



The Global Change Research Network in European Mountains (MRI Europe)

MRI Europe Newsflash, December 2010

To download this Newsflash as pdf please click the following link or copy it into your browser:

http://mri.scnatweb.ch/dmdocuments/MRI_Europe_Flash_December2010.pdf

EDITORIAL

If a flash gets longer...

Astrid Bjørnsen Gurung, MRI-IGF (mailto:astrid.bjoernsen@uibk.ac.at)

The term "Newsflash" implies something short and quick. The December 2010 Newsflash is neither short nor quick. It compiles several dozens of news items from mountain scientists of the MRI-Europe network and as such represents the scientific information platform anticipated by the founders of the network in early 2007: A exchange platform for experiments, sites and people.

It is a great satisfaction to see the MRI-Europe network developing its own dynamic in connecting the several mountain ranges of Europe and in catalyzing new collaborations. The resources are mobilized and the structure is set.

Accordingly, we can set new targets for 2011 that are more directed towards collaborative activities and the generation of integrated knowledge to **render the flash also brighter!** Best wishes for the Year 2011!

THE NETWORK

Update of the MRI Europe List

Astrid Bjørnsen Gurung, MRI-IGF (mailto:astrid.bjoernsen@uibk.ac.at)

The MRI Europe list is a simple and transparent platform for Global Change scientists working in mountain regions. As a side product of the first MRI Europe Networking Meeting (Zurich, February 2007) it is in the first instance a brokering tool for scientists interested in international and interdisciplinary research cooperation.

The original MRI Europe List covering all European countries has been split in three lists. Few countries are in more than one list (e.g. Austria). Individuals listed in the regional „who's who" list are automatically members of the MRI

Europe network.

S4C List: Austria, Czech Republic, Hungary, Poland, Romania, Republic of Serbia, Slovakia, Ukraine, and other countries with individuals having a special interest in Carpathian mountain issues.

<http://mri.scnatweb.ch/networks/mri-carpathians/who-is-who-carpathian-research.html>

SEEmore List: Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Greece, Macedonia, Montenegro, Romania Republic of Serbia, Slovenia, Turkey and other countries with individuals having a special interest in SEEmore.

<http://mri.scnatweb.ch/networks/mri-europe/south-eastern-europe/who-is-who-in-south-eastern-european-mountain-research.html>

MRI Europe List: All other countries. Download version 33 of MRI Europe from the MRI Europe website:

<http://mri.scnatweb.ch/networks/mri-europe/who-is-who-in-european-global-change-research.html>

PROJECTS AND INSTITUTIONS

**The International Center for Environmental Research (ICFER):
Collaboration with European Partners wanted!**

Grigol (Gia) Abramia, Director, International Center for Environmental Research, Tbilisi, Georgia (mailto:icfer@icfer.org or gia_abramia@hotmail.com)

The Center was founded in 1997 for the development of the environmental policy, laws, environmental, environmental health sciences, biotechnology, biodiversity protection and sustainable tourism, especially in protected rural areas. ICFER conducts research, develops and runs nature education programs, organizes local, national and international campaigns, conducts meetings and produces publications, documentary and educational films, and cartoons. It encourages a broad membership of individuals from different disciplines, scientists and others interested in the environment protection. The ICFER would welcome more collaborative activities with partners from other European countries.

Website: www.icfer.org

InsightShare: Climate Change as felt by local communities

Nick Lunch, InsightShare Co. Founder & Director, UK (mailto:info@insightshare.org)

While climate change is a phenomenon still questioned by some modern citizens, the global catchword has become a fearsome reality for people from traditional societies.

InsightShare is an UK-based organization promoting the use of Participatory Video as a tool for individuals and groups to build skills to act for change. At the first Perth Conference in 2005, the film "Himalayan Voices" (<http://insightshare.org/watch/video/himalayan-voices>) was shown with striking statements on the environmental changes experienced by Indian, Pakistani and Tibetan pastoralists as a result of climate change. It was one of the first examples. Five years later "Climate Change" appears as a keyword in a number of participatory videos produced by the InsightShare with partner organization around the world. Their focus today is around community based adaptations and Indigenous perspectives on the impacts and solutions for climate change. To

read and watch more: <http://insightshare.org/browse/themes/climate-change>
To get in touch: info@insightshare.org

PARAMount – Workshop results

Peter Greminger, Federal Office for the Environment (mailto:peter.greminger@bafu.admin.ch)

PARAMount stands for 'Improved Accessibility: Reliability and security of Alpine transport infrastructure related to mountainous hazards in a changing climate'. The Alpine Space project supported by the European Regional Development Fund runs from September 2009 to August 2012. It aims at improving hazard management strategies for infrastructure protection by the adaptation of existing tools and practices to the transport sector (debris-flow, avalanche, rockfall). The project will thus bring together expertise concerning natural hazards management and the institutions that need this expertise from a transportation point of view in an intensive transnational risk dialogue. It should help to promote the risk based decision making (www.riskplan.ch). The results of a workshop held at the Federal Institute of Technology in Zurich (16-17 June) are compiled in a 4-pages brochure that can be downloaded at:

<http://www.planat.ch/en/marketing-materials-detail-view/datum/2010/12/13/naturgefahren-risikomanagement-entlang-von-verkehrswegen-in-den-alpen/>

<http://www.planat.ch/de/infomaterial-detailansicht/datum/2010/12/13/naturgefahren-risikomanagement-entlang-von-verkehrswegen-in-den-alpen/>

<http://www.planat.ch/de/infomaterial-detailansicht/datum/2010/12/13/naturgefahren-risikomanagement-entlang-von-verkehrswegen-in-den-alpen/>

<http://www.planat.ch/de/infomaterial-detailansicht/datum/2010/12/13/naturgefahren-risikomanagement-entlang-von-verkehrswegen-in-den-alpen/>

For more information: www.paramount-project.eu

Glacier MEMO - Glacier Mass and Energy balance MOdelling at Freya (Clavering Island/NE-Greenland)

GlacierThomas Marke and Ulrich Strasser, Department of Geography and Regional Sciences, University of Graz, Austria (mailto:thomas.marke@uni-graz.at)

Glacier MEMO investigates the mass and energy balance of Freya Glacier, a small valley glacier in the north of Clavering Island (NE-Greenland, 74°30' N, 21°00' W). The model used for the numerical simulations is the physically based snow model AMUNDSEN (Alpine MULTiscale Numerical Distributed Simulation ENgine), which is appropriately parameterized and further developed in the framework of the project. Information on the mass and energy balance of Freya Glacier is available from previous studies carried out by Ahlmann in 1939-40 and the Austrian Central Institute for Meteorology and Geodynamics (ZAMG). In August 2010 an expedition to the glacier has been undertaken to collect further data for model parameterization/validation and to install temperature sensors in the glacier area. The latter supplement the existing network of meteorological stations, which are predominantly installed in the surroundings of the nearby Zackenberg research station and help to supply the meteorological input for the model. Glacier MEMO is funded by the Austrian Polar Institute and is carried out in close cooperation with the ZAMG. The project outcomes represent a valuable contribution to existing ecosystem monitoring efforts in the Arctic and serve as preparatory work for follow-up projects investigating the impact of climate change on the mass and energy balance of Freya Glacier as planned for near future.

The Swiss Interacademic Commission for Alpine Studies – A portrait

In the Mountain Platform section of the *Mountain Research and Development*

Journal, a new institutional member of the International Mountain Society (IMS), the Swiss Interacademic Commission for Alpine Studies (ICAS) presents an overview of its activities and network:

<http://www.bioone.org/doi/full/10.1659/MRD-JOURNAL-D-10-00082.1>

Sierra Nevada Global Change Observatory

R. Zamora, F.J. Bonet, A.J. Pérez-Luque. Department of Ecology, University of Granada, Spain (mailto: rzamora@ugr.es, fjboner@ugr.es, ajperez@ugr.es)

Sierra Nevada (Spain) is an exceptional observatory for studying the functioning and processes of natural systems under the current global change scenario. This project has a long-term vocation and seeks permanent cooperation between scientists and managers. Its objective is to obtain information that helps identify the impacts of global change as early as possible, enabling the design of management mechanisms to minimize its impacts. It has four cornerstones: a programme for monitoring key species, ecosystems and processes; an information system that processes this raw data into useful knowledge; an active-adaptive management of natural resources, and finally, effective dissemination mechanisms that inform society of results obtained and methodologies used.

Read our last report: http://sl.ugr.es/english_dossier

Or visit our wiki: <http://observatoriosierranevada.iecolab.es>

Climate change in the Alps: popular and well-founded science now online

Department for Climate Research, Central Institute for Meteorology and Geodynamics (mailto: klimaforschung@zamg.ac.at)

A comprehensive part of the *Central Institute for Meteorology and Geodynamics'* website has recently been activated: At <http://www.zamg.ac.at/klimawandel> the German-speaking "Information Portal on Climate Change" is now accessible. The staff of the *Department for Climate Research* compiled more than 80 articles on climate research, climate system, climate past and future as well as climate impact, focussing on the European Alps and Austria. In addition, editorial and contemporary issues are provided.

The aim is to support a broad public with independent, easily understandable and well-founded research facts. Objectification of the climate change discussion will adjust irrational argumentations by both alarmists and sceptics and is the basis for all reasonable decision making.

The Institute for Biodiversity Studies - part of the Science and Research centre of Koper of the University of Primorska, Koper, Slovenia

Peter Glasnović (mailto: Peter.Glasnovic@zrs.upr.si)

The main activities of the Institute for Biodiversity Studies are basic scientific research on the level of species, genetic and ecosystem diversity. Key interests of our institute are:

- Biodiversity
- Conservation genetics
- Biogeography
- Nature conservation
- Protected area management
- Southeastern Europe, Near East, Africa

For more information: <http://www.balkan-biodiversity.famnit.upr.si/en/>

EVENTS

CIRCLE-2 MOUNTain funded projects and Kick-Off workshop

2-3 February, 2011, Chambéry, France

<http://www.circle-era.eu/np4/28> and <http://www.circle-era.eu/np4/159.html>

European Association of Remote Sensing Laboratories (EARSeL):

6th Workshop – Remote sensing of land ice and snow - Call for papers

7-9 February 2011, Berne, Switzerland

<http://www.earsel.org/SIG/Snow-Ice/index.php>

Water Scarcity Winter School

Analysing, mapping and evaluating spatio-temporal water scarcity problems

7-18 February 2011, Salzburg, Austria

<http://www.edu-zgis.net/ss/waterscarcity2011>

waterscarcity2011@edu-zgis.net

Alpine Space Forum – Registration open!

Coping with Demographic Change – Shaping Policies

22-23 February 2011, Innsbruck, Austria

The Forum brings together key actors in regional development across sectors to demonstrate why demographic change is relevant for the Alpine region, to analyse issues and present first answers along the three dimensions: Migration & integration; Economic centres & peripheries; Public services & civic engagement.

For registration and more information: www.alpine-space.eu or

[http://www.alpine-](http://www.alpine-space.eu/fileadmin/media/Thematic_Workshops/DemographicChange/DCF_Announcement.pdf)

[space.eu/fileadmin/media/Thematic Workshops/DemographicChange/DCF_Announcement.pdf](http://www.alpine-space.eu/fileadmin/media/Thematic_Workshops/DemographicChange/DCF_Announcement.pdf)

International Conference: Women of the mountains

Abstract submission until 30th December 2010!

8-9 March 2011, Utah Valley University, Orem, Utah, US

<http://www.womenofthemountains.org/>

Hydrology and water management - from theory to practice

24-25 March 2011, Vienna, Austria

<http://tdh2011.hydro.tuwien.ac.at/tdh/index.php?id=2>

Mountain hydrology: Observations, processes and models (HS2.12)

Submission deadline: 10 January 2011

3-8 April 2011, EGU General Assembly, Vienna, Austria

Convenors: Daniel Viviroli, Carmen de Jong and Paola Allamano

Abstract submission form and more information on the session:

<http://meetingorganizer.copernicus.org/EGU2011/session/6562>

2nd Edition of the Cartographic Biennale – Moving Maps

14-15 April 2011, Ecole Polytechnique Fédérale de Lausanne, Switzerland

Moving Maps is a threefold event. (1) A Symposium: *Mapping Ethics. New Trends in Cartography and Social Responsibility*. It aims to highlight the epistemological and theoretical links between cartography and human

sciences. (2) A Contest: *MiniMax Mapping*. Designed to reward a cartographic innovation, which combines graphic effectiveness and sobriety. (3) An exhibition : *Réponse. Portrait de carte avec groupe*. It will put in contrast representations of spaces by drawing from two worlds: that of contemporary art and that of cartography.
http://eidolon.ch/eidolon/Moving_Maps.html

Highlands, Lowlands: History of the Disparities – Call for papers

17 – 19 August 2011, Ascona-Monte Verita, Switzerland

http://www.arc.usi.ch/en/index/aisa/ris_ist_labi_aisa_convegna.htm

Swiss Mountain Research Day

2 September 2011, Switzerland

Regional Development and Alpine Protected Areas - ISCAR Event

13-15 October 2011, Chartreuse, Switzerland

10th International NCCR Climate Summer School "Climate Change, Extremes and Ecosystem Services"

4-9 Sep 2011, Grindelwald, Switzerland

<http://events.scnat.ch/proclim?id=15787>

Rio+20 Preparatory Conference

10-12 October 2011, Lucerne, Switzerland

2nd International Conference – Call for abstracts open until 31.1.2011!

Managing Alpine Future: Inspire and drive sustainable adaptation

21-23 November 2011, Innsbruck, Austria

The complex interactions of human-environment mountain systems will increasingly be affected by the dynamics of global climate change. Successful adaptation to the expected challenges in mountain societies and environments necessitates strong inter- and transdisciplinary cooperation in and amongst science, business and public administration.

Following on from the first pioneering conference in 2007, Managing Alpine Future II will again provide the appropriate platform for exchange, inspiration and cooperation among international scientists, experts and decision makers.

For more information: www.alpinefuture.com

2nd Forum Carpathicum

30 May – 2 June 2012, Slovakia

AlpWeek

3-8 September 2012 Lugano, Switzerland

PAST EVENTS

Perth – Global Change and the World's Mountains: Webcasts and presentations available!

27-30 September 2010 Perth, Scotland

The webcasts of plenary sessions are available at:
<http://mri.scnatweb.ch/events/mri-events/global-change-and-the-world-s-mountains-perth-uk.html>

Forum Alpinum „Metropolises and ,their’ Alps“

6-9 October 2010 Munich, Germany

www.forumalpinum.org

The proceedings of the plenary sessions and the posters are available on:

<http://epub.oeaw.ac.at/forumalpinum2010>

CBD COP10 Conference

27-29 October 2010, Nagoya, Japan

Willy Geiger, Vice Director of the Swiss Federal Office for the Environment, launched the publication “Mountain Biodiversity and Global Change,” produced by the Global Mountain Biodiversity Assessment (GMBA) in collaboration with the Swiss Cooperation, and in the context of the Mountain Partnership to highlight the role and importance of mountain biodiversity and sensitize readers to the challenges posed to it by global changes. To download the publication please visit:

http://gmba.unibas.ch/publications/pdf/Mountain_Biodiversity_Brochure2010.pdf

More information on the related side events:

<http://www.gmba.unibas.ch/index/index.htm>

PUBLICATIONS

MountainForum Library: Make your publications visible and accessible!

The Mountain Forum on-line Library makes mountain publications searchable and accessible on the web, either as a full-text document, a bibliographic reference, periodicals, etc.

Please browse the Mountain Forum on-line Library to see whether your publications have an entry. If not, submitting your recent papers, books and reports could be most rewarding: for you and your peers!

Mountain Forum on-line Library homepage: <http://mtnforum.org/rs/ol.cfm>

To contribute: <http://mtnforum.org/rs/ol/contrib.cfm>

Journal on Protected Mountain Areas Research & Management (eco.mont)

The December 2010 issue is available online from the Austrian Academy of Sciences press and in a printed version from *innsbruck* university press.

eco.mont 2/2 continues this year's focus on biodiversity, e.g. in papers on the impact of global change on species diversity in mountain areas; on the habitat requirements of Alpine land snail species in the north-eastern Limestone Alps; or on endemic spider and harvestman species in the Austrian Gesäuse NP.

The protected area Mercantour NP at the border of France and Italy is presented as a case point.

<http://www.oeaw.ac.at/ecomont/index.htm>

Mountain Research and Development, Volume 30, Issue 4

The November 2010 issue of MRD contains work on various topics relevant to sustainable development in mountains, ranging from tourism and impacts of tourism to biodiversity in relation to human activities, poverty and food security,

livestock production, and interaction between indigenous communities and the corporate world. It is available online and open access.

<http://www.bioone.org/toc/mred/30/4>

See, for instance, the review by Diana Borowski of the book: Mladenka del Negro (2009). Schutzgebiete in Slowenien mit besonderer Berücksichtigung des Alpenraums—Bestandsaufnahme und Problematik (**Protected Areas in Slovenia with Particular Emphasis on the Alpine Area—Inventory and Problems**). Vienna, Austria. Verlag der Österreichischen Akademie der Wissenschaften.

<http://www.bioone.org/doi/full/10.1659/mrd.mm076>

Energy self-sufficient regions (CIPRA compact)

Not having to depend on energy imports: this vision holds great fascination for many regions. Self-sufficiency is "in." There are already many very positive approaches and examples of attempts to go down this road. At the heart of all the concepts is the idea of meeting demand through regional renewable sources of energy, saving energy and using energy more efficiently. Anyone who systematically takes this approach in an attempt to create an energy self-sufficient region changes the face of their region and its structures – to the benefit of their own economy, society and the environment.

To download pdf:

http://www.cipra.org/en/alpmedia/dossiers/25/?set_language=en

Scientific papers (alphabetical)

Adrian, R., O'Reilly, C. M., Zagarese, H., Baines, S. B., Hessen, D.O., Keller, W., Livingstone, D. M., Sommaruga, R., Straile, D., Van Donk, E., Weyhenmeyer, G.A., and Winder, M. (2009) **Lakes as sentinels of climate change**. *Limnology and Oceanography* 54: 2283-2297.

Aspizua Canton, R.; Bonet-García, F.J.; Zamora, R.; Sánchez, F.J.; Cano-Manuel, F.J. & Henares, I. (2010). **El observatorio de cambio global de Sierra Nevada: hacia la gestión adaptativa de los espacios naturales. Ecosistemas**, 19 (2): 56-68 (written in Spanish). Available in: <http://www.revistaecosistemas.net/articulo.asp?Id=649>

Beniston, M. (2010). **Impacts of climatic change on water and associated economic activities in the Swiss Alps**. *Journal of Hydrology*, doi:10.1016/j.jhydrol.2010.06.046

Bonet, F.J.; Pérez-Luque, A.J.; Moreno, R. & Zamora, R. (2010). **Sierra Nevada Global Change Observatory. Structure and Basic Data**. Environment Department (Andalusian Regional Government) – University of Granada. 48 pages. Available at: http://sl.ugr.es/english_dossier

Bonet-García, F.J. & San Gil, I. (2010). **Gestión de la información ambiental en los espacios protegidos y en las redes de seguimiento del cambio global. Ecosistemas**, 19 (2): 84-96. (in Spanish). Available in: <http://www.revistaecosistemas.net/articulo.asp?Id=638>

Debarbieux B, Rudaz G (2010). **Les faiseurs de montagne : Imaginaires politiques et territorialités : XVIIIe-XXIe siècle**, Paris, CNRS [collection "Espaces et milieux"], 373 pp.

Gobbi et al. (2010). **Plant adaptive responses during primary succession are associated with functional adaptations in ground beetles on deglaciated terrain.** *Community Ecology*, 11 (2): 223-231.
(to receive the pdf send an e-mail to: gobbi.mauro@tiscali.it)

Gobbi et al. (*published on line on September 8, 2010*) **Arthropod colonisation of a debris-covered glacier.** *The Holocene*, DOI: 10.1177/0959683610374885.
(to receive the pdf send an e-mail to: gobbi.mauro@tiscali.it)

Hörtnagl, P., M. T. Pérez, M. Zeder, and R. Sommaruga (2010) **The bacterial community composition of the surface microlayer in a high mountain lake.** *FEMS Microbiology and Ecology* 73: 458-467
<http://onlinelibrary.wiley.com/doi/10.1111/j.1574-6941.2010.00904.x/full>

Hörtnagl, P., M. T. Pérez, and R. Sommaruga (2010) **Living at the border: a community and single-cell assessment of lake bacterioneuston activity.** *Limnology and Oceanography* 55: 1134-1144.
http://www.aslo.org/lo/toc/vol_55/issue_3/1134.pdf

Hörtnagl, P., M. T. Pérez, and R. Sommaruga (2011) **Contrasting effects of ultraviolet radiation on the growth efficiency of freshwater bacteria.** *Aquatic Ecology*
<http://www.springerlink.com/content/l5n20717075645h7/>

Lavorel, S., Grigulis, K., Lamarque, P., Colace, M.-P., Garden, D., Girel, J., Douzet, R. & Pellet, G. (2011). **Using plant functional traits to understand the landscape-scale distribution of multiple ecosystem services.** *Journal of Ecology* in press. Early view Online: doi: 10.1111/j.1365-2745.2010.01753.x

McDougall, K., Alexander, J., Haider, S., Pauchard, A., Walsh, N. & Kueffer, C. (2010). **Alien flora of mountains: global comparisons for the development of local preventive measures against plant invasions.** *Diversity and Distributions*, earlyView DOI: 10.1111/j.1472-4642.2010.00713.x
Go to (not open access): <http://onlinelibrary.wiley.com/doi/10.1111/j.1472-4642.2010.00713.x/supinfo>

Pérez, M. T., Hörtnagl, P., and Sommaruga, R. (2010). **Contrasting ability to take up leucine and thymidine among freshwater bacterial groups: implications for bacterial production measurements.** *Environmental Microbiology* 12: 74-82.
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2810431/>

Rose, K. C., Williamson, C. E., Saros, J. E., Sommaruga, R. and Fischer, J. M. (2009). **Differences in UV transparency and thermal structure between alpine and subalpine lakes: Implications for organisms.** *Photochemical and Photobiological Sciences*, 8: 1244-1256.

Sommaruga, R. and Casamayor, E. (2009). **Bacterial 'cosmopolitanism' and importance of local environmental factors for community composition in remote high-altitude lakes.** *Freshwater Biology* 54: 994-1005.

Sommaruga, R. (2010). **Preferential accumulation of carotenoids rather than of mycosporine-like amino acids in copepods from high altitude Himalayan lakes.** In: Eggermont, H., M. Kernan & K. Martens (eds.). Global Change Impacts on Mountain Lakes. *Hydrobiologia* 648:143–156.
<http://www.springerlink.com/content/y397675214317n17/>

Sonntag, B., Summerer, M., and Sommaruga, R. (2010). **Factors involved in the distribution pattern of ciliates in the water column of a transparent alpine lake.** *Journal of Plankton Research*.
<http://plankt.oxfordjournals.org/content/early/2010/09/24/plankt.fbq117.full>

Takahashi, K; Miyajima, Y (2010). **Effects of roads on alpine and subalpine plant species distribution along an altitudinal gradient on Mount Norikura, central Japan.** *Journal of Plant Research* 123 (6): 741-749.

UNEP (2010). **High Mountain Glaciers and Climate Change - Challenges to Human Livelihoods and Adaptation.**

The report. can be accessed at www.unep.org or at <http://www.grida.no/publications/high-mountain-glaciers> including high and low resolution graphics for free use in publications.

Zamora, R. (2010). **Las áreas protegidas como Observatorios del Cambio Global.** *Ecosistemas*, 19 (2): 1–4. (in Spanish). Available at: <http://www.revistaecosistemas.net/articulo.asp?Id=646>

GRANTS AND TRAININGS

EU Erasmus Mundus Scholarships – Application open!

Geo-information Science and Earth Observation for Environmental Modelling and Management (GEM) course 2011

For the academic year starting in September 2011, there will be EU Erasmus mundus scholarships available for both non-EU and EU students. In addition, for exceptional EU candidates, we will again have a limited number of scholarships available that pay full-fees.

Deadline: Rolling

Contact: romarck@itc.nl

More at: <http://bit.ly/dCt9oX>

Master of Science in European Forestry Erasmus Mundus (MSc EF)

Call open until 31 December 2010

The MSc EF is an international double-degree programme acknowledged by the European Commission as a top quality European MSc under the Erasmus Mundus programme. The focus of the MSc EF is on the **international dimensions of forest resource management and utilisation**, supported by a sound understanding of ecological conditions and their dynamics in Europe. In addition to [study places](#) and Erasmus Mundus student scholarships, MSc EF offers

opportunities for talented academics from all over the world to apply for [scholar mobility grants](#). For more information visit: <http://www.europeanforestry.net/>

ESA Advanced Training Course in Land Remote Sensing

Call Open until 30 April 2011

September 12-16 2011, Jagiellonian University, Kraków, Poland,.

The course will be hosted by the Jagiellonian University, Kraków and organised by ESA in cooperation with cosponsoring institutions in Poland.

Ph.D. students, post-doctoral, research scientists and users from Europe and Canada interested in land remote sensing applications are invited to apply to attend the 5 day advanced training course on the subject.

<http://earth.eo.esa.int/trainingcourses/LandTrainingCourse2011>

COST Open Call for new Research Networks

Deadline for preliminary proposals 25 March 2011

COST (European Co-operation in the Field of Science and Technology) is a framework for Europe-wide cooperation and coordination of national research activities. The aim is to establish and support **international networks** amongst scientists.

COST invites proposals for new COST Actions contributing to the scientific, economic, cultural ore societal development of Europe. Proposals should include a minimum of five COST-member states, On average financial support amounts Euro 90'000 p.a. as grant for normally 4 years can be expected.

<http://www.cost.eu/>

KBBE.2011.1.2-07: Preserving the multifunctionality of European Mountain forests

Published 20.7.10, deadline 25.1.2011

Collaborative Project (small or medium-scale focused research project targeted to SMEs). In the Food, Agriculture and Fisheries, and Biotechnology Call FP7-KBBE-2011-5

Besides producing economic goods as well as delivering important societal and ecological services, forests in Europe's high mountains store vast amounts of carbon in old trees, deadwood and soils. Mountain forests are especially sensitive to climate change and significant alterations in the potential distribution of species are projected for the future. Higher temperatures and changes in snowfall patterns will also make mountain forests more vulnerable to pests and diseases. [...]

For more information go to page 20 of the Work Programme available at: http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.FP7DetailsCallPage&call_id=333

The MRI Europe Newsflash is sent out every 2 months to the 1350 addresses of the Global Change Research Network in European Mountains. The next Newsflash is planned for February 2011, please send us any information you want to be distributed to the network. If you have documents to share please send us the web link rather than the document. To send questions or comments, or if you do not wish to receive this mailing, please reply to Sandra Liechti (mailto:liechti@giub.unibe.ch).

yours sincerely

Sandra Liechti, The Mountain Research Initiative

Astrid Björnsen Gurung

MRI Europe/Institute for Mountain Research: Man and Environment, Austrian Academy of Sciences

website MRI Europe: <http://mri.scnatweb.ch/networks/mri-europe/>

