

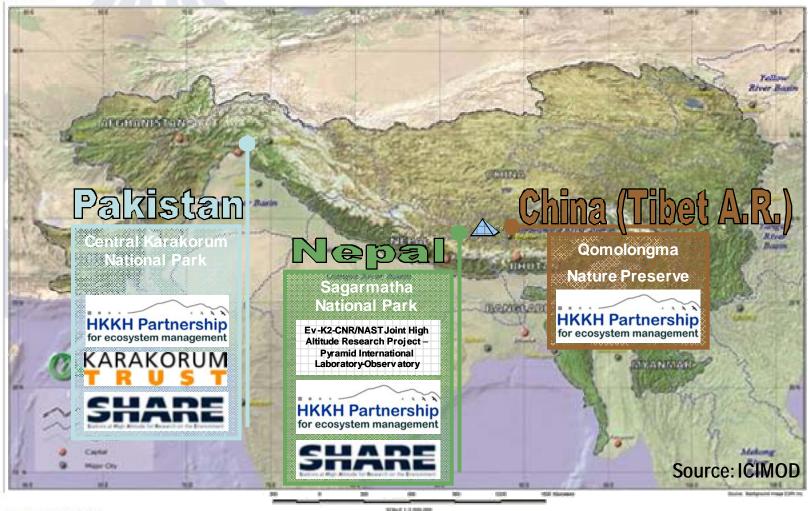
# How Ev-K2-CNR can contribute to developing mountain ecosystem conservation & climate change research initiatives in the HKKH region

International Mountain Biodiversity Conference ICIMOD, November 16-18, 2008

Presented by Dr. Gianni Tartari, Ev-K2-CNR Committee



# Ev-K2-CNR's presence in the HKKH region





## Ev-K2-CNR

## What we already do in the HKKH region:

#### Ev-K2-CNR:

- Carries out increasingly management- oriented research
- Promotes multidisciplinary research across disciplines of Environmental Science, Medicine & Physiology, Earth Sciences, Anthropology and New technologies
- Makes the Pyramid International Laboratory-Observatory (5,050 m a.s.l, Lobuche, Sagarmatha National Park) available to the local and international scientific community
- Participates in important international scientific programs led by UNEP, WMO, GEO, EU, NASA, IGBP, contributing data and elaborations from studies and observations in the HKKH region



## Ev-K2-CNR contributions

to the challenges faced by the HKKH region:

- Promote sustainable economic development and environmental protection
- Help build local scientific capacity, promoting the participation of local research professionals and institutions
- Promote sustainable, knowledge-based management of high altitude protected areas
- Provide missing baseline information on high altitude biodiversity and then help monitor the status of biodiversity
- Supply unique information for helping face the challenges posed by climate change



## Ev-K2-CNR contributions Our integrated programs the HKKH region



**Scientific Research:** network of high altitude stations, long-term observations, interdisciplinary monitoring in environmental and earth sciences, modeling.

System Technology: Nano-SHARE, a complete compact, transportable climate and atmospheric observation system for use at high altitude

Electronic Information System: GIS of mountain environments for scientists and decision makers

Capacity building: transfer of technology and know-how to local stakeholders







**Network** of projects focusing on implementation of the Central Karakoram National Park

**Integrated management plan** for CKNP Ecosystem

Climate change impact assessment

Awareness raising and capacity building on climate change adaptation and ecosystem management

Knowledge-based decision support system for the Central Karakorum Ecosystem







Ev-K2-CNR's research component includes the study of issues such as: forest conditions and sustainable forest management, solid waste management, water pollution, biodiversity, energy, wildlife, the impacts of climate change on forests and glaciers

Decision Support Toolkit will comprise results of this research and relevant models to the benefit of local stakeholder institutions in SNP.



## Ev-K2-CNR partners

in the HKKH region

Ev-K2-CNR/NAST Joint High Altitude Research Project – Pyramid International Laboratory-Observatory











**Current & Future Role**: collaborative research, joint scientific projects, dissemination of results, local awareness raising, technical management of permanent stations and systems, data downloading & transfer













Current & Future Role: collaborative research, monitoring and assessing impacts, dissemination of results, local awareness raising, technical management of permanent stations and systems, ongoing monitoring activities, data downloading & transfer



# Ev-K2-CNR partners in the HKKH region











Current & Future Role: joint research and development projects, liasing with local authorities, ongoing monitoring and assessment of biodiversity, dissemination of results and awareness raising, implementation of CKNP Ecosystem management plan



Current & Future Role: component-wise collaboration in realization of Decision Support Toolkit, joint management-oriented research, implementation of long-term monitoring plans



## Ev-K2-CNR and I C I M O D

- ▶ Ev-K2-CNR and ICIMOD signed an MoU in 2007 for the promotion and coordination of research and cooperation initiatives in the HKKH.
- ► Ev-K2-CNR and ICIMOD collaboratively participate in the UNEP project Atmospheric Brown Clouds (ABC). Data is provided by Ev-K2-CNR through their SHARE stations in Nepal.
- ► Ev-K2-CNR and ICIMOD are partners in the "HKKH Partnership Project" along with IUCN and CFSVI.
- ▶ ICIMOD will participate in the new phase of the "Karakorum Trust" project being implemented in collaboration with UNEP
- ▶ Ev-K2-CNR hopes to continue to reinforce their collaboration with ICIMOD, especially to bridge the gap between "pure" science and "applied" research; to benefit from ICIMOD's experience in developing research-based systemic management tools and to work in synergy with ICIMOD's regional network.





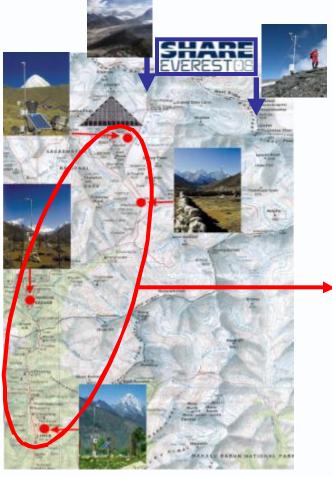
## Ev-K2-CNR looks forward to:

- ✓ further customizing our contributions to developing mountain ecosystem conservation & climate change research initiatives in the HKKH region based on the outcomes of this conference.
- ✓ reinforcing our collaboration with ICIMOD & the other conference participants.
- ✓ using our integrated programs as platforms for innovative cooperation in the HKKH region.



## SHARE Automatic Weather Stations: Kumbu Valley, Nepal





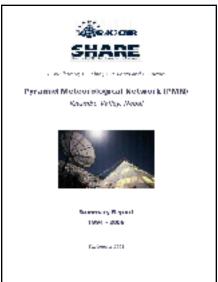
- 287 pp.
- Printed in September 2008
- · Available in pdf
- Free of charge

Associazione "Comitato Ev-K2-CNR"

#### Send any request to:

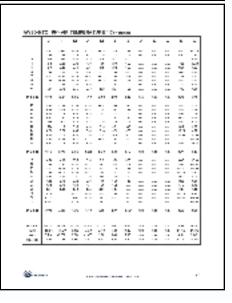
elisa.vuillermoz@evk2cnr.org or tartari@irsa.cnr.it

#### **Annuary 1994-2006**











### **THANK YOU FOR YOUR ATTENTION!**

Ev-K2-CNR Committee

Via San Bernardino 145 -

24126 Bergamo (Italy)

Tel: +39/035/3230511 - Fax: +39/035/3230551

evk?cnr@evk?cnr.org

www.evk2cnr.org