These examples are intended to provide a guideline as to how researchers with different levels of experience might go about filling in the Research Plan.

**Example One – Developing Researcher**

**Goals**

|  |  |  |  |
| --- | --- | --- | --- |
| *How would you identify yourself as a researcher? (Developing , Established, Expert)* | *What is your over - arching research aspiration or vision?*  | *What impact do you aim for your research to have?*  | *Does your research have potential for social, environmental, cultural or economic innovation or commercialization?*  |
| Developing Researcher (Experienced social practitioner with no research publications) | To strengthen the sense of community in west Auckland - consistently meet the Research Traffic Light requirements | Reduce the number of 18 – 25 year old west Aucklander’s not in training or employment. | I have been working on an app, which helps youth to navigate trades training. |

|  |  |
| --- | --- |
| *Meet criteria of* [*Research Productivity Traffic Light*](http://thenest.unitec.ac.nz/unitecintranet/index.cfm?43B27D75-610D-454D-B393-1F661DE48E37#Mechanisms%20for%20Research%20Tracking/Planning) *(one research output produced per year, or two across two years, in ROMS)* | Yes |
| *Gain* [*PBRF*](http://thenest.unitec.ac.nz/unitecintranet/departments-and-services/academic-development/research--postgraduate-studies/research-outputs-and-activity/en/pbrf.cfm) *rank (to achieve a competitive research portfolio you will generally need to publish two quality assured outputs per year)* | Not at this stage |
| *Win external research grants* | I would eventually like to get to a point where I can lead a research project that attracts external funding. |
| *Contribute to Industry Funded projects* | I am interested in the [Metro Voucher project scheme](http://thenest.unitec.ac.nz/unitecintranet/index.cfm?CB9A1E36-CFFC-40F9-B84E-F1404AD83BE2#External Funding) that offers co-funding for smallish research projects. |
| *Other* |  |

**Research Plan**

|  |  |
| --- | --- |
| Proposed Research Activity (experiment, project, dissemination)  | Project 1 title |
| *Short summary of project* | I would like to join a research team that is engaged in research that draws from my strengths and skills. I need help from my research leader to find this team.  |
| *Industry / community partnerships* | Work with Pathway Research Leader & Research Partner to find collaborators and get started. |
| *Research Professional Development needs* | Undertake grant application workshop.Undertake “Turbo charge your writing” Master Class. |
| *Mentor / Mentee relationships* | This year I will be mentored by Associate Professor XX, we may be able to co-publish together. |
| *Planned outputs and any related requests for financial support* | - Co-author on [ePress](http://www.unitec.ac.nz/epress/) article with experienced researcher- Presentation (non conference) at an Auckland industry event- No funding required  |
| *Planned funding sources* | - Our team may need some seed funding through the [new research start up project fund.](http://thenest.unitec.ac.nz/shadomx/apps/fms/fmsdownload.cfm?file_uuid=29CCB413-52A3-44FD-9693-9200D72FA8EA&siteName=unitecintranet) |
| *Research voucher possibilities* | Keen to work on subject related [Metro Research Voucher](http://thenest.unitec.ac.nz/shadomx/apps/fms/fmsdownload.cfm?file_uuid=29CCB413-52A3-44FD-9693-9200D72FA8EA&siteName=unitecintranet) |
| *Milestones* | *July 2018* | - get a team project underway |
|  | *Dec 2018* | - get a research output completed (ePress) |
|  | *2019* | - Having joined a research team, develop grant application- get second output completed (local conference) |

**Example Two – Expert Researcher**

**Aims**

|  |  |  |  |
| --- | --- | --- | --- |
| *How would you rank yourself as a researcher? (Developing, Established, Expert)* | *What is your over - arching research aspiration or vision?*  | *What impact do you aim for your research to have?*  | *Does your research have potential for social, environmental, cultural or economic innovation or commercialization?*  |
| Advanced Researcher, Associate Professor and leading a Unitec Strategic Research Focus. | To ensure that lichens are better understood, protected and even utilized where appropriate. I aim to be a leader in my field and grow the capacity of the Strategic Research Foci that I lead. | I am generally dedicated to research, which improves NZs biodiversity with a specialized emphasis on lichens. | I have been Investigating lichen for novel chemicals for application in the pharmaceutical industry. |

|  |  |
| --- | --- |
| *Meet criteria of Research Productivity Traffic Light (one research output produced per year, or two across two years, in ROMS)* | Yes |
| *Gain PBRF rank* | Yes |
| *Win external research grants* | Yes |
| *Contribute to Industry Funded projects* | Yes |
| *Other: Lead a Research Team / Lead a Research programme*  | Yes |
| Proposed Research Activity (experiment, project, dissemination)  | Project 1 Revisiting old friends: Using molecular data to characterise the diversity of a lichen genus (Parmotrema) in New Zealand. |
| Collaboration/Partnerships | Ben Danyon (EAS), Charlene Sofia (EAS), Peter de Carr (Department of Conservation), Ashoka Rajan (Rome). |
| Short summary of project | Taxonomic revision of the lichen genus Parmotrema. Molecular, morphological, anatomical and chemical study of New Zealand material and comparison with DNA sequence data from elsewhere in the world to determine which species are found In New Zealand. May result in naming new species and will require determining the threat classification for each species. Collaboration with the Department of Conservation and Universidad Complutense de Madrid (part of the PARSYS-10 research consortium).  |
| Planned outputs and any related requests for financial support | * One refereed paper (target journal: The Lichenologist);
* A LUCID key for NZ.
* A conference paper (International Association of Lichenology August 2016).
* (potentially) an eFlora electronic output hosted by ePress.
* $3800 to attend international lichen conference
 |
| Planned funding sources | Has previously been funded by [Unitec’s Strategic Research Fund](http://thenest.unitec.ac.nz/unitecintranet/index.cfm?CB9A1E36-CFFC-40F9-B84E-F1404AD83BE2#Internal%20Funding), completion with professorial funding |
| Mentoring Relationships | This year I will be mentoring two staff who need to gain Research Active status. Their names are XX and XX. We are working on co-publication goals. |
| Research voucher possibilities | No |
| Milestones | 2018 | 1. Complete generating sequence data for third (and final) gene (mtSSU). May 20182. Analyse data using RAXML to generate a phylogenetic tree. July 20173. Draft paper by September 2018, submit to journal October 2017. |
|  | 2019 |  |
| Proposed Research Activity (experiment, project, dissemination)  | Project 2 Rethinking assessment of biodiversity in northern New Zealand forests: Incorporating lichens, a neglected but important group, in vegetation monitoring. |
| Collaboration/Partnerships | Ben Danyon (EAS), Marshall Drewson (EAS), Peter de Carr (Department of Conservation), Cal Basher (Auckland Council) |
| Short summary of project | Lichens perform important but often poorly recognised ecological roles in many ecosystems. They are useful indicators of air quality and the intactness of ecosystems. There is a common but largely unsupported assumption that by assessing vascular plant diversity the diversity of other taxa will also be captured. Over half of New Zealand's identified lichen taxa are designated in the current threat listing as 'Data Deficient' due to a lack of knowledge of their distribution, population size and ecological requirements. There is also scant information on whether there are characteristic assemblages of lichens in different vegetation types or whether they are performing important ecosystem functions, making management of these ecosystems difficult. New Zealand's kauri forests are being decimated by PTA, a disease caused by a species of Phytophthora, making it essential that all components of that ecosystem, including lichens are urgently documented. This project will utilise existing plant monitoring plots across the Auckland Region to provide baseline data on lichen diversity in different vegetation types and assess if lichen diversity is "implied" using current monitoring methods, and will provide data on threatened and data deficient lichen species in order to understand the significance of lichens in these ecosystems. |
| Planned outputs and any related requests for financial support | Two papers in a journal such as NZ Journal of Ecology or The Lichenologist, conference paper at NZ Ecological Society Conference, new species records for NZ in Australasian Lichenology. |
| Planned funding sources | Funding granted from Australia Pacific Science Foundation A$36,700 over three years. |
| Research voucher possibilities | No |
| Milestones | 2018 | Complete 20 plots (to total of 40) by August 2018Complete lichen ID for 40 plots by November 2018Trial analysis of data (40 plots) by December 2018 |
|  | 2019 | Draft first paper March 2018, submit May 2019Complete final 20 plots (to total of 60) by July 2019Complete lichen ID by November 2019Data analysis on all 60 plots December 2019 |
|  | 2020 | Draft second paper, March 2019m submit May 2020 |