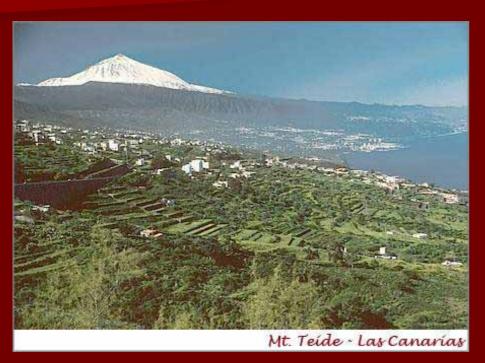


Vulnerable Mountains from Space

Harald Egerer – UNEP Vienna

Why Mountains?



"Mountains are an important source of

water, energy, and biological diversity. Furthermore, they are a source of such key resources as minerals, forest products and agricultural products and of recreation. As a major ecosystem representing the complex and interrelated ecology of our planet, mountain environments are essential to the survival of the global ecosystem."

-- Agenda 21, Chapter 13, Managing Fragile Ecosystems: Sustainable Mountain Development

....and they're pretty !!







Mountain watch



environmental change & sustainable development in mountains



Global Environmental Change in Alpine Regions

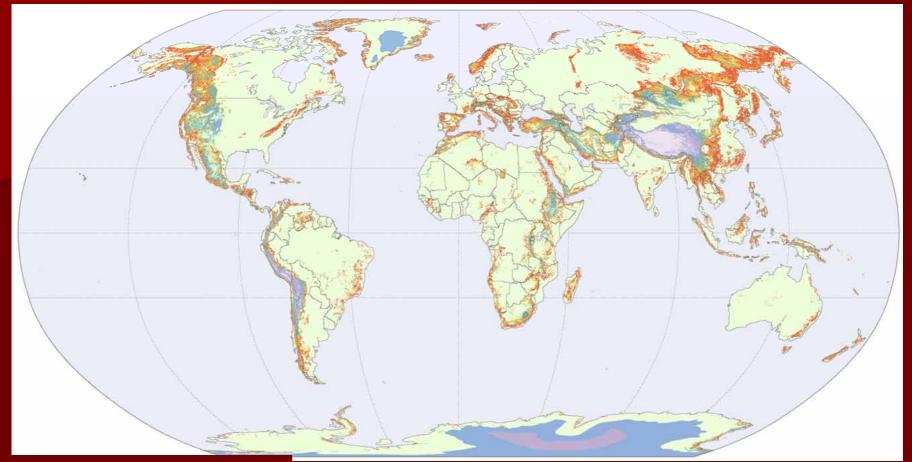
EE

Global Environmental Change in Alpine Regions

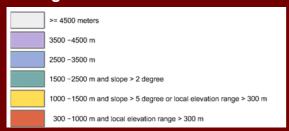


Edited by Karl W. Steininger and Hannelore Weck-Hannemann





Categories of mountain terrain



Mountains of the World

Source: Mountain Watch (UNEP-WCMC 2002)





Mountain Watch
The first global assessment of mountain ecosystems







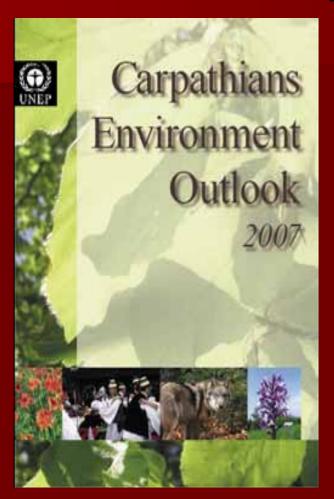
CHAPTER 13 MANAGING FRAGILE ECOSYSTEMS: SUSTAINABLE MOUNTAIN DEVELOPMENT

- http://www.un.org/esa/sustdev/documents/agenda2 1/english/agenda21chapter13.htm
- Generating and strengthening knowledge about the ecology and sustainable development of mountain ecosystems;
- Promoting integrated watershed development and alternative livelihood Opportunities.

Commission on Sustainable Development

- 1997 review (5 yrs):major progress in awareness and organizations:
- Mountain islands
- Institutions (meaning?)
- CSD Johannesburg (10 yrs) Any change over last 5 years?

KEO









The Corpothians Environment Ordinsk is an integrated assessment report on the state of, and transfer related to, the antironinars of the Carpethian Mountains and wider region, retrospectively over the past 10 years and forward to 2000. This assessment is based on analyses of socio-economic and environmental processes and flocuses on sustainable development issues, notably the environmental implications of human and economic activities. The Outlook section of the report presents three scenarios of future development for the Carpethians, exploring the relationship and synargies between policy decisions taken, the human situation and the natural environment.

The containts of this Report are based on information and data supplied by national governments of Carpethian countries, and numerous individuals and specialised institutions from the region. The main chapters are the following:

Chapter 1: Background Introduction Chapter 2: Socio-Economic Driving Forces

Chapter 3: The State of the Corpothians Environment and Policy Massures (detailed treatment of major environmental thereis)

Chapter 4: Outlook 2005 to 2020; three creamins for the Corpethians region's future development Chapter I: Conclusions and "Options for Action"

The Carpethians Environment Duttock provides greater knowledge about the unique acology and related environmental and human problems of the Corporhisms, along with burser information for nustainable decision-making in this unique region and, in particular, the implementation of the Corpetion Francescok Consumition.





Global Mountain Partnership

UNEP is the global Environmental Reference Centre (ERC) of the MPS and it helps ensure adequate attention to environmental concerns in the MPS strategic planning and activities,

The ERC's role will revolve around facilitating access by initiatives to UNEP's expertise in the issues, constituting UNEP's priorities for the new programming period

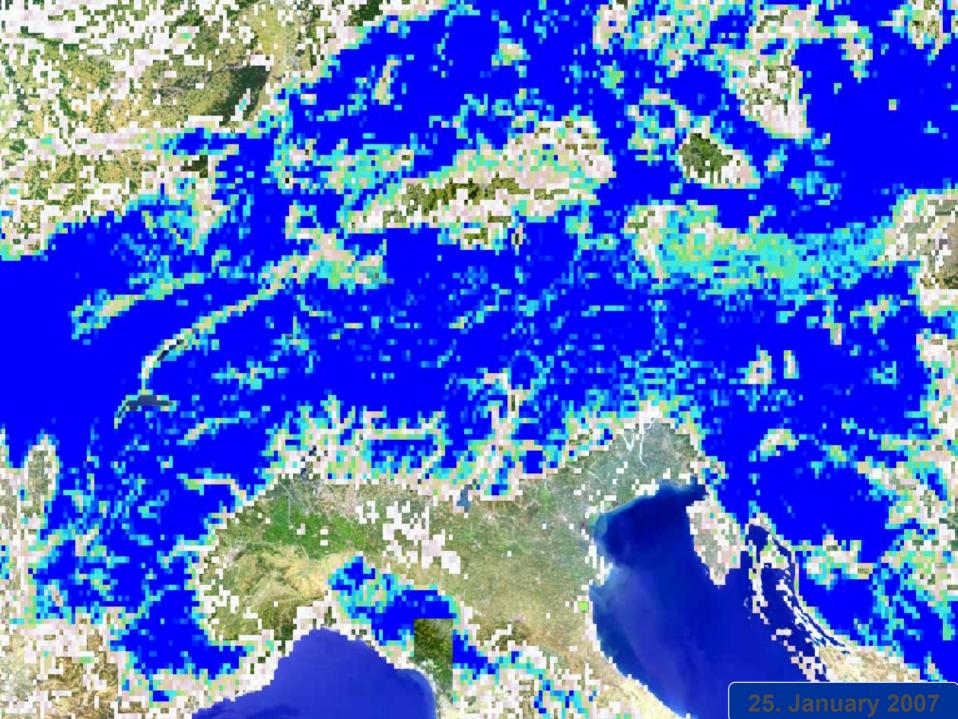




Retreat of Hintereisferner Glacier



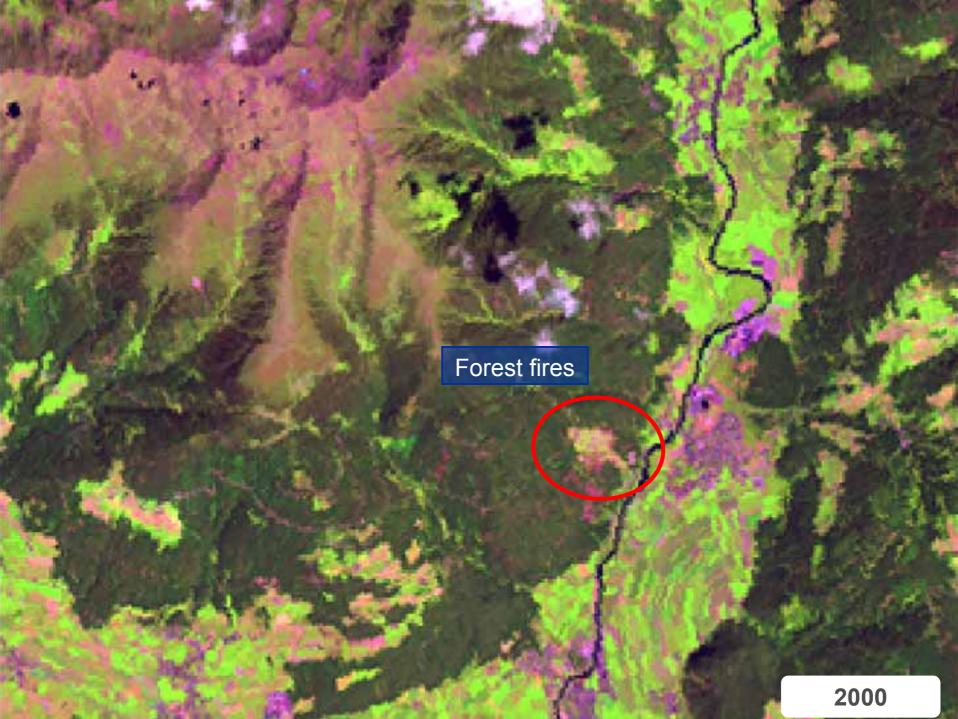






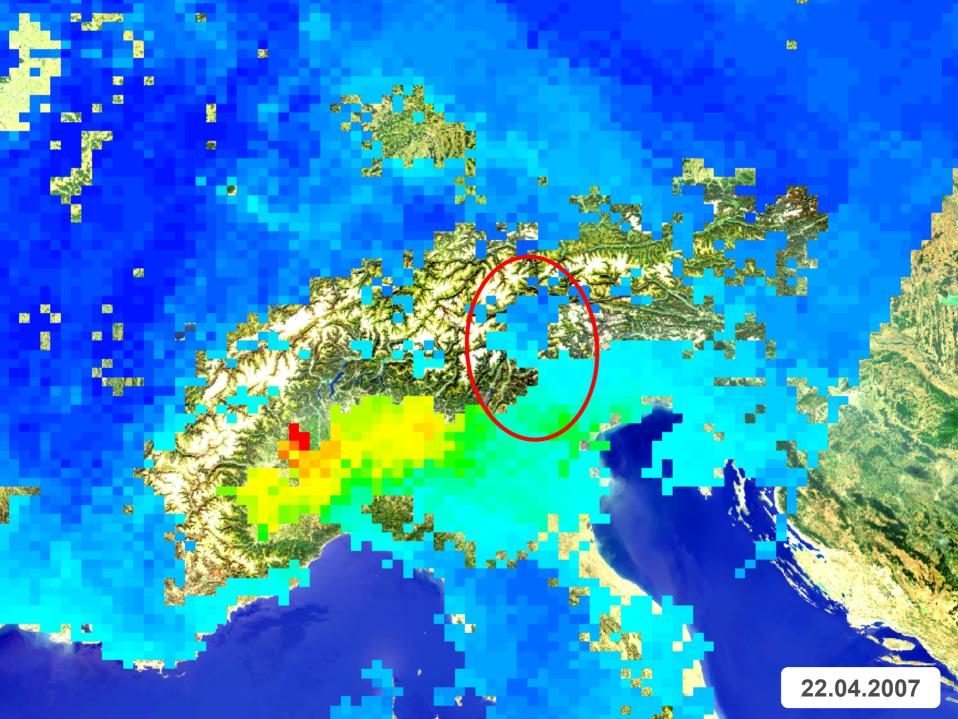






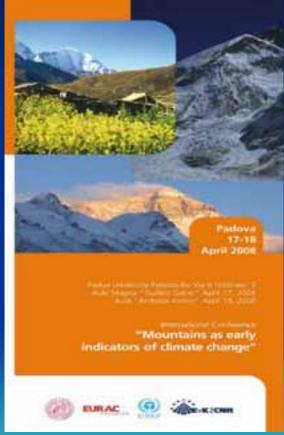








"Mountains as Early Indicators of Climate Change"











mountains.unep.ch









Visit our new website http://mountains.unep.ch

Thank you!

UNEP ROE - Vienna

www.carpathianconvention.org

www.carpathianproject.eu