



Live session at the IUFRO World Day (Webinar)

Afforestation and reforestation opportunities and challenges for New Zealand under a changing climate

Task Force on Resilient Planted Forests Serving Society & Bioeconomy

29 September 2021, 03:00 - 04:00 UTC

📍 Rotorua, New Zealand (on the IUFRO World Day Map)

To join us, please register for the IUFRO World Day: [Registration](#)

You will find us at the host city on the [Interactive Map](#)

ABSTRACT

We will explore how the design and implementation of new functional forest systems can be used to help New Zealand meet its Paris targets. While the overall purpose of these new planted forests will be carbon sequestration there are very significant additional ecosystem service benefits that can be realized from the forests and thus contribute to other NZ priorities such as water quality, erosion control, understory cropping, or biodiversity conservation. We will outline how we will integrate these new forests into the New Zealand landscape and regional communities.

KEYWORDS

- Climate Change
- Plantation Forestry
- Non-wood Forest Products
- Genomics
- Planted forests

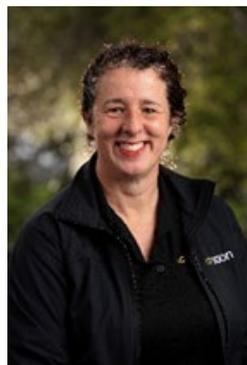
SPEAKERS

Peter Clinton, Scion: *Tree planting today in the New Zealand context of an uncertain future*



Peter is a forest ecologist interested in plant soil interactions with a particular focus on maintaining the productive capacity of commercial forests. He considers himself fortunate to have worked in both indigenous and exotic forests of New Zealand, providing him with a wide appreciation of diverse forest ecosystems. Until recently, he led the Forest Systems team at Scion and was the Science lead for the Government/Industry funded research programme - Growing Confidence in Forestry's Future (GCFF, <https://gcff.nz>). He is now the programme leader for the Industry/Government funded programme "Resilient forests" which focuses on multidisciplinary research to increase the resilience of planted forests under an uncertain future.

Heidi Dungey, Scion: *Establishing new forests in New Zealand in response to climate change*



Heidi is a forest geneticist interested in tree breeding, quantitative genetics and the use of molecular genetics where appropriate as tools for the management of exotic and indigenous forest species. Currently, interests are in how to build partnerships and connections to improve the success and long-term sustainability of indigenous forests for their standing forest benefits. This includes seed, nursery propagation, site preparation and establishment in the field. Heidi is the Portfolio Leader "Establishing Indigenous Forests" at Scion, New Zealand.

Alan Jones, Scion: *Planted forest carbon challenges, opportunities and learnings*



Alan is a scientist at Scion. He has a PhD in Ecology from Imperial College London and has been active in forest ecology research and throughout the last two decades. Alan has a special interest in carbon dynamics, soils and climate change. He has investigated long-term changes in the carbon budgets of temperate, tropical and Arctic boreal forests, accounting for impacts from climate change, herbivory, wildfire and nitrogen deposition. He was chair of the British Ecological Society Forest Ecology Group (2015 - 2021) and has co-authored UK government policy-influencing publications, influencing directions for both forest management and plant science. He has a passion for science communication and public engagement in science, using these skills previously to influence climate change behavior within multi-national finance organisations.

John Moore, Timberlands Ltd: *Creating the feedstock for the bioeconomy in a changing climate - experience from managing a large plantation resource*



John is the Research and Development Manager for Timberlands, who manage a 200,000-ha forest estate in New Zealand. He has a PhD in Forest Resources from Oregon State University and been active in forestry research for over 25 years. His research has focused on plantation silviculture, wood quality assessment and modelling, and studying the impacts of storms on forests. He has been an active member of IUFRO, serving as both a coordinator and deputy coordinator of Working Parties, and is co Editor-in-Chief of the New Zealand Journal of Forestry Science and an associate editor of Annals of Forest Science.

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