



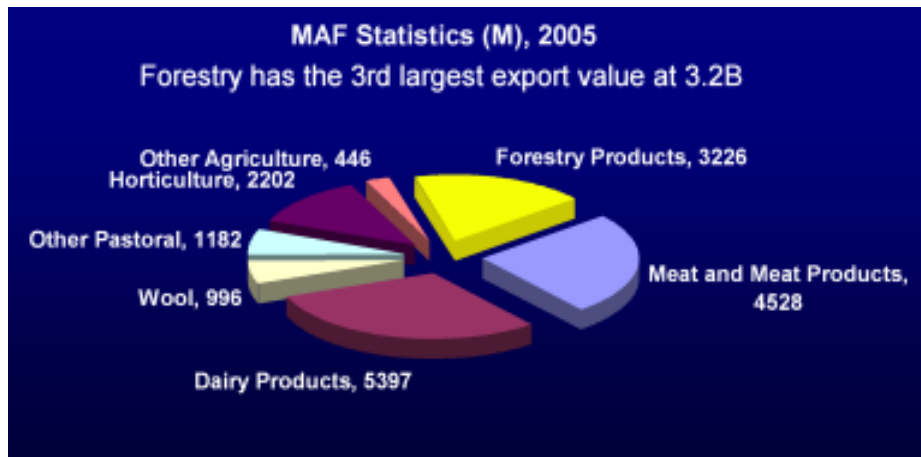
Biosecurity FRST programme planning

Tod Ramsfield
6 March 08

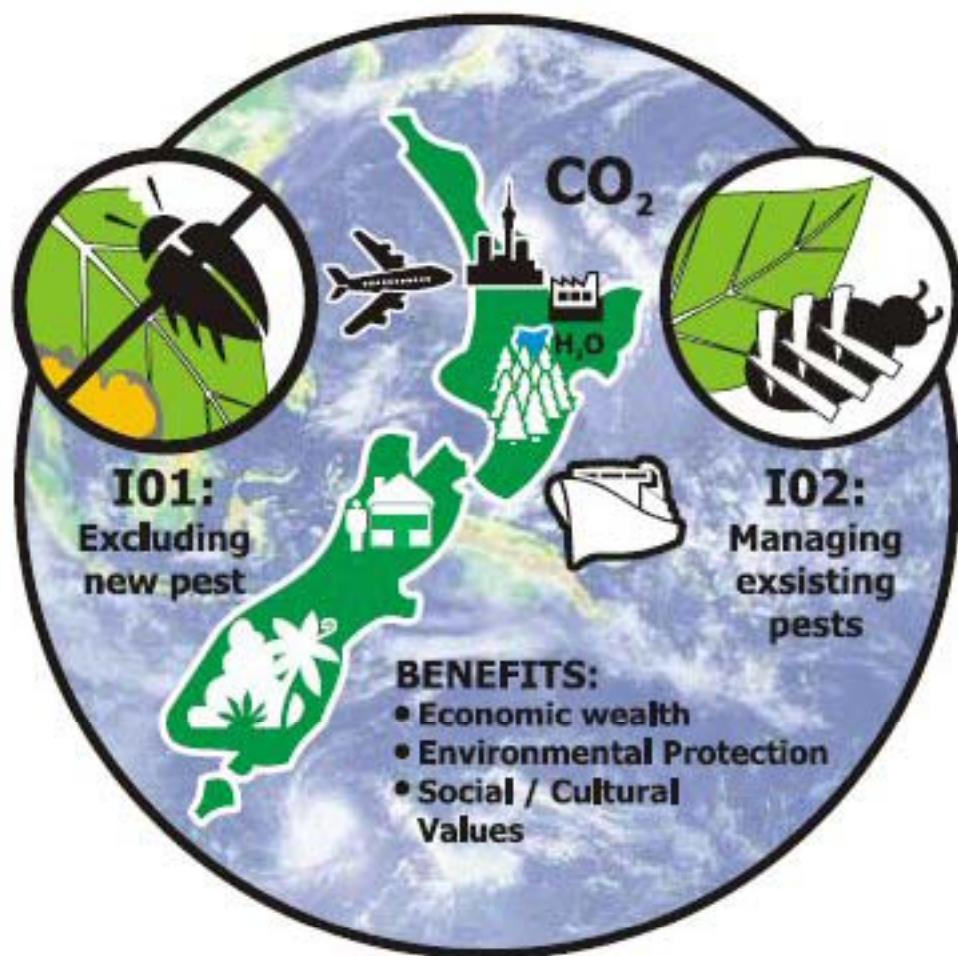
- Contract Name: Biosecurity, protection and risk management of New Zealand's forests.
- Contract No: C04X0302
- Leader: Tod Ramsfield
- \$ Value PA: 2,222,130.00 + cofunding
- Portfolio: Sustainable Production Systems
- Note: Transfer of Objective 2 (346K) to the Better Border Biosecurity OBI in 2005.
- Term 2003 – 2008.
- Invited to negotiate with FRST.

- **Vision:** To protect New Zealand's forests in perpetuity from pests.
- Targets SPS2 – Biosecurity threats to production and markets stopped at the border, eliminated or managed post border.

With increasing globalisation and decreasing transport times, it is expected that biosecurity will continue to be an important issue that our research must rise to meet.



- Engagement with FBRC to develop intermediate outcomes for terms sheets.
- Reference to Biosecurity Strategy and FBRC research strategy documents.
- Terms sheets are high level guides for the programme that have been agreed upon by FRST and Scion.
- Better Border Biosecurity (B3), want to complement B3 programme.



New pests excluded –
focussed on
preventing the
establishment of new
forest pests.

Existing pests managed –
continue to increase
our understanding of
established pests to
reduce their impacts.

*Pests – insects, pathogens,
weeds.

FRST BIOSECURITY

IO 1: New Pests Excluded
30%

IO 2: Existing Pests Managed
70%

Biosecurity risk
Reduction 70%

Incursion response
30%

Pest ecology
50%

Pest management
50%

Risk analysis

Factors influencing
invasiveness

Pest proofing forests

Pest ecology

DNA based
diagnostics

New technologies

Bark beetles

Uraba lugens

Armillaria root disease

Septoria leaf blight

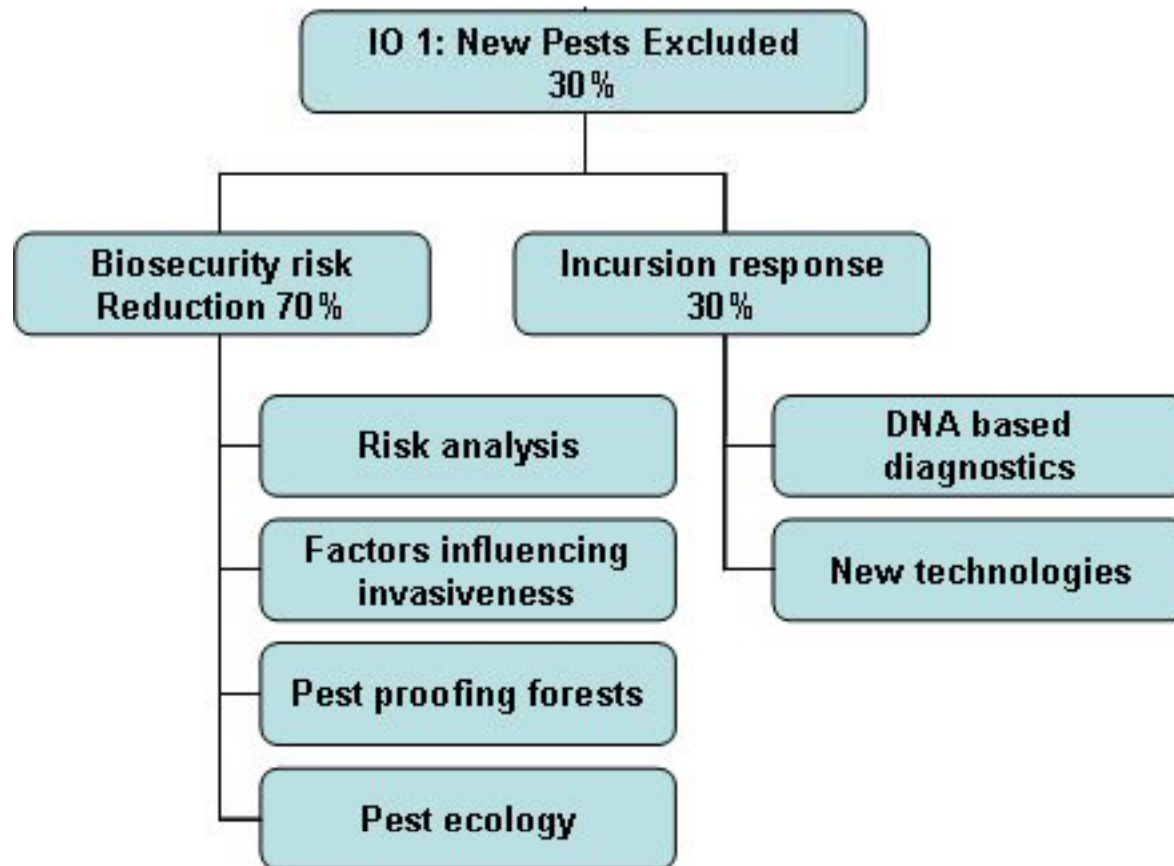
Pseudocoremia suavis

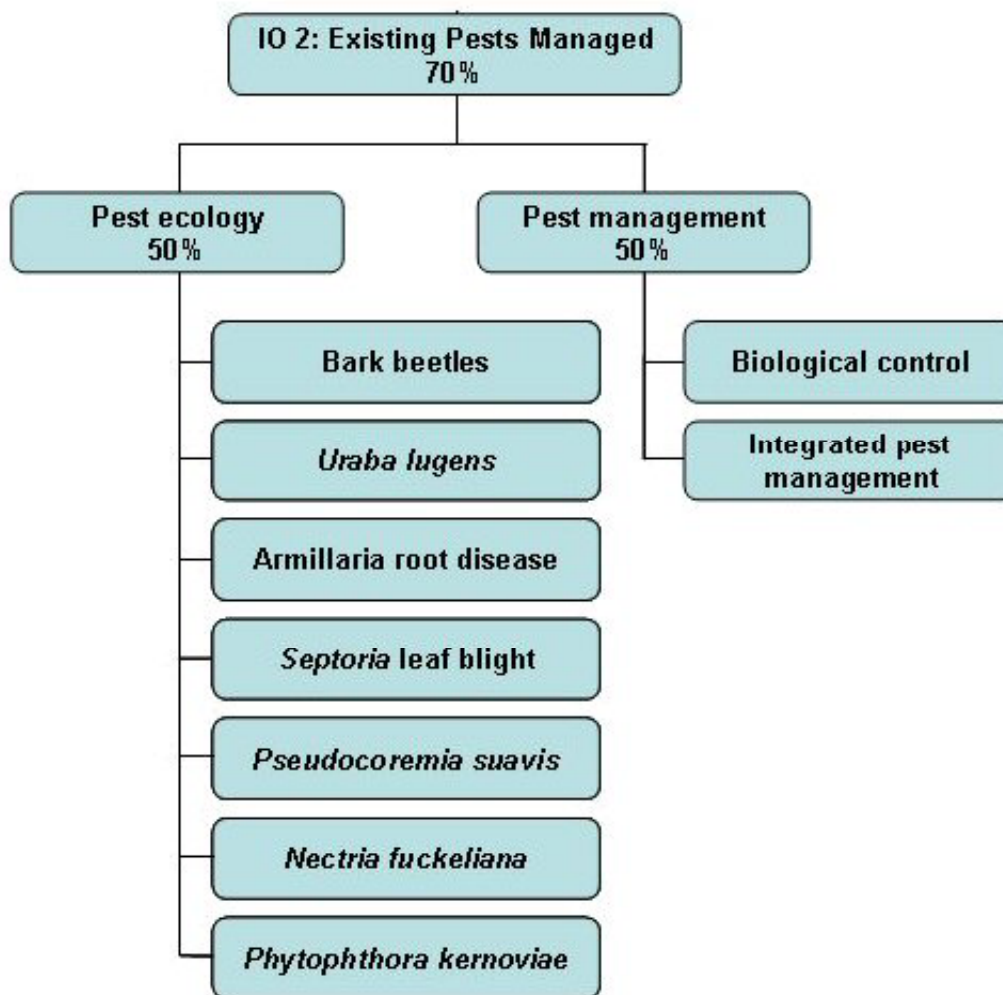
Nectria fuckeliana

Phytophthora kernoviae

Biological control

Integrated pest
management





- Feedback from industry.
- FRST negotiation document completed and submitted.
- April – Quality Assurance process includes auditors from government and research labs.
- Following QA, contracting process.

- FBRC science strategy.
- FBRC input on terms sheets.
- FBRC input on research structure and effort.
- Feedback has been sought on the draft negotiation document.
- Additional feedback is welcome – direct or through MAF / FOA reps.

- Negotiation is based on an eight year time frame.
- Research spread over that timeframe.
- Need to be responsive to changing priorities.