

R&D solutions

for the forestry,
forest products,
and bioproduct
sectors, and
for businesses
adapting to
the circular
bioeconomy

Scion - the centre of R&D for the circular bioeconomy

As New Zealand adapts to a world living with the effects of climate change, Scion is helping to solve new challenges and support the transition into a new economy focused on sustainable design and renewable resources.

Scion has been creating science impact for the New Zealand forestry industry for more than 70 years and maximising the value and range of products derived from trees for the same period. We are dedicated to building a strong biobased economy for New Zealand and have been developing new bioproducts with renewable resources since 2006 with our science covering biodegradable plastics to biofuels from trees.

We are here to support your business adapt and grow. Backed by our strong international linkages, we provide unique R&D expertise across entire value chains specialising in:

- sustainable forest management and tree improvement
- managing biosecurity, fire and climate change risks
- wood products and processing
- wood fibre, pulp, biopolymer and biochemicals
- bioenergy (heat, power and liquid fuels from wood)
- waste and residue streams
- biodegradation and recyclability
- packaging.

Tax credits for R&D work with Scion

In April 2019 new legislation came into effect that allows New Zealand businesses to get tax credits when they invest in research and development (R&D). The aim of this tax incentive is to increase New Zealand business' R&D spend to 2% by 2027.

Scion is an approved research provider under this scheme, which means there is no minimum investment requirement when you contract your R&D work with us.

Doing research yourself, or using non-approved research providers incurs requirements, such as minimum investment of \$50,000.

The tax incentive offers:

- a credit rate of 15%
- a \$120 million maximum on eligible expenditure
- no minimum R&D expenditure threshold if you work with an approved provider, such as Scion.

In the first year the incentive is implemented, there will be a limited form of refunds, until April 2020 when a full policy is in place. Refunds will allow a firm in loss, or with insufficient tax liability to take full advantage of the tax credit, to receive a cash payment.





Our R&D services

Access to specialist equipment and one-off pilot plant facilities is included in our R&D services.

Consultancy. Our scientists are world-leaders across sustainable forest management and tree improvement, forestry biosecurity, forest ecosystems, wood-processing, wood-related bioenergy, waste streams and biomaterials. We have a range of technical services, specialist facilities and state-of-the-art technology available for our clients.

Accredited laboratory services. Scion's analytical chemistry laboratory (known as Veritec) carries out testing on soil, foliage, waste water, wood and wood preservatives.

Advanced chemical characterisation, sustainable product design and development. We work to improve processing systems and devise novel ways of using renewable materials. Scion offers advanced equipment and specialised skills for analysing substances, supporting product design and development, trouble shooting and compliance with international standards.

We have lab and pilot scale capability in pulp, paper, biopolymers and biocomposites manufacture and testing, providing manufacturers with the R&D support they need on one site.

Materials and product development. We offer:

- Advanced materials development, characterisation and testing
- Plant and industrial biotechnology
- Clean technologies to overcome environmental challenges
- Wood modification and advanced processing
- Wood fibre refining facilities
- Plastics and bioplastics processing, composability testing, recycling plus much more.

Remote sensing: UAV/Drones

We work with forest managers to develop systems that are relevant and cost-effective. Examples include:

- High-definition geospatial work, e.g. mapping for forest planning and management
- Pest and disease identification and monitoring
- Forest inventory
- Analysing the environmental impact of forest operations.

Packaging solutions. We offer:

- A unique controlled cyclic humidity environment (the WHITE Room) for compression and creep testing
- A commercial scale flexographic printer
- A compostability and biodegradation testing facility (DIN CERTCO accredited and unique in Australasia)
- A range of bench to pilot scale printing and coating technologies.

Get in touch

If you'd like talk to someone about R&D or want more information about the services and pilot equipment we offer, then please visit scionresearch.com/rdtaxincentive



About Scion

Scion is a New Zealand Crown research institute that specialises in research, science and technology development for forestry, wood and wood-derived materials, and other bio-material sectors.

Scion's purpose is to create economic value across the entire forestry value chain, and contribute to beneficial environmental and social outcomes for New Zealand.

