



Mountain Partnership Fair Erzurum, Turkey 17-18 September 2013

Aigine Cultural Research Center

Mystery of Manas

Presenter: Gulnara Aitpaeva
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The heroic Manas epic oral trilogy is the cornerstone and pivot of the entire heritage of the Kyrgyz people. The trilogy contains enormous amounts of information accumulated over centuries. In the 20th century, scholars and writers often times used to emphasize the vast scale and encyclopedic nature of the epic. In this century another feature of the ancient epic becomes of paramount importance. Manas is a living and actively evolving phenomenon. New versions of the epic appear which differ significantly from its classic versions. In addition, new *manaschy* appear, who are the chanters of the epic and bearers of its knowledge.

Association for the Development of Mountain Regions in the Republic of Macedonia (MAKMONTANA)

Cooperation on the protection and sustainable development of mountain regions in South-Eastern Europe (Balkans)

Presenter: Vlatko Andonovski
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The region South Eastern Europe (Balkans) is under strong economic development pressure, and the need to generate income and improve the living standards of the population is leading to the growing exploitation of natural resources. Environmental policies and institutions have suffered a long period of eclipse and are now being rebuilt, although with varying results. The loss of biodiversity is both a threat and an opportunity for the conservation of the natural and cultural heritage of South East Europe (Balkans). Among the major current and future threats are: habitat fragmentation or destruction, over-harvesting, illegal logging, deforestation, inappropriate management methods, unregulated development, and unregulated exploitation of natural resources.

Bolivian Mountain Institute - BMI

Mountain Futures – Bolivia in a Four Degree Warmer World

Presenter: Dirk Hoffmann
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Presentation of the Spanish-language book *Bolivia in a 4 degree warmer world. Socio-political scenarios in the face of climate change for the years 2030 and 2060 in the Northern Altiplano* by Dirk Hoffmann and Cecilia Requena and its conceptual underpinnings. The methodological approach is designed to help societies in mountain regions gain an understanding of what their future might look like, when realistically considering the possible impacts of climate change. The aim of the presentation is threefold: to present the results of the study "Bolivia+4", discuss the methodology and findings with a wider audience, and invite MP members to initiate similar projects in their own regions. The book can be downloaded as a PDF at the following site: www.cambioclimatio-bolivia.org.



Cameroon National Network of Association and NGOs of the Montain Partnership (Réseau National des Associations et des ONGs Camerounaises du Partenariat de la montagne)

Les coopératives et les mutuelles, Moyens et Outils d'un Développement Durable de Lutte Contre la Pauvreté, la Misère et la Faim pour les Populations de Montagnes. L'expérience du RENASONGCAM



Presenter: Jean Marie Tsala Messinga
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Pour contribuer à l'amélioration du bien-être et à la couverture de santé des populations de montagnes, le RENASONGCAM, avec certaines Associations et ONGs membres telles NONI WOMEN et CREAM basées à Lassin au Nord-Ouest Cameroun, expérimentent des coopératives des femmes et des mutuelles de santé et d'éducation.

Elles ont pour objectifs : Assurer le bien-être des populations de montagne; Les amener à s'autofinancer et à s'autogérer; Leur Garantir l'accès aux soins de santé et à l'éducation de qualité à moindre coût.

Pour partager et faire bénéficier de cette expérience à toutes les populations de montagnes, nous avons mis sur pied le Programme Mondial Intégré d'Appuis aux Initiatives de Crédit des Coopératives et des Mutuelles dans les zones de montagnes.

Camp Alatoo

CAMP Network: CAMP Forum 2013 "Energy-Efficiency-Future: Access and Innovation for Mountain Communities in Central Asia"



Presenter: Aida Gareeva
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The network of CAMP (Central Asian Mountain Program) unites four agencies working for sustainable development of mountain villages in Central Asia: CAMP Alatoo in Kyrgyzstan, CAMP Kuhiston in Tajikistan, the Mountain Villages Partnership and Development Foundation (MVPDF), and the Alliance of Central Asian Mountain Communities (AGOCA). Since 2002 the CAMP network annually holds a regional Forum, addressing various issues relevant for the development of Central Asian mountain regions.

CEE Himalaya (Himalaya Initiative of the Centre for Environment Education)

Reducing Footprint and Increasing Handprint for Achieving Sustainable Mountain Development



Presenter: Abdhesh Kumar Gangwar
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CEE

Centre for Environment Education

The footprint of humanity has reached much beyond the regeneration capacity of planet earth causing irreversible environmental damage and threatening sustainability. Handprint is our positive action that helps planet earth regenerate faster and contributes towards sustainability. Positive action can be associated with any aspect of resource consumption in our life style and can be of any magnitude. Our choices make a difference and we need to make the right choices. Mountains are ecologically sensitive and fragile, having witnessed serious disasters during the recent past. CEE has been using 'education for sustainable development' as a tool for promoting handprint countrywide through several programmes for different stakeholders.



Consortio para el Desarrollo Sostenible de la Ecorregión Andina (CONDESAN - Consortium for Sustainable Development of the Andean Ecoregion
Mobilizing and use the richness of the Andes to overcome poverty and social exclusion



CONDESAN
Consortio para el Desarrollo Sostenible
de la Ecorregión Andina

Presenter: Musuq Briceño
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CONDESAN is a regional research organization that works in seven Andean countries on issues concerning sustainable development and natural resource management. CONDESAN seeks to generate and share information and knowledge about natural resource management in Andean rural societies, to promote policy dialogue with local actors, national governments and regional organizations, and to strengthen Andean human and institutional capacity in order to promote new leaders for sustainable development in the Andes.

Crescente Fértil
Creation and integrated management of Mountain Protected Areas in Brazil

Presenter: Luis Felipe Cesar
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Mountains cover 16,91% of Brazilian territory. Although the highest mountain ranges of Brazil are located in the Amazon, most Brazilian mountains are found in the southeast region, within the Atlantic Rainforest biome and near to the most populous cities of the country. Despite the existence of 64 protected areas covering 1.184.602 hectares in this territory, this proximity brings many difficulties for the conservation of mountain biodiversity and space. This presentation focuses on the importance of integrated management of this protected areas. Brazilian public policies for mountain areas will also be discussed.

Ecoforum of Uzbekistan
Civil society and Mountains

Presenter: Artur Vakhitov
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The Republic of Uzbekistan is one of the most mountainous regions in the world. Civil society plays an important role in solving mountain issues. The Ecoforum of NGOs in Uzbekistan implements activities through targeted programs: public participation in the integrated development of mountain areas and in water and land environmental issues, as well as environmental education and other issues. Cooperation with international organizations also helps solve mountain issues. In the context of the Mountain Partnership we propose to develop a PR mechanism to promote the importance of mountain areas through the maximum possible involvement of MP members and non-members in popular events.



Environmental Research Center of Khazar University, Azerbaijan

Integrating Climate Change Risks into Water and Flood Management by Vulnerable Mountainous Communities in the Greater Caucasus Region of Azerbaijan



Presenter: Rovshan Abbasov
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Many mountain communities of the Greater Caucasus region are at risk from climate induced floods and water stress. Climate change is exacerbating both problems. Reducing the vulnerability of these communities requires proactive adaptation to climate change impacts. The study aims to reduce vulnerability of mountain communities of the Greater Caucasus region of Azerbaijan to climate change-induced water stress and flood hazards by improved water and flood management, through addressing the management framework at the legislative and policy level, strengthening institutional capacity by introducing new non-structural methods, and providing training and empowering communities to actively participate in water and flood management.

Ev-k2-CNR

Share and NextData, two Italian projects to study climate change effects in mountain ecosystems.



Presenter: Antonio Ciaschi
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The Stations at High Altitude for Research on the Environment (SHARE) project is concerned with climate change and its impacts on the mountain environment. The monitoring network includes 14 sites around the world to monitor climate processes and related effects on glaciers, water resources, biodiversity, and human health. The NextData project is devoted to assessing the effects of climate and environmental change in mountain areas and to build an integrated system of archives and portals to allow open access to observational and numerical data on the state of the mountain environment. This comprehensive information will allow decision-makers and stakeholders to design evidence-based adaptation, management and development policies.

**Foundation for Sustainable Development of Altai (FSDA)
Cultural Values of Mountains**

Presenter: Chagat Almashev
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Sacred sites are areas of land and water that have a specific spiritual meaning for people and societies. The Altaians' distinctive worldview can be seen in their consciousness, character, and behavior and has been established with centuries-old traditions. It developed a unique ecological culture, including an entire spectrum of moral values and an unusual philosophical image of the world. Altai's mountains are sacred places to the clans and tribes of the indigenous population. Each clan has a sacred mountain. Each valley, each mountain peak, each spring has its own spirits, or masters. The Altaians' tradition of worshiping mountain, river, and mountain pass spirits has deep roots and still plays a significant role in the people's worldview. The Altaians' mountain cult has been well known for a long time. Mountains protect clans from evil spirits and facilitate prosperity and well-being. Each clan represented a mountain's spirit differently. Mountain spirits figure mainly in epics, myths, legends, and stories.



**Fundacion CoMunidad
Cucua Coffee**

Presenter: Alberto Pascual
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The aim of this project was to create a new brand of coffee, which is grown by a group of producers living in the mountains of Panama. Most importantly, this initiative aims to integrate these crops as the main focus for the preservation of local cultural heritage and offers opportunities to strengthen the conservation of native species of trees, shrubs and plants used by local people to make traditional dress.

Fundacion Ecohabitats Colombia

Gender and Climate Change: mechanisms for the exchange of experiences of lessons learned about the role of women in access to land and adaptation to climate change

Presenter: Luis Alfonso Ortega Fernandez
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People are dealing with the effects of climate change on an everyday basis. This makes life that much harder for the poorest people, and among them, women appear to be the worst off. They are often the ones working the land and getting water to feed their families, while they do not have control over the land they work on or the major decisions about where and how to live. It is necessary develop a strategy for an exchange of lessons learned about activities carried out by Latin American women on the issues of gender, property land and adaptation to climate change.

Fundacion Pangea

Conservation of High Mountain Areas - A Shared Responsibility

Presenter: Julián Alberto Yepes
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Mountains in Colombia – and especially in Caldas department – are strategic for the development of the region: millions of people depend on mountain water and so do the agricultural systems both in the mountains and the surrounding valleys. Additionally, they provide energy through hydropower generation and host touristic activities (glaciers, forests and high Andean plateau). NGOs are active in those areas where the presence of the State is weak or faces constraints with respect to the processes supporting environmental and agricultural activities, health care and non-formal education. NGOs complement the actions of the State and become key partners for the development of training activities, environmental education, project, financial and human resources management. Therefore, NGOs represent a bridge between the State and the communities living in these mountain regions.



Global Mountain Action

Rediscovering and revaluing macro-fungi in the Andes

Presenter: Peter Trutmann

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Fungi are a major Kingdom of organisms critical to the sustainability of life and traditionally an integral part of the diet of mountain people. In this fair we will present the products of three years of work to rediscover and revalue macro-fungi in the Andes, particularly in Peru. The products include publications of ancient use, current use and knowledge, the first survey to document the diversity of macro fungi from the north to the south of the Peruvian Andes and efforts of partners to look for new markets for mountain communities. The work has implications for food, health and wellbeing as well as for sustainable environmental management, especially in a time of global change.

International Centre for Integrated Mountain Development (ICIMOD)

In the Service of Mountains and People

Presenter: Eklavya Sharma

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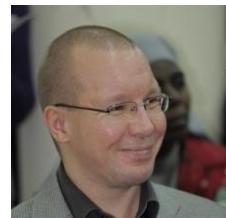
This presentation introduces the institution, the International Centre for Integrated Mountain Development (ICIMOD), to the participants of the Fourth Global Meeting of the Mountain Partnership. Eklavya Sharma presents ICIMOD's vision, mission, thematic competency areas, programmes and initiatives, strategic framework and organizational structure, global cooperation and opportunities, and the institutional journey of ICIMOD so far. Making a compelling case for the Hindu Kush Himalayas as a region of global concern, he notes its vital interest in the ongoing climate change dialogues.

International Centre of Insect Physiology and Ecology (ICIPE)

Climate change, insects and food security in East African Mountains

Presenter: Tino Johansson

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Climate Change Impacts on Ecosystem Services and Food Security in Eastern Africa Project monitors and analyzes the climate-driven changes in pollination, insect pest and disease control in forest-agriculture mosaics of the scattered mountain ranges in Ethiopia, Kenya and Tanzania. The project studies target species' eco-physiological and reproductive responses, creates predictive models and risk maps, and enhances biological control and integrated pest management to reduce yield losses and vulnerability of communities. In mountains the impacts on species composition, abundance and geographical distribution are discernible as the steep elevational gradients allow ectotherms to shift to suitable habitats uphill over relatively short distances.



Ministry of the Environment and Forests, Madagascar

Ongoing activities and perspectives

Presenter: Valérie Benjamin Ramahavalisoa
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Recently having become a Mountain Partnership member at a national level, we are currently doing an inventory of activities related to the National Strategy for Mountain Regions Development, endorsed in 2003 by the Association de la Population de Montagne à Madagascar (APMM), FAO Madagascar and the National Committee. We are working on a partnership with civil society on a water commission, a francophone forum for African French-speaking Mountain Partnership country members, and through the National Strategy of the Convention on Biological Diversity we are working on leadership of a mountain thematic group.

Ministry of the Environment, Water and Forests, Guinea

Vie sur le Mont Gangan, Préfecture de Kindia

Presenter: Louis Pascal Camara
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Du 4 au 6 janvier 2013, une délégation du Ministère de l'Environnement, des Eaux et Forêts et quelques ONG ont effectué une mission de terrain dans le cadre de la célébration du 10ème Journée Internationale de la Montagne en République de Guinée. Elle a constaté :La diminution de rendement des récoltes et la dégradation de l'écosystème par suite de déboisement, érosion et feux de brousse ; La baisse disponibilité de la quantité de l'eau (la rivière Fissa traversant la ville de Kindia qui prend sa source sur le mont tarie dès la saison sèche); le manque notoire de route d'accès, de structure sanitaire, d'infrastructure scolaire, et d'eau potable.

Mountain Areas Conservation and Development Services (MACDS)

Glacial Lake Outburst Floods (GLOFs) and their impact on Bagrote Valley, Gilgit-Baltistan, Pakistan

Presenter: Bashir Ahmed Wani
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This presentation will focus on the impact of GLOFs in Bagrote valley, which has 1,830 households and a population of 16,473 living in small villages upstream at the mouth of the glaciers and downstream along entire 40 km length of the river. The Pakistan GLOF Project, funded by the UNFCCC Climate Change Adaptation Fund and UNDP, has selected Bagrote Valley as one of the two potential project sites to enable vulnerable communities to better understand and respond to risks by GLOFs, landslides and snow avalanches under growing climate change pressures.



Municipality of Dénia, Spain

"Mountain Cuisine" international charity action

Presenters: Jesús Reina & Nando Mengual
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AJUNTAMENT DE DÉNIA

Municipality of Dénia (Spain)

Dénia is home to international award-winning local chef: Quique Dacosta (#26 on best international restaurants ranking). As far as we know, other members also want to promote local mountain cuisine. We would like to organize a joint event involving local recognized chefs who will design and cook special dishes using local mountain ingredients. Incoming benefits will be donated to FAO's field projects anywhere in the world.

National Meteorological Institute (IMN) – Ministry of Environment and Energy (MINAE)

Inter-institutional fire management experiences in tropical mountains in Costa Rica

Presenter: Magda Campos Barrantes

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Learn more about the case of Costa Rica regarding the tactics used in fire prevention and management in tropical mountains to preserve ecosystems that are extremely important for the country. The strategy is implemented at different levels, beginning with information provided by the National Meteorological Institute (IMN) which is under the Ministry of Environment and Energy (MINAE), then national coordination conducted by the National Commission of Forest Fires (CONIFOR-MINAE), and finally the support of civil society, private sector and government institutions.

Nilgiri Documentation Centre

Indian Mountain Partnership: Appeal for Support

Presenter: Dharmalingam Venugopal

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Indian mountains are globally significant for their ecological, economic and cultural values. However, except for the Himalayas, these mountains are little known and little cared for. The Western Ghats, a chain of mountains running 1600 km across six states along the western coast of India, was recently declared a UNESCO Heritage Site. It is also one of the eight Hottest Hot spots of biological diversity in the world. Two high-level panels have focused on its ecological significance and threats facing it. To sustain this global and domestic attention so that timely policies and programmes can be initiated, we propose to form an Indian-Western Ghat Mountain Partnership to mobilise the support of NGOs, research and educational institutions, governmental and non-governmental agencies and civil society in the region. We look for financial and technical support to launch the Partnership.



Pan Himalayan Grassroots Development Foundation
Holistic Mountain Development - The Grassroots Story

Presenter: Kalyan and Anita Paul
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Grassroots has been involved with holistic mountain development in languishing river basins in the Indian Himalaya for over two decades. We would like to share field experiences and build bridges with other MP stakeholders, especially regarding community-driven efforts for renewal of hydrology, re-vegetation of degraded commons and appropriate technologies for drinking water, sanitation, rainwater harvesting and renewable energy. Grassroots would also like to invite stakeholders to visit our program areas in Indian Himalaya to witness the active engagement of marginal farmers, mostly women, in the establishment of social enterprises for providing sustainable livelihoods opportunities, based on the triple bottom line of economics, ecology and equity.

Permanent Secretariat of the Alpine Convention
Reports on the State of the Alps by the Alpine Convention

Presenter: Taja Ferjancic
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Reports on the State of the Alps are periodically published by the Alpine Convention. They focus on a specific topic of ecological, economic and social development in the Alps and provide a database on the future of the Alps for decision makers and interested public. Reports consist of data assessment and verification, comparison of information and trend analyses to identify the challenges of the future. During the years Reports on Transport and Mobility, Water, Sustainable Rural Development and Sustainable Tourism have proven to be an important yard sticks in terms of formulating adapted strategies. Experts are already preparing the fifth report on Demography and Employment that will be published by 2015.

Practical Action
Gravity Ropeways Technology for Mountain People

Presenter: Achyut Luitel
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Practical Action is a UK-based International NGO that uses technology to challenge poverty in developing countries in Latin America, Africa and South Asia. Our projects are organised under four programme themes: (i) energy access; (ii) food and agriculture; (iii) urban water and waste; and (iv) disaster risk reduction. Climate change and markets are two cross-cutting themes that we try to embed across our programmes. Technology is the core of our approach to ensure justice for poor people against poverty. The technology of gravity ropeways that we are promoting in mountains has provided better accessibility of local producers to markets, contributing to poverty reduction.



Prakriti

Issues and Pathways: Knowledge Networking in Himalayan Region

Presenter: K N Vajpai

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This presentation highlights the climatic variability people face in the Himalayan region, governed by factors such as precipitation, temperature, glacial and ice melt. In 50 years, the Himalayan region has witnessed increases in glacial lake area, average temperature and annual precipitation, decline in glacial mass, increase in frequency of hydro-meteorological disasters and poor availability of water. Reliable climatic data and models are areas of concern, and there is a lack of understanding impacts on major sectors. Despite funding being available, research is undertaken in an uncoordinated manner. There is a need to develop long-term adaptation plans and to strengthen understanding and practical knowledge.

UNEP

Mountain ecosystems at the center of Ecosystem-based Adaptation (EbA)

Presenter: Musonda Mumba

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In 2008 I undertook an expedition to Rwenzori Mountain in Uganda (shared with DRC) to look at the changes as a result of climate change within this very critical ecosystem. The findings of this work were spectacular to say the least. Most of the glaciers, at the equator, 50 years on had receded. Communities had experienced changes in the lower reach ecosystems. Many years on, still working on mountains in Peru, Nepal and Uganda, the picture that is emerging is that mountain ecosystems are very fragile. UNEP's Ecosystem-based Adaptation (EbA) Programme is working to address the importance of ecosystem services in a changing climate and support countries.

Utah Valley University (UVU)

How UVU has become one of the only North American undergraduate Universities to become actively involved in sustainable mountain development and the Mountain Partnership



Presenters: Jordan Giles and Mark Petersen

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UVU has promoted sustainable mountain development (SMD) agenda after joining the Mountain Partnership in 2006. In 2007 UVU held, with the International University of Kyrgyzstan, the Women of the Mountains Conference as the first event ever to gather all Rocky Mountain representatives to advocate the SMD agenda. Two more conferences in Utah in 2011 and Peru in 2012 recruited 10 new MP members in North America with leading role of UVU student clubs. UVU students contributed to the RIO+20 Conference and proud to host annually both the International Mountain Day and High School Essay contests on U.N. – dedicated topics since 2010.