

Value Chain Analytics

CSIRO recognises the crucial role that value chains play in the competitiveness of our industries and the resilience and sustainability of our food systems. To support our value chains, we are building an integrated, data-driven and insight-led approach through a cutting edge value chain analytics platform.

Capturing multiple dimensions of value

We recognise that high performing chains are not just driven by profitability, but by a range of priorities including competitiveness, low resource impact, equity and resilience. Most approaches to value chain analysis focus on a single perspective of value – which doesn't realistically portray the complexity of business and society. Our analytical tools often focus on the contributions of a single function of the chain, to a single outcome. This isn't enough anymore.

CSIRO current value chain capability

We have a long standing history of applying analytical approaches to the grand challenges faced by our food and fibre industries. Some examples are:

- Life cycle assessments to help us understand resource use across the value chain
- Predictive analytics to help us investigate and evaluate different value chain scenarios
- Optimisation to arrive at operational efficiencies across multiple scenarios

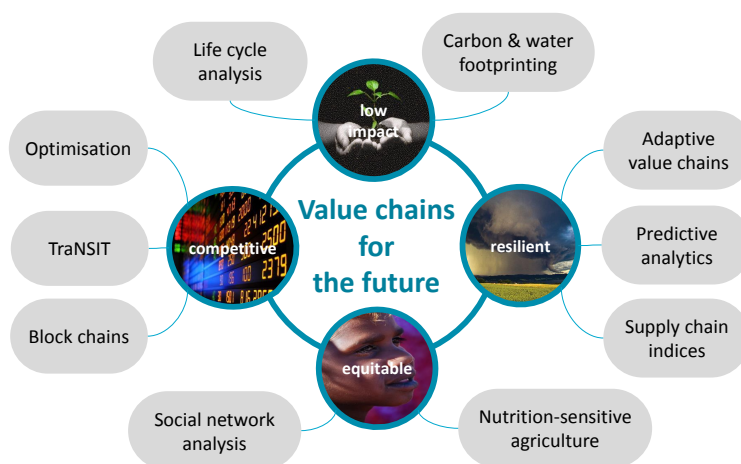
We have also been in the forefront of developing solutions to future proof our value chains, demonstrated through our work in:

- Distributed systems and block chains
- TraNSIT, a tool for evaluating transport options
- Resilience indices for managing supply chain disruptions
- Developing new processing technologies and business models for our future food

But that's not all. We're here to develop new ways of addressing our major problems by bringing science and industry together.

Delivering impact through partnerships

In an effort to deliver benefit to industry and society, we are seeking to partner with industry to test, evaluate and demonstrate our integrated approaches to value chains. From 2017-2019, we have the opportunity to conduct fully funded projects where industry can partner with CSIRO at no direct cost. If you'd like to explore this opportunity and what it means for you, contact Dr Lilly Lim-Camacho for further information.



Mapping CSIRO's value chain capability

CONTACT US

t 1300 363 400
+61 3 9545 2176
e csiroenquiries@csiro.au
w www.csiro.au

AT CSIRO, WE DO THE EXTRAORDINARY EVERY DAY

We innovate for tomorrow and help improve today – for our customers, all Australians and the world. We imagine. We collaborate. We innovate.

FOR FURTHER INFORMATION

CSIRO Agriculture and Food
Dr Lilly Lim-Camacho
t +61 7 3327 4730
e lilly.lim-camacho@csiro.au
w www.csiro.au/agriculture