

## SIG Research Priorities

<b>DATE</b>	As at 1 June 2015	
<b>SIG:</b>	<b>Biosecurity</b>	
<b>SIG CONTACT:</b>	Richard Bowman	
<b>RESEARCH PRIORITIES</b>	Ranking	Priority
	1	Improved surveillance and detection – terrestrial, marine, and freshwater
	2	Pathway analysis - terrestrial, marine, and freshwater <ul style="list-style-type: none"> <li>• To implement the “pathways management” approach</li> <li>• Quantification of movement mechanisms for priority pests</li> </ul>
	3	Novel tools, tactics and strategies for pest and weed control, and Improvement of existing tools, tactics and strategies
	4	Risk analysis and prioritization - terrestrial, marine, and freshwater <ul style="list-style-type: none"> <li>• Improved risk assessment tools to target effort</li> </ul>
	5	Development of novel tools for scaling up: landscapes and seascapes
	6	Data Management - terrestrial, marine, and freshwater <ul style="list-style-type: none"> <li>• Collation, analysis, interpretation and modelling of the large volume of data generated by existing threat management activities</li> </ul>
	7	Improved ecological monitoring - terrestrial, marine, and freshwater
	8	Ecosystem services and valuation of natural assets - terrestrial, marine, and freshwater
	9	Social science and citizen science - terrestrial, marine, and freshwater <ul style="list-style-type: none"> <li>• Appropriate design of citizen science projects; raising awareness</li> </ul>
10	Modeling to predict future scenarios and risks - terrestrial, marine, and freshwater	
<b>OTHER INFORMATION:</b>	“B&B research priorities 2015” – (May 2015 - a spreadsheet) “Strategic roadmap for biosecurity and biodiversity research” (Feb 2015)	

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DATE	As at 1 June 2015	
SIG:	<b>Biodiversity</b>	
SIG CONTACT:	Jonathan Boow	
RESEARCH PRIORITIES	Ranking	Priority
	1	Risk analysis and prioritization <ul style="list-style-type: none"> <li>• Relates to the valuation of natural assets</li> </ul>
	2	Data management
	3	Ecosystem services and valuation of natural assets <ul style="list-style-type: none"> <li>• Quantifying the value of NZ's biodiversity in monetary and non-monetary terms; and the value to NZ's economy</li> </ul>
	4	Ecological monitoring <ul style="list-style-type: none"> <li>• Development of monitoring tools, technologies and strategies that are cost-effective, simple to use, and sufficiently sensitive to changes in the resource indicators. This includes development (or in some cases refinement) of cultural indicators of biodiversity and mātauranga approaches.</li> </ul>
	5	Novel tools, tactics and strategies for pest and weed control
	6	Pathway analysis
	7	Social science and citizen science
	8	Improvement of existing tools, tactics and strategies
	9	Modeling to predict future scenarios and risks
	10	Scaling up: landscapes and seascapes
	11	Surveillance and detection
OTHER INFORMATION:	<p>"B&amp;B research priorities 2015" – (a spreadsheet)</p> <p>"Strategic roadmap for biosecurity and biodiversity research" (Feb 2015)</p>	