

Co-designing an online tool for on-farm biodiversity assessment

A PROOF-OF-CONCEPT



Manaaki Whenua
Landcare Research



Conservation
Evidence
Evidence to improve practice



How wildlife-friendly are my farm actions



REQUIRES A BIODIVERSITY TOOL ...

Relevant to my farm,
and my interests



NZ FARMERS & GROWERS

To reflect what our
consumers value



To help us meet
NZ reporting and
management needs

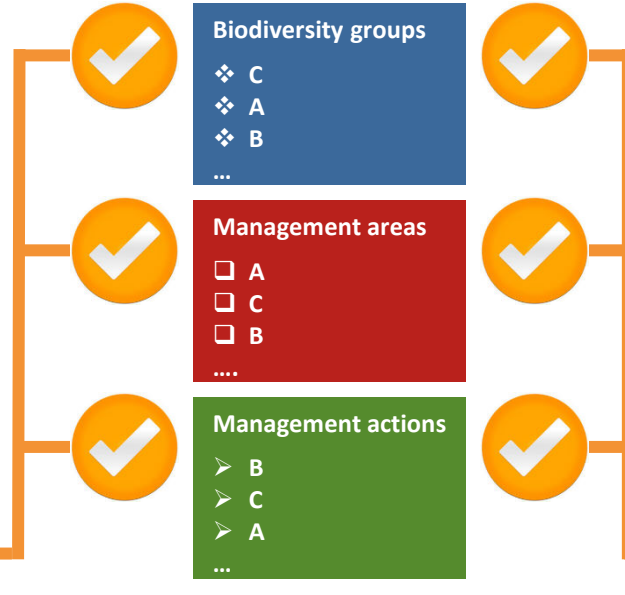


**BIODIVERSITY MANAGERS,
ADVISORS & CONSULTANTS**



A staff member from Dairy NZ was also involved

ABILITY TO TELL NZ'S BIODIVERSITY STORY



200+ farmers, growers & other interested parties

WHAT WILL BE USEFUL?

PRIORITISED LISTS *

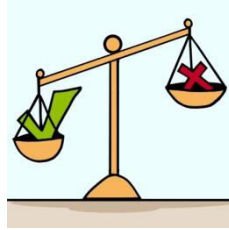
BIODIVERSITY TOOL SURVEY

WHAT MATTERS TO NEW ZEALAND?

* Our online prioritisation exercise drew on the experience of individuals from certain organisations; the results reflect those responses, rather than the policy or perspective of their organisation.

Scores biodiversity performance based on the latest research and specialist judgement

SPECIALIST JUDGEMENT



LATEST SCIENTIFIC RESEARCH

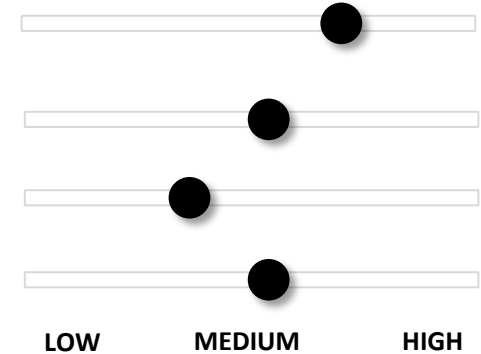
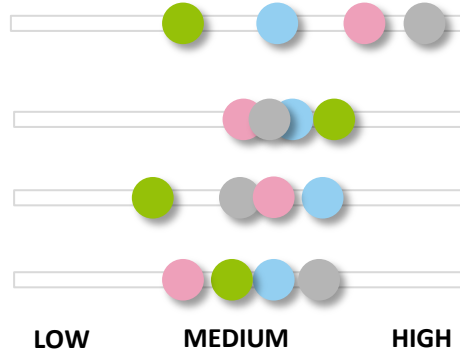


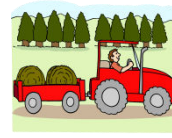
CONSENSUS ON JUDGEMENT-BASED BIODIVERSITY SCORES



INDIVIDUAL SCORES

CONSENSUS SCORES

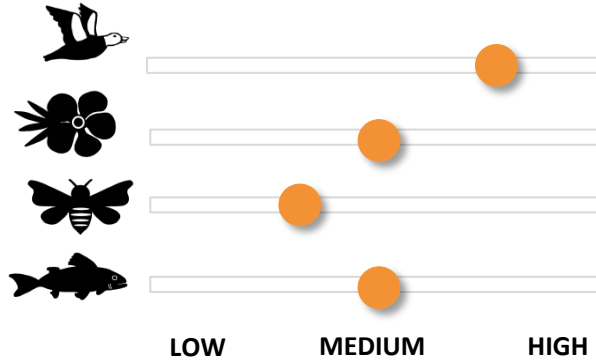




HOW WILDLIFE-FRIENDLY ARE MY FARM ACTIONS?



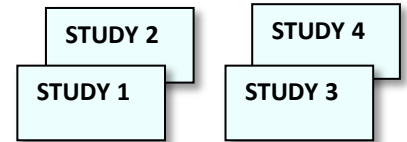
Specialist judgement



Biodiversity scores

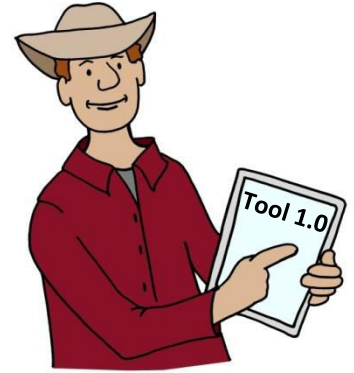


Latest scientific research



Easy to evaluate how friendly farm actions are for different kinds of biodiversity

Online Biodiversity Tool 1.0



DESIGN A MANAGEMENT CHECKLIST THAT ALLOWS US TO TELL NZ'S BIODIVERSITY STORY



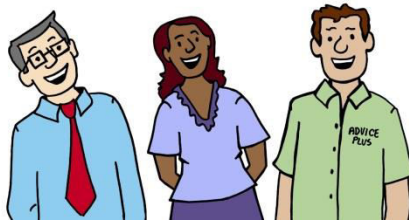
Online surveys & prioritisation exercise



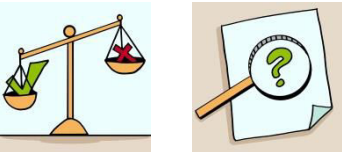
Ability to tell NZ's biodiversity story

- Biodiversity groups
- ❖ C
 - ❖ A
 - ❖ B
 - ...

- Management actions
- B
 - C
 - A
 - ...

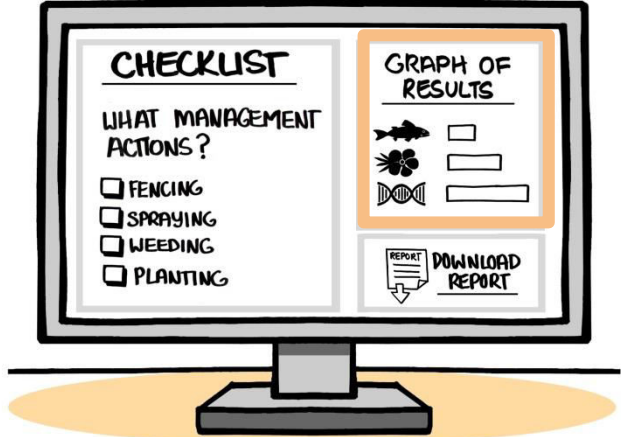
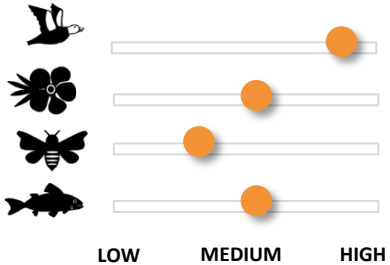


USE SPECIALIST-EVALUATED SCORES TO REPORT EXPECTED BIODIVERSITY PERFORMANCE

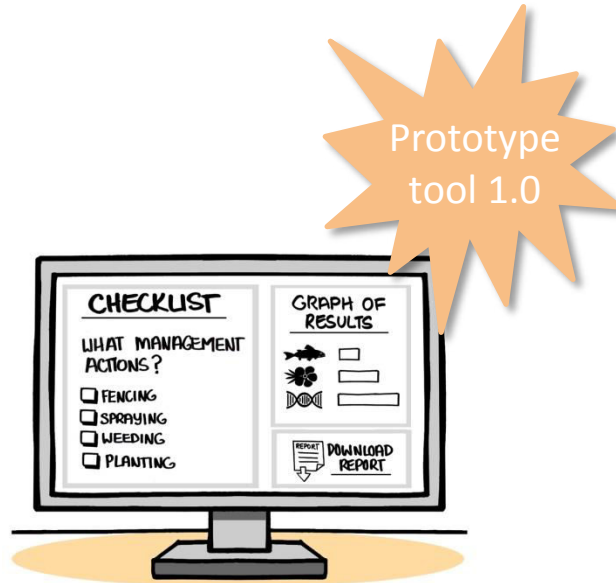
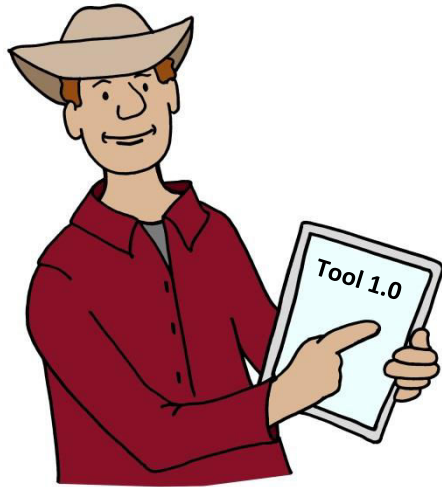


How wildlife friendly are my management actions?

Specialist judgement
& latest research



INVITE END-USERS TO TEST PROTOTYPE TOOL AND PROVIDE FEEDBACK



DELIVER A TOOL THAT IS USEFUL AND EASY TO USE

Online
Biodiversity
Tool 3.0



Proof of concept



Recommended next steps

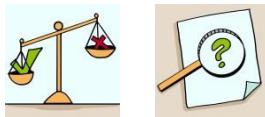
Lessons learnt

Ensure uptake by delivering tools that are useful & relevant



Ability to tell NZ's biodiversity story & how NZ is working to enhance it

Provide cost-effective solutions to evidence complacency



Scores biodiversity performance based on the latest research and expert judgement

Narrow the gap between practice & performance



Easy to evaluate how friendly farm actions are for different kinds of biodiversity

CHALLENGE

TOOL FEATURE

OUTCOMES

BY-PRODUCTS

Stakeholders co-design a tool that incorporates what matters to them

NZ specialists work together to ensure best use of global scientific evidence

Stakeholders empowered to make informed decisions

Understand & alignment with stakeholder values

Overcome evidence barriers & identify key knowledge gaps

Ensure tool governance meets user needs

THANKS! ...

Now we have a proof-of-concept for co-designing sustainability assessment tools

Learn more:

www.nzdashboard.org.nz/biodiversity-assessment-tool.html