

AdaptNet for 17 July 2012

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1. [Climate Change Adaptation in the Australian Alps](#)
2. [Building Resilience in Practice](#)
3. [Helping Key Sectors to Adapt to Climate Change](#)
4. [Adaptation for Corrosion Control of Concrete Infrastructure](#)
5. [Integrating Knowledge and Actions in Disaster Risk Reduction](#)
6. [Ninth International Conference on Sustainability](#)

Climate Change Adaptation in the Australian Alps

This document includes six regional factsheets of NCCARF limit to adaptation project, which explores the underlying causes and potential to transcend these limits. The project focuses on various areas of study, including: the Great Barrier Reef; alpinic areas; wetlands; small Australian islands; and drought and the future of small inland towns of Donald and Mildura in Australia.

[Climate Change Adaptation in the Australian Alps: Limits to Adaptation](#), National Climate Change Adaptation Research Facility (NCCARF), Australia, 2012 [2.15 MB, PDF]

Building Resilience in Practice

This briefing paper provides six case studies (Peru, Bangladesh, Sudan, Nepal and Kenya) of building resilience into development programmes. It offers a variety of entry points (disaster risk reduction, food security, natural resource management) and provides an evidence base for operationalizing resilience and for including processes and resources that are essential for supporting learning, adaptation and experimentation.

[Building Resilience in Practice](#), Programme Briefing Paper, Susan Upton and Maggie Ibrahim, Practical Action, 2012 [4.47 MB, PDF]

Helping Key Sectors to Adapt to Climate Change

This report reflects the broader sector-wide results that have come out of the Adaptation Reporting Power (ARP) from 103 organisations, primarily from the energy, transport and water sectors. It demonstrates that for the most part, organisations that reported are assessing their climate risks and taking steps to adapt, although there is variation across and within sectors.

[Adapting to Climate Change: Helping Key Sectors to Adapt to Climate Change](#), Government Report for the Adaptation Reporting Power, Department for Environment, Food and Rural Affairs (Defra), UK, March 2012 [780 KB, PDF]

Adaptation for Corrosion Control of Concrete Infrastructure

This paper reviews advanced simulation procedures to predict increases in damage (corrosion) risks under a changing climate in Australia in terms of changes in probability of reinforcement corrosion initiation and corrosion induced damage due to (i) increase in the concentration of CO₂ in the atmosphere, and changes to (ii) temperature and (iii) humidity. These time and spatial variables will affect the penetration of aggressive agents CO₂ and chlorides into concrete, and the corrosion rate once corrosion initiation occurs.

[Climate Change Adaptation for Corrosion Control of Concrete Infrastructure](#), Mark G. Stewart, Xiaoming Wang and Minh N. Nguyen, Structural Safety, vol. 35, pp. 29-39, March 2012 [subscription required]

Integrating Knowledge and Actions in Disaster Risk Reduction

This study provides insight into the way in which large-scale participatory 3-dimensional mapping (P3DM) provides new opportunities for integrating local and scientific knowledge, as well as bottom-up and top-down actions in disaster risk reduction (DRR). It focuses primarily on coastal communities of the municipality of Masantol on the island of Luzon, Philippines.

[Integrating Knowledge and Actions in Disaster Risk Reduction: The Contribution of Participatory Mapping](#), Jake Rom D Cadag and JC Gaillard, Area, Vol. 44 No. 1, pp. 100-109, 2012 [594 KB, PDF]

Ninth International Conference on Sustainability

Ninth International Conference on Environmental, Cultural, Economic, and Social Sustainability will take place at International Conference Centre Hiroshima, Japan from 23-25 January 2013. The conference will work in a multidisciplinary way across the various fields and perspectives through which we can address the fundamental and related questions of sustainability. Abstracts may be submitted before 11 November 2012.

[Ninth International Conference on Environmental, Cultural, Economic, and Social Sustainability](#), International Conference Centre Hiroshima, Japan, 23-25 January, 2013

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