

Dear Colleagues,

Please find below the periodic thematic digest on 'Mountain Climate Change', Issue 22 (10 June 2011), prepared for members of Mountain Forum and Mountain Partnership network.

Regards,  
Asia Pacific Mountain Network (APMN) team

P.S: You can also find our thematic digests at [ICIMOD Thematic digest archives](#). Compiled links to news, events, opportunities, and resources are regularly updated on our [del.icio.us](#) and [bitly](#) pages.

---

### **In this Issue**

---

[News from Regional Member Countries \(RMCs\)](#)

[Global News](#)

[Events](#)

[Opportunities](#)

[Organisations](#)

[Resources](#)

---

### **News from Regional Member Countries (RMCs)**

---

#### **1. China: Drought Raises Questions about Climate Change**

03 June 2011

China's drought along its biggest river, the Yangtze, is for some scientists a demonstration of how global warming could increasingly disrupt the complex dance of air flows, rains and waterways that feeds dams and farming heartlands. Many older farmers around Lake Honghu, part of the drought-stricken Yangtze River basin, said summers and winters had seemed warmer in the past decade, and some said overall rainfall had shrunk, although impressions varied.

Source: <http://bit.ly/j8idJc>

#### **2. India: Himalayan Glaciers are Thinning**

02 June 2011

Seventy-five per cent of the Himalayan glaciers are thinning, states a recent analysis of satellite pictures taken by the Indian Space Research Organisation (ISRO). But before the alarm button is pressed, more detailed studies must be conducted, say scientists. Of the 10,000 glaciers present in the Himalayan ecosystem, ISRO studied 2,190. The research organisation claims 3.75 per cent of the total glacial area was lost in 15 years—between 1989 and 2004.

Source: <http://bit.ly/IPg4ql>

#### **3. Bangladesh: \$26 Billion Needed to Cope With Climate Change Effects on Energy Sector**

26 May 2011

The United Nations Development Programme has estimated that Bangladesh's energy sector would need \$26.6 billion additional investment in the next 20 years to cope with the adverse impacts of climate change.

Source: <http://bit.ly/jSPyFS>

**4. India: ADB to Invest in VC Funds to Address Climate Change Issues**

23 May 2011

The ADB is injecting USD 20 million each into the three funds — Aloe Environment Fund III, Keytone Ventures II and Ventur East Life Fund III — which are likely to leverage an additional USD 600 million to USD 700 million of private sector investment. The funds will invest in new technology companies involved with climate change mitigation and adaptation or environment protection.

Source: <http://bit.ly/mLCOT1>

**5. Pakistan: Approves First Draft of National Climate Policy**

23 May 2011

After being struck by the most severe flooding in its history, Pakistan has formally approved the first draft of a national policy on climate change. "Pakistan is among the few developing countries which have prepared such a comprehensive national policy on a subject which is on top of the global agenda," said Qamaruzaman Chaudhary, former director general of the Pakistan Meteorological Department and lead author of the policy.

Source: <http://bit.ly/kv3z9A>

**6. Nepal: South Asian Experts Urge for Climate Change Adaptation**

22 May 2011

South Asian environmentalists, hydrologists, climatologists and scientists at a regional training workshop on Saturday said that climate change in conjunction with other drivers in the Hindu Kush-Himalayan region would have a serious impact on water accessibility, people's vulnerability to water-fuelled hazards and socio-economics.

Source: <http://bit.ly/ksnoC9>

Top

-----  
**Global News**  
-----

**1. Peru: FAO's Tool Weighs Pros and Cons of Biofuels**

07 June 2011

The report found that Peru's natural biomass could meet local energy needs and contribute to poverty reduction by providing cheaper energy and offering new income opportunities.

Source: <http://bit.ly/mwHVoz>

**2. Norway: Rising Forest Density Offsets Climate Change**

06 June 2011

The report indicated that the size of trees in a forest -- rather than just the area covered -- needed to be taken into account more in U.N.-led efforts to put a price on forests as part of a nascent market to slow global warming.

Source: <http://reut.rs/iPIHTJ>

**3. Italy: Food Security in Developing World Threatened by Climate Change**

06 June 2011

If swift action is not taken to prepare farmers in the developing world for hotter, drier, shorter growing seasons, climate change may threaten the lives of hundreds of millions of people by 2050. People in Africa and South Asia are particularly at risk of further impoverishment and hunger in a warmer world. According to the UN, a billion people are already going hungry worldwide.

Source: <http://bit.ly/jbYJZa>

**4. Global: Carbon Release to Atmosphere 10 Times Faster Than in The Past**

06 June 2011

The rate of release of carbon into the atmosphere today is nearly 10 times as fast as during the Paleocene-Eocene Thermal Maximum (PETM), 55.9 million years ago, the best analog we have for current global warming, according to an international team of geologists. Rate matters and this current rapid change may not allow sufficient time for the biological environment to adjust.

Source: <http://bit.ly/mdX92F>

**5. Global: New NASA Salt Mapper to Spice up Climate Forecasts**

02 June 2011

Enter Aquarius, a new NASA salinity-measurement instrument slated for launch in June 2011 aboard the Satélite de Aplicaciones Científicas (SAC)-D spacecraft built by Argentina's Comisión Nacional de Actividades Espaciales (CONAE). Aquarius' high-tech, salt-seeking sensors will make comprehensive measurements of ocean surface salinity with the precision needed to help researchers better determine how Earth's ocean interacts with the atmosphere to influence climate.

Source: <http://1.usa.gov/lKnGPj>

**6. Global: New Map Reveals Giant Fjords beneath East Antarctic Ice Sheet**

01 June 2011

Scientists from the U.S., U.K. and Australia have used ice-penetrating radar to create the first high-resolution topographic map of one of the last uncharted regions of Earth, the Aurora Subglacial Basin, and immense ice-buried lowland in East Antarctica larger than Texas.

Source: <http://bit.ly/mUgx6P>

**7. Global: The Effect of Climate Change on Mountain Pine Beetle**

16 May 2011

The mountain pine beetle (*Dendroctonus ponderosae*) (Fig. 1) is an indigenous North American bark beetle that has been confined to the western part of the continent by the Rocky Mountains and the Great Plains geographical barriers. Exactly one generation per year is ideal for this diapause-free, or dormancy-free, species.

Source: <http://bit.ly/lqDjmN>

**8. USA: Green Mountain College Declares Climate Neutrality**

14 May 2011

GMC becomes the second climate neutral campus in the nation and the first to achieve it through a combination of efficiency, large-scale adoption of clean energy, and purchase of local carbon offsets.

Source: <http://yhoo.it/jrvo1W>

**9. Global: Climate Change and Predicting Geographical Forest Insect Distributions**

11 May 2011

Generic modeling tools, such as BioSIM (Régnière and St-Amant 2008), use available knowledge about the responses of particular species (usually pests) to key climatic factors to predict their potential geographic range and performance. These models focus mainly on factors that determine the insect's seasonality and those that affect its survival during the harshest season (usually winter).

Source: <http://bit.ly/mm2nxl>

## **10. USA: Mountain Glaciers Melting Much Faster Than Believed**

04 April 2011

A team from Aberystwyth University, the University of Exeter and Stockholm University surveyed the 270 largest outlet glaciers of the South and North Patagonian Ice fields of South America. The team found that over the last 30 years, the glaciers have been losing volume ten to a hundred times faster than the 350-year long-term average.

Source: <http://bit.ly/jnmkSd>

[Top](#)

-----  
**Events**  
-----

### **1. 19-21 October 2011**

#### **IGS - SENSE Conference**

#### **Resilient Societies: Governing Risk and Vulnerability for Water, Energy and Climate Change University of Twente, the Netherlands**

The conference will bring together experts, academics and practitioners from a wide range of disciplines to discuss and debate governance solutions to make societies more resilient. The aim is to link theory and practice to create a knowledge bridge to exchange ideas and strategies which can contribute to resilient societies. The sessions will be organized in a range of formats, combining plenary sessions with key note speakers with workshops, debates, poster sessions and open space.

Deadline: 01 July 2011

Contact: Marcia Clifford, [m.f.clifford@utwente.nl](mailto:m.f.clifford@utwente.nl)

Event website: <http://bit.ly/jaxjce>

### **2. 21-22 July 2011**

#### **Call for Abstracts**

#### **Third International Conference on Climate Change 2011**

#### **Rio De Janeiro, Brazil**

Participants are also welcome to submit a presentation proposal either for a 30-minute paper, 60-minute workshop, or jointly presented 90-minute colloquium session. Parallel sessions are loosely grouped into streams reflecting different perspectives or disciplines. Each stream also has its own talking circle, a forum for focused discussion of issues. For those unable to attend the Conference in person, virtual participation is also available.

Deadline: 14 June 2011

Contact: Audrey LeGrande, [support@on-climate.com](mailto:support@on-climate.com)

Event website: <http://bit.ly/IQMBco>

### **3. 23 June 2011**

**Call for Participation**  
**The UK Energy Summit**  
**London, United Kingdom**

The UK Energy Summit 2011 will help people with the power to influence the future of UK energy to make better-informed decisions at a pivotal, uncertain time. Join the event for debate, insights, inspiration and provocation that will help you make informed decisions in the face of uncertainty

Deadline: Rolling

Contact: Krupa Patel, [customerserviceuk@economist.com](mailto:customerserviceuk@economist.com)

Event website: <http://bit.ly/k7Qnw8>

**4. 18-23 August 2011**

**Call for Participation**  
**Beijing Symposium “Climate Change Adaptation – New perspectives in managing change in landscape ecology”**  
**Beijing, China**

This event will also include the symposium “Climate Change Adaptation – New perspectives in managing change in landscape ecology”. The symposium deals with research about changes geared towards the extraction of guidelines for adaptation processes. The examples can be derived from any process relevant for landscape ecology, such as climate change, landscape change or urban change. Goal of the symposium is to explore approaches and methods for studying the change in landscapes.

Deadline: Rolling

Contact: Xiuzhen Li, [iale2011@sina.com](mailto:iale2011@sina.com)

Event website: <http://bit.ly/l2gQll>

**5. 30 August 2011 -02 September 2011**

**Call for Papers**  
**EAAE 2011 Congress: Change and Uncertainty; Challenges for Agriculture, Food and Natural Resources**  
**Zurich, Switzerland**

Important topics are among others Agriculture and Food Policies, Risk and Uncertainty, Market and Demand Analyses, Agriculture and Climate Change Risk Management, Environment and Sustainable Resource-use, Trade and Globalisation, Agriculture and Rural Development, Technology, Innovation and Communication.

Deadline: 30 June 2011

Contact: Conradin Bolliger, [bolligec@ethz.ch](mailto:bolligec@ethz.ch)

Event website: <http://bit.ly/iPM9PK>

**6. 08-11 November 2011**

**Call for Participation**  
**International Conference Energy and Meteorology**  
**Surfers Paradise, Queensland, Australia**

The scientific programme will include high- calibre keynote speakers, roundtable discussions, free papers and workshops that address the themes:

State-of-the-Science and Challenges in Weather & Climate Energy; Energy Generation - Including Renewables and Biofuels; Energy Resource Assessment, Planning, Forecasting and Storage

Energy; Energy Extraction, Transportation, Transmission and Distribution; Energy Demand, Smart Grids, Finance and Insurance

Deadline: Rolling

Contact: Aurelie Favennec, info@icem2011.org

Event website: <http://bit.ly/m9Mfxf>

[Top](#)

-----  
**Opportunities**  
-----

- 1. Vacancy: Research Leader, Agricultural Biodiversity for Adaptation to Climate Change**  
Bioversity International Cali, Colombia  
The candidate will provide scientific leadership, coordination and facilitation of ongoing and new research on the use and conservation of agricultural biodiversity for enhancing resilience and adaptation to climate change, and lead Bioversity's contribution to the CGIAR Research Programme on Climate Change, Agriculture and Food Security (CCAFS).  
Deadline: 24 June 2011  
Aislinn Mulreany amulreany@sri-executive.com  
More at: <http://bit.ly/beWhSB>
- 2. Vacancy: Deputy Secretary, International Hydrological Programme, Senior Programme Specialist in Hydrological Sciences (Division of Water Sciences)**  
**UNESCO Paris France**  
UNESCO looks for a dynamic and experienced senior specialist in the field of water sciences holding an advanced university degree (preferably at doctorate level) in hydrological sciences and or water resources engineering / management.  
Deadline: 26 June 2011  
Contact: Recrutweb@unesco.org  
More at: <http://bit.ly/iwPOqP>
- 3. Vacancy: Research Associate the Alliance for Climate Protection**  
**Washington, DC**  
The Research Associate will primarily assist The Climate Project (TCP), a program of the Alliance. The Research Associate will research climate and energy topics and help present this information in a manner accessible to the public.  
Deadline: Rolling  
Contact: rob.pritchard@climateprotect.org  
More at: <http://bit.ly/iDyvOe>
- 4. Scholarship: The Renewable Energy Science & Technology Master's Scholarship Program, France**  
**Office of International Admissions of Ecole Polytechnique**  
The Renewable Energy Science & Technology Master's program is aimed at engineering, mechanical science and physics students from the best schools and universities in France and abroad. Each year, the program will be open to around 40 students who have completed a high level of studies, such as Ecole Energy for the 21st Century Master's.  
Deadline: 15 June 2011  
Contact: contact@master-renewable-energy.fr

More at: <http://bit.ly/mR2mA8>

## **5. Scholarship: PhD Scholarship in Production of Biofuels Crop Residues**

### **RMIT University**

College of Science, Engineering and Health, the School of Applied Sciences is seeking an outstanding candidate to undertake PhD studies to develop sustainable technologies for production of biofuels (biogas, bioethanol and biodiesel) from crop residues, Australian native species and microalgae.

Deadline: 26 June 2011

Contact:

More at: <http://bit.ly/lrSAwh>

[Top](#)

---

### **Organisations**

---

#### **1. Northern Rocky Mountain Science Centre, USA**

The Northern Rocky Mountain Science Center (NOROCK) is part of the North Central Area of the Central Region of the USGS. Scientists from the Center work in the northern Rocky Mountains of the United States and throughout the western U.S. Many of our scientists work throughout the world on issues as diverse as global climate change, aquatic ecology, wildlife diseases, bison ecology, and large carnivores.

URL: <http://bit.ly/iM0zKO>

#### **2. Climate Action Network, USA**

CAN members work to achieve this goal through information exchange and the coordinated development of NGO strategy on international, regional, and national climate issues. CAN has seven regional offices which co-ordinate these efforts in Africa, Australia, Central and Eastern Europe, Western Europe, Latin America, North America, South Asia, and Southeast Asia. It is a worldwide network of over 600 Non- Governmental Organizations (NGOs) working to promote government and individual action to limit human-induced climate change to ecologically sustainable levels.

URL: <http://bit.ly/jOsJVb>

#### **3. Climate Change and Health, World Health Organization (WHO), Switzerland**

The website of the WHO dealing with climate change and health provides links to relevant events and WHO publications related to climate change.

URL: <http://bit.ly/kIkox1>

#### **4. Centre for International Climate and Environmental Research, Oslo (CICERO), Norway**

CICERO is an independent research centre associated with the University of Oslo. CICERO's mandate is twofold: to both conduct research and provide information about issues of climate change.

URL: <http://bit.ly/mxkR1s>

#### **5. Climate Change and Disasters Group, Institute of Development Studies, Sussex, UK**

The Climate Change and Disasters group at IDS is active in policy-related research, advisory work and a wide range of information services which are focused on adaptation, mitigation, disasters and governance challenges flowing from climate change.

URL: <http://bit.ly/iBUH4P>

**6. Climate Change, International Institute for Sustainable Development (IISD), Canada**

The International Institute for Sustainable Development (IISD) is a non-profit organisation with a mission is to champion innovation in order to enable societies to live sustainably. IISD contributes new knowledge and concepts, analyses policies, measures progress and identifies and disseminates sustainable development information.

URL: <http://bit.ly/mBOFFu>

[Top](#)

-----  
**Resources**  
-----

**1. Climate Change in Mountain Ecosystems (CCME)**

URL: <http://bit.ly/ilo1fv>

**2. Jonson, A.F. (2009) Ecological Impacts of Climate Change**

URL: <http://bit.ly/j0OMME>

**3. Corripio, J.G.; Purves, R.S.; and Rivera, A. (n.d) Modelling climate-change impacts on mountain glaciers and water resources in the Central Dry Andes**

URL: <http://bit.ly/j9Vk05>

**4. D. Vivriol et al (2011) Climate change and mountain water resources: overview and recommendations for research, management and policy. Hydrol. Earth Syst. Sci., 15, 471–504, 2011**

URL: <http://bit.ly/mSNFkx>

**5. Ecological Impacts of Climate Change at the National Academics (2009)**

URL: <http://bit.ly/j0OMME>

**6. Scot, D. (2003) Climate Change and Tourism in the Mountain Regions of North America 1st International Conference on Climate Change and Tourist**

URL: <http://bit.ly/mzkIPq>

**7. Frei, A.; Armstrong, R.L.; Clark, M.P.; and Serreze, M.C. (2002) Catskill Mountain Water Resources: Vulnerability, Hydro climatology, and Climate-Change Sensitivity**

URL: <http://bit.ly/juaKSW>

**8. Delaware Residents' Opinions on Climate Change and Sea Level Rise: Discussion of Survey Results and Messaging Implications**

URL: <http://bit.ly/jbXREp>

**9. Wollenberg, E.; Negra, C. (2011) Next Steps for Climate Change Mitigation in Agriculture CGIAR**

URL: <http://bit.ly/msfFWb>

- 10. Wollenberg, E.; Campbell, B.; Holmgren, P.; Seymour, F.; Sibanda, L.; Braun, J.V. (2011)  
Actions needed to halt deforestation and promote climate-smart agriculture CGIAR**

URL: <http://bit.ly/k7iWAh>

- 11. High Mountain Glaciers and Climate Change: Challenges to Human Livelihoods and Adaptation**

URL: <http://bit.ly/fl9cdk>

- 12. EECZ is a grouping of researchers, academics and policy makers involved in the promotion and development of sustainable energy in Zambia.**

URL: <http://bit.ly/llo0Gj>

- 13. ZERO Regional Environment Organisation, is a Non-Governmental Organisation (NGO), registered in 1987 to contribute to environment and development solutions in the Southern African Development Community (SADC) countries.**

URL: <http://bit.ly/IERJYE>

- 14. Climate Impacts Group is an interdisciplinary research group studying the impacts of natural climate variability and climate change on the U.S. Pacific northwest.**

URL: <http://bit.ly/jWaKRB>

[Top](#)