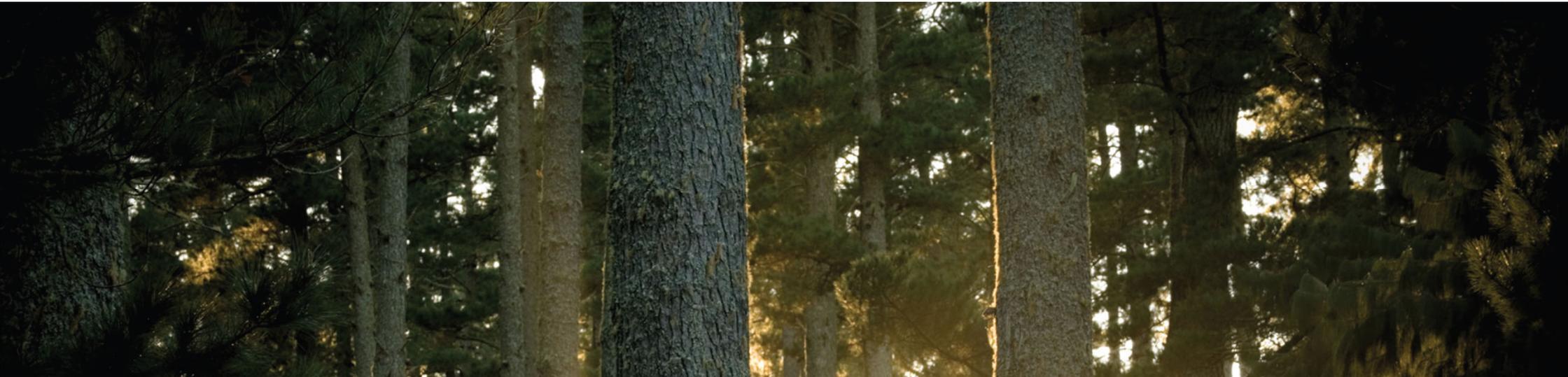


Forest Ecosystem Services Forum

Planted forests, climate change,
water and people connections

December 2020



On-line Webinar

National Forest Ecosystem Services Forum goals

9 years on

- Gain insight from various perspectives
 - Industry, Government, Māori, Academic, International
- Facilitate National debate on role of planted forests
- Increase awareness of forest ecosystem services
- Exchange ideas and create networks
- Bench mark progress (policy, provision and markets for FES)



Scion's Core Purpose

To drive innovation and growth from **New Zealand's forestry**, wood product and wood-derived materials and other biomaterial sectors, to **create economic value and contribute to beneficial environmental and social outcomes for New Zealand**



Forests and Landscapes



Forests to Timber Products



Forests to Biobased Products

Striving for Balance: Helping New Zealand transition to a circular bioeconomy





Designing Forests – Mahi Tahī Whāihua (Portfolio IA1.3)



Focus

- Increase in afforestation of highly erodible red zone land
- 8 million tonnes increase in sequestered carbon in new forests
- Increase in forested area to enhance soil and water resources, biodiversity, landscape resilience
- Landscapes are integrated resulting in sustainable regional economies
- Increase in the use for forests for human health and well-being.

Helping with New Zealand's Big Three



Forests to help clean our water



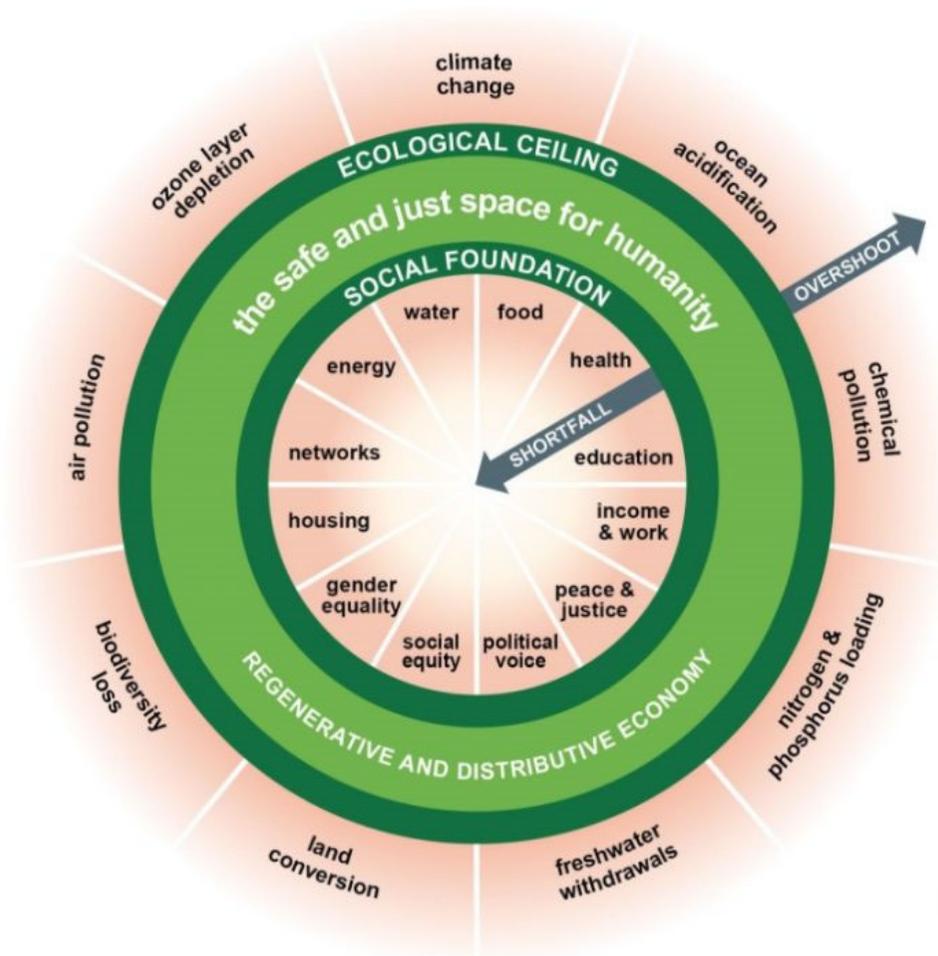
Forests to reduce greenhouse gas effects



Forests to mitigate effects of sea rise due to climate shift

Using environment engineering principles, mātauranga, and forestry science to design forests to meet a need; the forests can be indigenous, exotic, or a mixture of both

Think piece: How does society know when it is in balance and below the Ecological Ceiling?



What does this feel like / look like?

How do you know you are there without hindsight?

How does a community know what part(s) needs adjusting?

When do you feel that you have gone beyond the ecological ceiling?



Nga mihi



Jeff Bezos launches \$10 billion Bezos Earth Fund, kicking off his own effort to fight climate change

BY ALAN BOYLE on February 17, 2020 at 10:33 am

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Jacinda Ardern says declaring climate emergency sends 'strong message' of Govt's priorities

10:36AM • SOURCE: 1 NEWS



Declaring a climate emergency sends "a strong message" of the Government's priorities, Jacinda Ardern says.



-events.taboola.com...

Microsoft will be carbon negative by 2030

Jan 16, 2020 | [Brad Smith - President](#)



Microsoft President Brad Smith, Chief Financial Officer Amy Hood and CEO Satya Nadella preparing to

Designing Forests RA of Scion and mention where the natural capital - ecosystem services research portfolio sits?

So about 70 FES Forum participants.

I have adopted based on my readings and work on ecosystem services.

- *Ecosystem services are the goods and services provided by natural and modified ecosystems that benefit, sustain and support human well-being.*
- *Ecosystem service frameworks* have been developed to quantify and describe the broader value of ecosystems (especially those that do not have a market) to allow their representation in decision making.
- Ecosystem services include non-market environmental, social and cultural (e.g., Maori spiritual values) values. All of which should be accounted for in policy and investment decisions.