

Conservation and Environment Science Roadmap

Copy of your submission



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Submitter type Professional Body

1. Have we identified the major drivers, trends and issues Government will need to address over the next 20 years? Yes

Your comments

2. Have we identified the most important key themes to address in the roadmap? Yes

Your comments

Climate Change

3. Do you agree with the proposed enduring question? Yes

Your comments

4. Do you agree with the proposed vision/goals? No

Your comments

Needs to include an additional goal: The impacts of climate change are better communicated to the regulatory and business sectors to facilitate the significant step-change needed for urban and rural land use.

5. Do you agree with the proposed emerging ideas? No

Your comments

Additional idea: Developing low transport models for urban development to support low-carbon choices.

6. Do you agree with the proposed research questions? Yes

Your comments

7. Do you agree with the new or expanding capability needs? Yes

Your comments

8. Do you have any other comments you wish to make about the climate change theme? No

Integrated ecosystems and processes

9. Do you agree with the proposed enduring question? Yes

Your comments

10. Do you agree with the proposed vision/goals? No

Your comments

Add: Ecosystems and ecosystem processes are sufficiently protected to allow for and to support cultural and social well-being, and customary practices across domains.

11. Do you agree with the proposed emerging ideas? Yes

Your comments

12. Do you agree with the proposed research questions? Yes

Your comments

13. Do you agree with the new or expanding capability needs? Yes

Your comments

14. Do you have any other comments you wish to make about the integrated ecosystems and processes theme?
No

Freshwater ecosystems and processes

15. Do you agree with the proposed enduring question? Yes

Your comments

16. Do you agree with the proposed vision/goals? No

Your comments

Add: Ecosystems and ecosystem processes are sufficiently protected to allow for and to support cultural and social well-being, and customary practices across domains.

17. Do you agree with the proposed emerging ideas? Yes

Your comments

18. Do you agree with the proposed research questions? Yes

Your comments

19. Do you agree with the new or expanding capability needs? Yes

Your comments

20. Do you have any other comments you wish to make about the freshwater ecosystems and processes theme?
No

Land ecosystems and processes

21. Do you agree with the proposed enduring question? No

Your comments

How can we manage our lands to sustain and increase conservation and environmental performance while continuing to foster sustainable land use?

22. Do you agree with the proposed vision/goals? Yes

Your comments

23. Do you agree with the proposed emerging ideas? Yes

Your comments

24. Do you agree with the proposed research questions? No

Your comments

Modify:

4.3 How can endangered biodiversity best be protected at national scale within the matrix of competing land uses?

25. Do you agree with the new or expanding capability needs? No

Your comments

Better understanding of endangered biodiversity so they can be protected at national scale

26. Do you have any other comments you wish to make about the land ecosystems and processes theme? No

Coastal and marine ecosystems and processes

27. Do you agree with the proposed enduring question? Yes

Your comments

28. Do you agree with the proposed vision/goals? Yes

Your comments

29. Do you agree with the proposed emerging ideas? No

Your comments

New opportunities to restore and rejuvenate coastal ecosystems through sea-level rise.

30. Do you agree with the proposed research questions? Yes

Your comments

31. Do you agree with the new or expanding capability needs?

Your comments

More effective modelling to understand and manage coastal ecosystem rejuvenation through sea-level rise.

32. Do you have any other comments you wish to make about the coastal and marine ecosystems and processes theme? No

Urban ecosystems and processes

33. Do you agree with the proposed enduring question? Yes

Your comments

34. Do you agree with the proposed vision/goals? Yes

Your comments

35. Do you agree with the proposed emerging ideas? No

Your comments

Add:

Densification of NZ urban areas is reducing indigenous ecosystems in urban areas.

Restoring indigenous ecosystems in town, where many alien predators are absent or more controllable.

36. Do you agree with the proposed research questions? No

Your comments

6.5 Can we develop models for the restoration of indigenous ecosystems and habitats in urban areas, as part of urban green infrastructure?

37. Do you agree with the new or expanding capability needs? No

Your comments

Urban ecologists and designers modelling restoration of indigenous ecosystems and habitats in urban areas

38. Do you have any other comments you wish to make about the urban ecosystems and processes theme?
Yes

Your comments

New Zealand stands alone as viewing urban areas as biodiversity deserts, the conversation and action overseas is all about green cities, where indigenous biodiversity is part of the fabric of urban areas.



Populations and species

39. Do you agree with the proposed enduring question? Yes

Your comments

Is this triage? We are at the point where there are probably no more cost savings to be made, without a cascade of extinctions.

Rephrase:

Are there smarter and more innovative ways of managing and protecting our indigenous biodiversity in the face of multiple and increasing cumulative challenges?

40. Do you agree with the proposed vision/goals? Yes

Your comments

41. Do you agree with the proposed emerging ideas? Yes

Your comments

42. Do you agree with the proposed research questions? Yes

Your comments

43. Do you agree with the new or expanding capability needs? Yes

Your comments

44. Do you have any other comments you wish to make about the populations and species theme? No

Biosecurity

45. Do you agree with the proposed enduring question? Yes

Your comments

46. Do you agree with the proposed vision/goals? Yes

Your comments

47. Do you agree with the proposed emerging ideas? Yes

Your comments

48. Do you agree with the proposed research questions? Yes

Your comments

49. Do you agree with the new or expanding capability needs? Yes

Your comments

50. Do you have any other comments you wish to make about the biosecurity theme? No

Mātauranga Māori

51. Do you agree with the proposed enduring question? Yes

Your comments

52. Do you agree with the proposed vision/goals? Yes

Your comments

53. Do you agree with the proposed emerging ideas? Yes

Your comments

54. Do you agree with the proposed research questions? Yes

Your comments

55. Do you agree with the new or expanding capability needs? Yes

Your comments

56. Do you have any other comments you wish to make about the mātauranga Māori theme? No

Social and economic dimensions

57. Do you agree with the proposed enduring question? Yes

Your comments

58. Do you agree with the proposed vision/goals? Yes

Your comments

59. Do you agree with the proposed emerging ideas? No

Your comments

Add (this is not just an urban dweller issue):

New Zealanders (urban and rural) are becoming increasingly disconnected from the natural environment and indigenous biodiversity, and struggle to appreciate their own needs and responsibilities.

60. Do you agree with the proposed research questions? Yes

Your comments

61. Do you agree with the new or expanding capability needs? Yes

Your comments

62. Do you have any other comments you wish to make about the social and economic dimensions theme? No

Informatics, modelling and monitoring

63. Do you agree with the proposed enduring question? Yes

Your comments

64. Do you agree with the proposed vision/goals? Yes

Your comments

65. Do you agree with the proposed emerging ideas? Yes

Your comments

66. Do you agree with the proposed research questions? Yes

Your comments

67. Do you agree with the new or expanding capability needs? Yes

Your comments

68. Do you have any other comments you wish to make about the informatics, modelling and monitoring theme?
No

New and emerging technologies

69. Do you agree with the proposed enduring question? Yes

Your comments

70. Do you agree with the proposed vision/goals? Yes

Your comments

71. Do you agree with the proposed emerging ideas? Yes

Your comments

72. Do you agree with the proposed research questions? Yes

Your comments

73. Do you agree with the new or expanding capability needs? No

Your comments

Understanding how citizen science can have faster adoption of new technology for scenario and modelling tools

74. Do you have any other comments you wish to make about the new and emerging technologies theme? No

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Ministry for the
Environment
Manatū Mo Te Taiao

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75. Do you agree with the proposed criteria for establishing research priorities? Yes

Your comments

76. What benefits do you see a conservation and environment science roadmap providing?
Some certainty for central and local government priorities and funding.
A way forward for professionals and the public adding value to national initiatives.

77. Do you have any other comments you wish to make? No

Your comments

Please check this box if you would like your name, address, and any personal details withheld.