



Resilience + Sustainability of Seafood Supply Chains

Increasing supply chain disruptions are driving a need for tools and indicators to help understand and build supply chain resilience and to better meet the triple bottom line for economic, social and environmental sustainability. Through its Valuing Sustainability Future Science Platform, CSIRO is working with stakeholders across seafood supply chains to help develop new tools to meet these needs.

Enabling resilient and sustainable supply chains

CSIRO is a world leader in developing measures of supply chain resilience that can support businesses to plan for and manage the effects of disruption such as pandemics, economic shocks, extreme environmental events and climate change. Through our Valuing Sustainability Future Science Platform we are extending this capability to develop measures and indicators for economic, social and environmental dimensions of supply chain sustainability and resilience. By working closely with stakeholders we are co-producing indicators that can support adaptive and equitable food supply systems in the future.

Read more about our *Resilience + Sustainability* project here: <https://research.csiro.au/vsfsp/resilience-plus/>

Working with oyster supply chains in Australia

CSIRO researchers have a strong history of working collaboratively with Australia's oyster industry and in research and development for oyster production. A focus of our research in the *Resilience + Sustainability* project will be to engage with representatives across oyster supply chains to understand their needs and concerns, and to co-develop indicators and tools to help meet these needs.

A key output will be the development of tailored indicator dashboards that can report on and predict dynamic changes in supply chains resilience and different measures of sustainability (environmental/social/economic) to help guide decision making and innovation.

Engagement with stakeholders will be through:

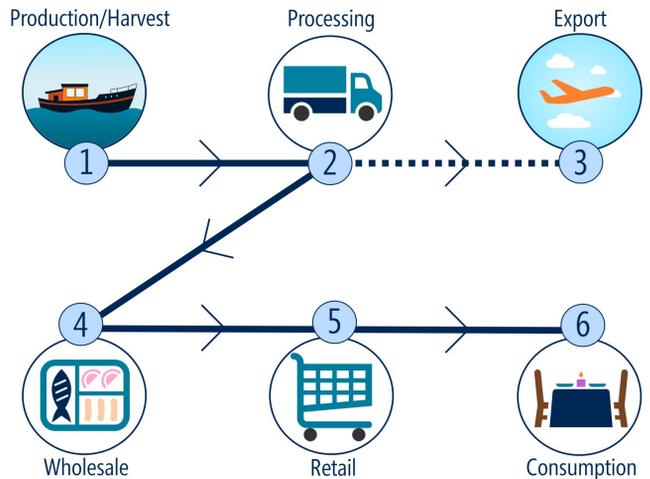
- Surveys and interviews
- Workshops to develop analytics and test indicators
- Regular updates on research progress and outputs



As Australia's national science agency and innovation catalyst, CSIRO is solving the greatest challenges through innovative science and technology.

CSIRO. Unlocking a better future for everyone.

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CSIRO's Valuing Sustainability Future Science Platform

Our Valuing Sustainability Future Science Platform (see <https://research.csiro.au/vsfsp/>) is developing next generation science that provides confidence that actions across supply chains lead to positive outcomes for the environment and for people. We are working with diverse groups in communities, across industries and supply chains, to co-develop and test measures of sustainability which reflect real and desirable outcomes and can guide investment and innovation for ongoing improvement.

Find out more about CSIRO Future Science Platforms here: <https://www.csiro.au/en/about/strategy/Future-Science-Platforms>

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 tools and indicators. From 2022-2025, we have the opportunity to conduct fully funded research where industry can partner with CSIRO at no direct cost. If you would like to explore this project and what it means for you, please contact Dr Jess Melbourne-Thomas or Dr Peggy Schrobback for further information.

For further information

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