalPolicyStatement2016.pdf>



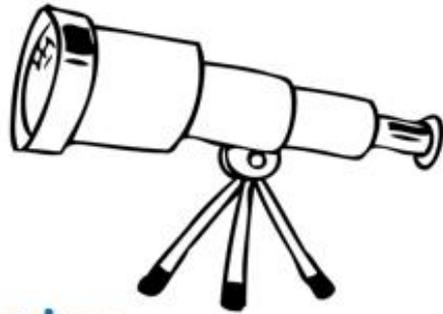
Note: Shading indicates either:
Biodiversity Variation provisions appealed to the Environment Court as at June 2016;
or
Provisions appealed to the Environment Court as at November 2015.

<http://www.ec.govt.nz/Documents/2012/Policy/Plans/320policies%20and%20strategies/Regional%20policy%20statement%20Proposed%20Regional%20Policy%20Statement%202012/Decision%20Reports/para%20801%20-%20Decision%20report.pdf>



<http://ecan.govt.nz/publications/Plans/canterbury-regional-policy-statement.pdf>

Uses of the ES approach



Scoping



Assessment



Valuation



Every day
decisions

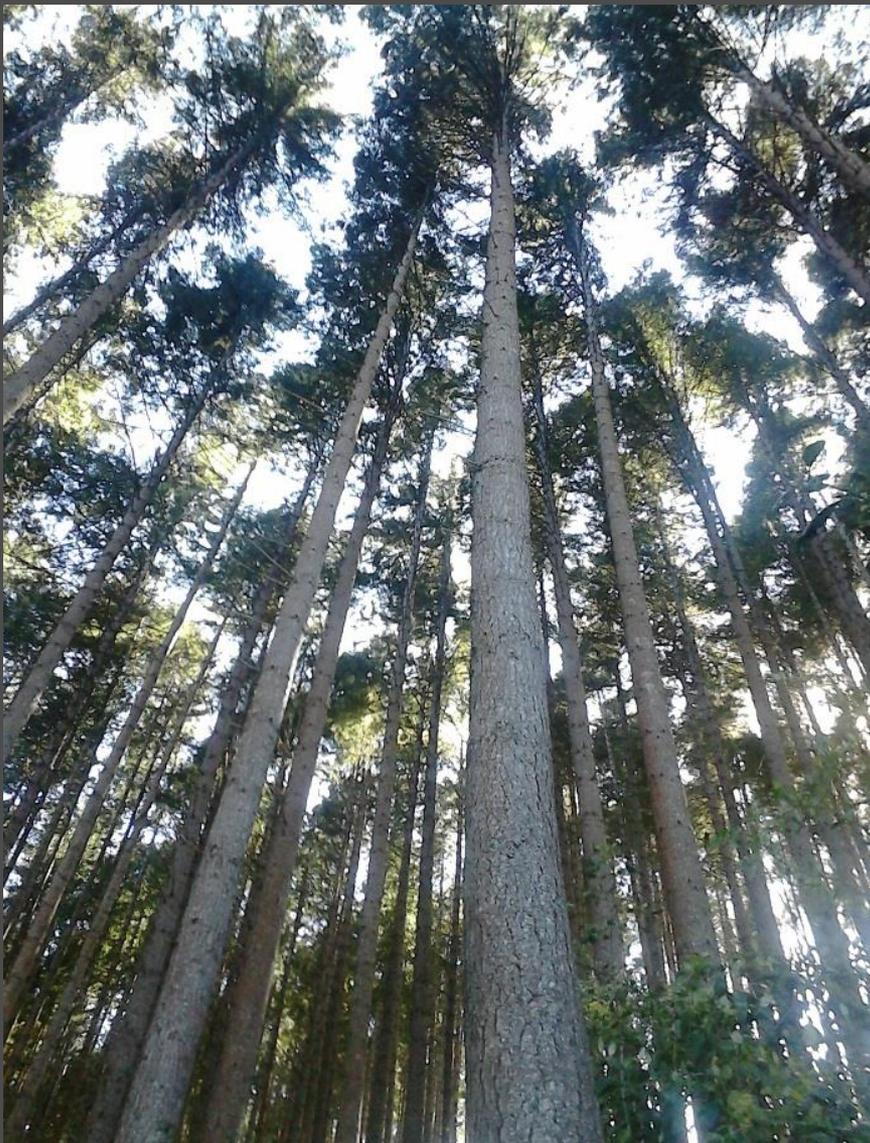
Adapted from Greenhalgh (2016)

Growing interest on ES research in NZ



Vision for FES

- Build high quality capability
 - Economic, social and political research
- Better representation of FES in policy and decision making
- Establish and provide leadership to cross-sector collaborations
- Provide solutions for land owners and policy makers through applied research
- Scion's Science and innovation plan 2017 – 2024:
 - More trees planted in New Zealand
 - Enhanced benefits from forestry-based ecosystem services



Thank you.

Richard T Yao, PhD
Scientist - Resource Economist
richard.yao@scionresearch.com

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