NCCARF – Terrestrial Biodiversity Network

What do we do?

Yvette Williams – Network Coordinator
Network Activities

• Communication
• Noticeboard
• Must reads and grey literature
• Research support
• Events
Network Membership

1042 members
- Doubled in 2010
- Particularly in government & other stakeholder groups
- Lower uptake (TAS, NT, ACT)

Expanded via:
- invitation letter
- brochure
- promotion at conferences
- Roadshow
- Word of mouth

<table>
<thead>
<tr>
<th>Institution</th>
<th>Number of members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research</td>
<td>428</td>
</tr>
<tr>
<td>Government</td>
<td></td>
</tr>
<tr>
<td>- Federal</td>
<td>43</td>
</tr>
<tr>
<td>- State</td>
<td>220</td>
</tr>
<tr>
<td>- Local</td>
<td>148</td>
</tr>
<tr>
<td>- NRM</td>
<td>45</td>
</tr>
<tr>
<td>Community (NGOs)</td>
<td>30</td>
</tr>
<tr>
<td>Industry/Private sector</td>
<td>28</td>
</tr>
<tr>
<td>Other</td>
<td>43</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1042</strong></td>
</tr>
</tbody>
</table>
Communication:

Website

- Network Structure
- Priorities and Goals
- Funding
- Downloadable resources
- Roadshow
- Noticeboard
- Registration
## Noticeboard
- Funding Opportunities
- Student Projects
- Jobs
- Events

### Terrestrial Biodiversity Noticeboard

Please advertise or browse through project and funding opportunities relating to climate change and terrestrial biodiversity below. There are specific boards for student projects, research funding, collaborative opportunities and employment.

<table>
<thead>
<tr>
<th>Forum</th>
<th>Topics</th>
<th>Replies</th>
<th>Last Post</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welcome to the NCCARF Terrestrial Biodiversity Network</td>
<td>1</td>
<td>0</td>
<td>Welcome to Kunena! by Kunena</td>
</tr>
<tr>
<td>Student Scholarships and Project Opportunities</td>
<td>0</td>
<td>0</td>
<td>No Posts</td>
</tr>
<tr>
<td>Research Funding Opportunities</td>
<td>1</td>
<td>0</td>
<td>TERN - EIF submission process now open by lauren.hodgson</td>
</tr>
<tr>
<td>Events</td>
<td>1</td>
<td>0</td>
<td>NCCARF-TB Queensland Roadshow - Brisbane 14 Sept by lauren.hodgson</td>
</tr>
<tr>
<td>Job board</td>
<td>2</td>
<td>0</td>
<td>PostDoc in Amphibian Population Ecology - 25 Aug by lauren.hodgson</td>
</tr>
</tbody>
</table>
Noticeboard

• To link stakeholder research needs with researchers

• Associated funding not necessary

• Advertise student projects

• Jobs and Events notices
Must reads and grey literature

Must reads:
• Recent published literature on adaptation for terrestrial biodiversity placed on the website
• Currently working on 100 best reads section

Grey literature:
• Reports or links placed on website for access to both national and international sources.

- invite people to send these reports if they feel relevant to the network.
Database and GIS information

- Link to ARCS, Atlas of Living Australia and Australian National Data Service (ANDS)
- Help with data input
- Link to GIS resources
TRE-bulletins 2011

Four page, quarterly research update to inform researchers and stakeholders

- January
- April
- July
- October

Newsletter of the Adaptation Research Network for Terrestrial Biodiversity

Edition (4) April 2010

Terrestrial Research E-bulletin

Convener’s Update

Welcome to the fourth edition of the TRE-bulletin. The Terrestrial Biodiversity Network has now been underway for just over a year and at this time we would like to reflect on our achievements to date and, of course, how we can improve our efforts over the coming year.

To help us achieve this aim, we will be carrying out a short feedback survey to which we ask our TRE-bulletin subscribers to provide ideas on how the TRE-bulletin can be improved. We will use this feedback to guide the final edition of the TRE-bulletin and plans to build on the network’s successes in the future.

In this issue, we are continuing our “Focus On” series to look at recent research on climate change adaptation in Queensland, including an overview of the national adaptation and investment challenges.

In the next issue, we will be bringing you a summary of outcomes from the NCCARF National Workshop on Climate Change, which was recently held in Melbourne. We will also have a special feature on the impacts of climate change on biodiversity, and an earlier on climate change and biosecurity. We are also extending our focus on climate change to include topics such as biosecurity and climate change, and the adaptation of ecosystems to climate change.

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Focus on Queensland

Climate change is already affecting Queensland’s natural environments, ecosystems and industries. The term “climate change” refers to the overall increase in average temperature and increase in the frequency and intensity of extreme weather events, such as droughts and flooding. These impacts are occurring in all areas of the state, from the coastal areas to the inland regions. The consequences of climate change in Queensland are expected to be significant, with impacts on agriculture, tourism, and the health and wellbeing of communities. In this issue, we are continuing our “Focus On” series to look at recent research on climate change adaptation in Queensland, including an overview of the national adaptation and investment challenges.

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Information sheets

Released:
- Species responses to climate change
- Assisted Migration
- Genetic Translocation

Upcoming in 2011:
- Fire and climate change
- Conservation planning
People / Research finder / cross-referencing tool (aligning research interests based on NARP)

AIM: facilitate research collaboration on the Priority Research Areas outlined in the NARP.

The files linked to each priority research area below are the people which nominated this area of research interest.

- 5.1 National/ Continental scale goals
  - 5.1.1 New conservation goals under Climate change
  - 5.1.2 Legal, policy and institutional architecture needed to achieve conservation goals
  - 5.1.3 Long term observation systems and conceptual models
- 5.2 Regional issues
  - 5.2.1 Designs of landscapes to confer maximum resilience
  - 5.2.2 Climate change interaction with other key stressors
  - 5.2.3 Carbon mitigation to maximise biodiversity conservation
  - 5.2.4 Linking socio-economic trends to yield biodiversity outcomes
- 5.3 Local land management issues
  - 5.3.1 Costs/benefits of adaptation measures to key communities and ecosystems
  - 5.3.2 Fire management adaptation
  - 5.3.3 Response of management in local protected areas
  - 5.3.4 Whole area management for minimising biodiversity loss
- 5.4 Managing key species
  - 5.4.1 Prioritising species for investment
  - 5.4.2 Effective management of priority species
  - 5.4.3 Managing problem species
# Roadshow Timetable

<table>
<thead>
<tr>
<th>State</th>
<th>Location</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>QLD</td>
<td>Brisbane - Ship Inn, Southbank</td>
<td>Tuesday, 14th September</td>
</tr>
<tr>
<td>VIC</td>
<td>Melbourne - Rydges on Swanston</td>
<td>Tuesday, 5th October</td>
</tr>
<tr>
<td>WA</td>
<td>Perth - Curtin University</td>
<td>Thursday, 11th November</td>
</tr>
<tr>
<td>ACT</td>
<td>Canberra - CSIRO Discovery Centre</td>
<td>Wednesday, 8th December</td>
</tr>
<tr>
<td>SA</td>
<td>Rydges, South Park on South Terrace</td>
<td>Tuesday, 8th February 2011</td>
</tr>
<tr>
<td>NSW</td>
<td>-</td>
<td>TBA</td>
</tr>
<tr>
<td>TAS</td>
<td>-</td>
<td>TBA</td>
</tr>
<tr>
<td>NT</td>
<td>-</td>
<td>TBA</td>
</tr>
</tbody>
</table>
Research Support: Honours/Masters Funding 2011

- Project funding for climate change adaptation research
- Seven students supported in 2009
- Eight students supported in 2010
- Completed project summaries available on website
PhD Collaborative Travel Grants 2011

• Students awarded funding to collaborate and learn new skills unavailable at their home institute

• Nine students supported in 2009

• Nine students supported in 2010

• Completed student reports available on the website
International invited speakers

- International guests to speak on Climate Change adaptation
- Present in capital cities around Australia
- 2009 – Jeff Price from WWF, USA
  - Rachel Warren from Trindle Centre, UK
- 2010 – Jessica Hellmann from University of Notre Dame, USA
- 2011 ?

Other suggestions for presenters welcome.
Workshops 2009 – 2010 completed

Conservation Planning (November 2009)
• Convened by Bob Pressey and Steve Williams
• Daintree, North Queensland

Genetic Translocation (April 2010)
• Insuring against extinction and increasing local adaptation
• Convened by Ary Hoffman and Carla Sgro
• Melbourne, Victoria

Managed Relocation (November 2010)
• Move why (whether), what, where, when and how
• Convened by Stephen Garnett and Nicki Mitchell
• York, WA
Workshops - 2011

Riparian vegetation (June 2011)
• with Freshwater Network
• Convened by Sam Capone and Stephen Williams
• Crab Island, NT

Estuarine ecosystems (Nov 2011)
• with Marine, Freshwater and Settlements and Infrastructure Networks
• Convened Melanie Bishop (Macquarie Uni)