

| SIG Research Priorities |  |  |
|-------------------------|--|--|
| DATE                    | As at 1 June 2015  |  |
| SIG:                    | <b>Land Managers Group</b>   |  |
| SIG CONTACT:            | Simon Stokes   |  |
| RESEARCH PRIORITIES     | Ranking  | Priority   |
|                         | 1  | Identify & quantify the costs and benefits of different best management practices, including whole farm planning, to increase uptake of best practice tools and technologies   |
|                         | 1  | Understand farmer motivation & behaviour including social, economic and psychological factors (e.g. succession, risk etc.) and use to improve uptake of best practice tools and technologies including whole farm planning |
|                         | 3  | Improve the fitness for purpose of the NZLRI and LUC to better account for contemporary & alternative land use options and allow for use in regulating nutrient loss   |
|                         | 3  | Understand and support community & public values across land and water, including the science needed to ensure cost-effective and collaborative implementation of the FW reforms   |
|                         | 5  | Develop & test better input data on erosion and sediment generation to enhance the performance of erosion/sediment modelling   |
| OTHER INFORMATION:      | <p>Note - there are additional, unranked, priorities in LMG document<br/> “Land Managers Group Minutes 11-12 March 2014”<br/> “Strategic Roadmap for Land and Water” (June 2014)</p> |  |

| SIG Research Priorities |   |   |
|-------------------------|---|---|
| DATE                    | As at 1 June 2015   |   |
| SIG:                    | <b>Land Monitoring Forum</b>  |   |
| SIG CONTACT:            | Reece Hill  |   |
| RESEARCH PRIORITIES     | Ranking   | Priority  |
|                         | 1   | Enhance the coverage, quality, and interoperability of S-map, land cover and land use information   |
|                         | 2   | Develop improved input data on erosion and sediment generation to enhance the performance of erosion and sediment modelling                                 |
|                         | 3   | Establish a cost-effective and easy to implement indicator of soil health   |
|                         | 4   | Quantify the value of ecosystem services (ES) to water quality, production, biodiversity & carbon outcomes  |
|                         | 5   | Test alternative options / refresh NZLRI and LUC to better account for contemporary and alternative land uses and allow use in regulating nutrient loss     |
|                         | 6   | Determine rate and impact of the loss of high class soils, change in ownership and land fragmentation on economic potential and ecosystem service provision |
|                         | 7   | Identify and quantify the costs and benefits of different BMPs, including whole farm plans  |
|                         | 8   | Understand farmer motivation, behaviour, and psychology to improve uptake of BMP and technologies   |
|                         | 9   | Classify NZ catchments according to pressure, state and impacts   |
| OTHER INFORMATION:      | "LMF ranking of research priorities May 2015"<br>"Strategic Roadmap for Land and Water" (June 2014) |   |