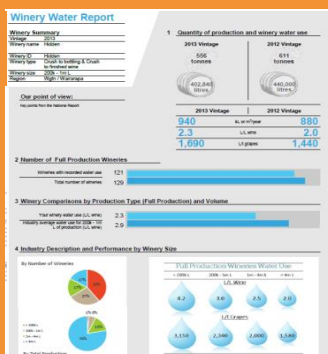


Newsletter

MAIN ACHIEVEMENTS IN 2014

- [Stakeholder workshop – June](#)
- [Adoption of the first version of the NZSD framework.](#)
- [Release of the Kiwifruit Dashboard prototype to report data for packhouses and orchards.](#)
- [Design with experts' review of the Māori Assessment tool.](#)
- [WiSE tool for wineries and vineyards to report scorecards has been launched the 16th of June.](#)



Wine individual water report

Sub-committee committed to funding the development of the dashboard through to its completion in 2017. For more information on the Kiwifruit packhouse Demo website, click on the picture.

Organic sector – The scoping study has been completed and the plan with BioGro is under development.

Aquaculture NZ – a MoU has been signed to support them with their own sustainability system development providing alignment with the Dashboard project.

Sheep & Beef – Relationships have been established with ANZCO to provide support to them for sustainability assessment to meet market and regulatory requirements.

OUR PROJECT

The New Zealand Sustainability Dashboard project is built on a core of existing capability and knowledge of the **Agriculture Research Group On Sustainability (ARGOS)** researchers, supplemented by additional specialist researchers and their international networks to build a practical tool for sustainability assessment, auditing, reporting and learning.

The New Zealand Sustainability Dashboard (NZSD) project is a six-year research programme which started in October 2012. It is funded by the **Ministry of Business, Innovation and Employment** as well as industry partners.

For more information on the project, please check the NZSD project website (www.nzdashboard.org.nz). You can find the previous newsletter (December 2013) by clicking [here](#).

MAIN INDUSTRY UPDATE

Wine – The WiSE (Wine industry Sustainability Engine) tool was launched on 16th of June. Separately National and Individual reports including benchmarking results have been delivered for Energy, Water and Agri-chemicals use – It is planned that they will be integrated in the WiSE tool next year.

Kiwifruit – The Packhouse and Orchard dashboard prototype tools were delivered in April and June respectively. These are currently being evaluated by Industry users and their feedback will be collected and reported by the end of September. In June the Zespri Board Innovation

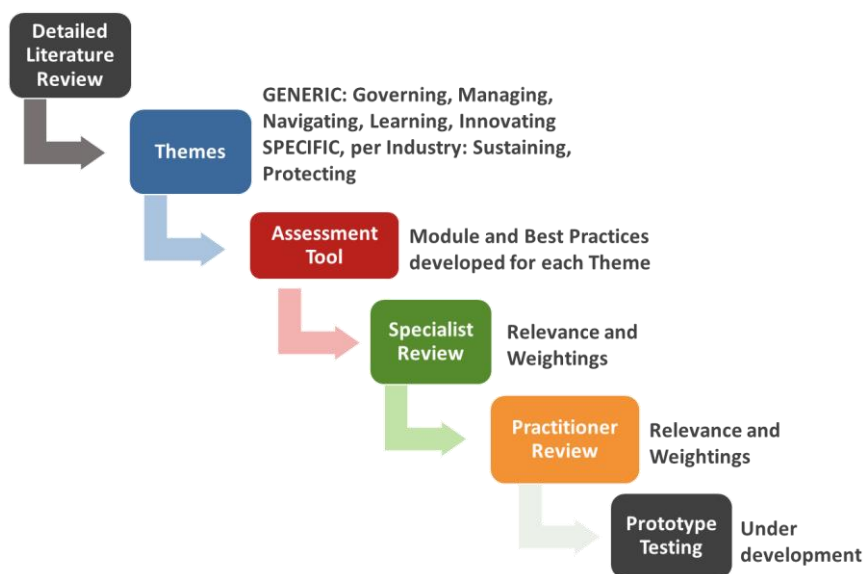


Kiwifruit packhouse Demo website

MAIN INDUSTRY UPDATE

Ngāi Tahu / Māori – As described in the diagram, the target is to develop a sustainability assessment tool for Māori enterprises, covering multiple industries like Māori Farming, forestry and seafood. The design has been reviewed by experts (Specialist and Practitioner) and a first prototype to assess the best off-the-shelf online tool has been delivered in May. An online version of the prototype tool is now under development and is due to be completed by October.

Forestry – Courteney Sealey is the new Industry Leader for Forestry. Literature of Montreal Process and Māori Worldview is under review to build the forestry framework.



Design of the assessment tool for Māori enterprises

LATEST NEWS

For more information: <http://www.nzdashboard.org.nz/news.html>

30th June 2014 – Wellington Dr Catriona MacLeod presented at the Regional Council Biodiversity Working Group meeting an overview of the NZSD assessment framework and the biodiversity risk assessment framework – with a target to develop a case study next year.



June 2014 – Wellington and Auckland at the 2014 Winter lecture Series organised by the University of Otago: Professor Henrik Moller presented an overview of the NZSD project to a mixed audience of researchers, policy makers, politicians, industry professionals and interested members of the public. [The talk has been live-streamed click to see it.](#)

April 2014: Berlin, Germany at 11th European IFSA conference. Dr Lesley Hunt was a speaker in the Workshop, ‘The development of more entrepreneurial farming systems and the move towards a more farm-level approach to innovation and learning’, at the Symposium “*Farming systems facing global challenges: Capacities and strategies*”. Abstracts available [here](#) and her paper [here](#).

February 2014: Noto, Japan at the ‘International Workshop on Sustainable Management of SocioEcological Production Landscapes’ Professor Henrik Moller was an Invited speaker at the expert workshop: “*Design of Indicators for Co-management of Production Landscapes: Joining Science, Traditional and Local Knowledge, Policy Expertise and Consumers for Sustainability*” and as well a Keynote speaker at the workshop public Forum. Full Report and presentation available [here](#).

February 2014: Dr John Reid at TEDxQueenstown 2014 – [The Power Of Animism](#), Queenstown, New Zealand.

Contacts

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STAKEHOLDER WORKSHOP – 19TH JUNE 2014

In addition to numerous industry stakeholders workshops held in the last 6 months, the **annual stakeholder workshop** was on the 19th June, at the Antarctic Center in Christchurch. We would like to thank our speakers that made this event really successful.

Participants were people

- From our Advisory Group Morgan Williams (Future Steps) or John Bright (Aqualinc),

“The workshop highlighted lots of evidence of a potentially transformational initiative and one that is vital to NZ’s agri-food businesses ongoing competitiveness in global food and fibre markets - and social licence to operate in NZ society” - Dr. Morgan Williams, Future Steps.

- From Government agencies -MPI (Jodie Campbell), Stats NZ (Jeff Cope) and representatives from DOC
- From our Industry partners (Karen Bryant from NZ Wine, Mary Black from Zespri, Michelle Glogau from BioGro, Jymal Morgan and Robin McIntosh from Te Rūnanga o Ngāi Tahu)
- From our other partners (Rebecca Clarkson from Aquaculture NZ and Simon Langley from ANZCO)
- Representatives from Regional Councils
- The Research team (Jon Manhire, Professor Henrik Moller, Dr Catriona McLeod, Dr John Reid, Dr Charles Merfield, Dr Jayson Benge, Dr Lesley Hunt, Andrew Barber, Ben Reid, Dr Tim Payn and Courteney Sealey)

Presentations covered a large range of subjects, starting with general descriptions of the NZSD project as well as updates on the research. Jodie Campbell from MPI provided a very interesting presentation on MPI initiatives to enhance the verification of New Zealand products and supporting attributes including sustainability values. Industry partners provided presentations on their perspective of drivers for sustainability assessment and reporting and rationale for links with the NZSD project. There were also presentations on aligned research projects - *Maximising Export Returns, Building Trustworthy Biodiversity Measures and Wheel of Water.*

Participants have received a survey to collect feedback. It seems the workshops have answered their expectations. About the presentations: we have received a very good general feedback around the quality, the duration (10/15mns slots) and the variety and large scope of topics of the presentations. They have shared with us the main opportunities they see for the project;

- Networking and cross learning among different industry sectors that share main drivers - as it has been proved during the whole workshop.
- Benchmarking and driving improvement, change behaviour
- Promote self-environmental regulation
- Build something useful that could become a marketing tool too

We have as well received some very good suggestions for next years’ workshop in relation to the venue and the workshop organization, but as well around the risks we should address in priority.

“I got a lot out of today. The most important lesson is the importance of managing the messages coming out of the Dashboards. It’s an opportunity and threat depending on the expectation of the participants.” – John Bright, Aqualinc.

STAKEHOLDER WORKSHOP, 19TH JUNE



Jodie Campbell, Senior Analyst at MPI



Morgan Williams, Future Steps



The assembly



OTHER RESEARCH UPDATE

Work done on the three main features:

1- Sustainability assessment framework:

Framework and KPI selection: Framework and KPI selection: The NZSD framework has been issued after reviewing international and national frameworks, and specifically NZ needs to do with indigenous culture, farming systems and national strategic visions. This framework is described and justified in a synthesis report. It has 4 pillars – Good Governance, Economic Resilience, Agro-environmental Integrity and Social Well-being with associated outcomes, objectives and indicators. This report has been reviewed by external and internal peer reviewers and is currently under final review.

GAP analysis: an analysis comparing the NZSD framework with some existing frameworks, standards or reporting schemes, such as GRI (Global Reporting Initiative), IR (Integrated Reporting) and SAI (Sustainable Agriculture Initiative), is currently being conducted. The target is to highlight any missing topics in the NZSD framework and to validate work done so far.



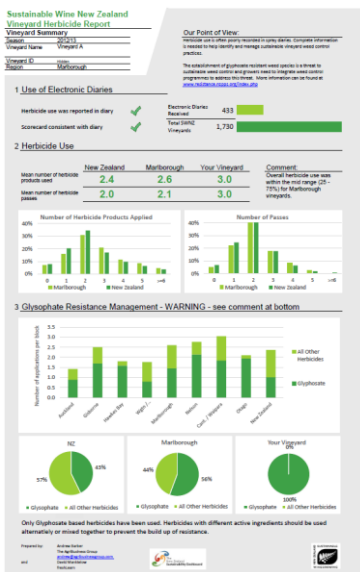
2- Monitoring and Reporting system:

Monitoring and Reporting systems have been set up through prototypes delivered to the Industry partners. Please check the Case studies section for more information.

3- Tools for learning:

- A whole farm performance model is under development, using Linear programming, using Kiwifruit as the initial trial modelling industry. A simple model has been constructed and is being tested to be further expanded.
- Through the Wine case study, a methodology to develop learning tools has been defined and will be released soon. The methodology has led to the development of the Individual reporting for growers and wineries on Energy, Water and AgChemicals, analysing and benchmarking existing data. Visuals have been used to make it interesting and easy to understand at a glance, using large eye-catching format. Whenever it is possible the reporting include:

- Connection with other databases like rainfall average (irrigation) or electronic spray diaries (Agchem).
- Links to learning resources, and customised analysis.
- Flagged comments to help understanding data.
- Meaningful charts using data analysis techniques.



Wine individual AgChemical report

UPCOMING RESEARCH

- **KPI selection** – a condition of funding support from MBIE was that the KPIs used in the Dashboard are scientifically robust and linked to farm practices. The team is preparing information to validate its work in this area.
- **A Choice modelling experiment**, using 1000Minds software, to determine weightings assigned by different stakeholders for the different pillars, goals and objectives of the NZSD indicator framework, is currently under peer-review and consultation to check if we will proceed with this methodology.

