

ERASMUS Intensive Course, 24th May to 06th June 2013 North and South Tyrolean Alps



Field visits
Pilot study areas
Success stories

LLP/AT – 230/04/11

<http://www.uibk.ac.at/eurostain>



IP Course Eurostain: "Training on Sustainable Management of European Mountain Regions"

General co-ordinator: Prof. Dr. Alexander Cernusca
(Institute of Ecology, University of Innsbruck).
Sternwartestrasse 15, A-6020 Innsbruck, Austria

Field visits and Workshops organised and conducted by:

Dr. Neil Bayfield, Prof. Dr. Alexander Cernusca, Prof. Dr. Francesco Comiti,
Dr. Michael Martys, Prof. Dr. Birgit Sattler, Prof. Dr. Ulrike Tappeiner,
Dr. Erich Tasser, Prof. Dr. Giustino Tonon, Prof. Dr. Stefan Zerbe

IP Course EUROSTAIN 2013

Teaching Programme, May 24th to June 6th

Friday, May 24 Opening Lecture – University of Innsbruck

16:30 – 19:30 **Alexander Cernusca** (*University of Innsbruck*)

- Opening lecture
- Scientific background of the IP course

19:30 – 21:00 ➤ Welcome – vinum academicum

Saturday May 25 Lectures and Workshop – University of Innsbruck

09:30 – 11:00 **Michael Reischer** (*Tyrolean Environmental Ombudsman*)

- Sustainable development of Tyrolean mountain regions – Concepts and conflicts (wind farms, hydropower)

11:15 – 12:45 **Christina Schwann** (*Austrian Alpine Association*)

- Wind farms, ski resorts and hydropower plants in Alpine areas - Where do we go?“

14:00 – 15:30 **Neil Bayfield** (*University Aberdeen*)

- Introduction to decision methods that involve stakeholders

15:45 – 17:45 **Workshop: Identification of indicators of sustainability.**

Neil Bayfield (*University Aberdeen*)

- Introductory talk followed by students' work and keypad voting

Sunday May 26 Field visits and lectures – Haggen - Kühtai - Praxmar

08:30 – 18:30 Field visits and lectures – Haggen - Kühtai – Praxmar

9:45 **Alexander Cernusca** (*University of Innsbruck*), **Peter Höller** (*BFW*)

- Success story Haggen – Afforestation – protection from hazards

10:30 – 15:30 **Alexander Cernusca, Birgit Sattler** (*University of Innsbruck*)

- Ski resort Kühtai – Winter tourism based on artificial snow.
- Hydroelectric powerplant Sellrain-Silz
- Effects of global changes on mountain lakes

16:30 – 18:00 **Alexander Cernusca** (*Uni Innsbruck*), **Luis Melmer** (*Alpengasthof Praxmar*)

- Success story Praxmar – Ecotourism as a tool for sustainable rural development

Monday May 27 Introductory Lectures – University of Innsbruck

09:30 – 11:00 **Ulrike Tappeiner** (*University of Innsbruck*)

- Sustainable land use and land use change in the Alps

11:15 – 12:45 **Stefan Zerbe** (*Free University of Bolzano*)

- Introduction to ecosystem restoration: History, concepts, and limitations - examples from Central Europe

14:00 – 15:30 **Francesco Comiti** (*Free University of Bolzano*)

- Sustainable Water Management in Alpine Mountain Areas

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Teaching Programme, May 24th to June 6th

Tuesday May 28	Field visits and lectures – Alpenzoo, Innsbruck
09:30	<i>Michael Martys (Alpenzoo Innsbruck)</i> <ul style="list-style-type: none">➤ Welcome and introduction
10:00	<i>Juan Herrero (University of Zaragoza)</i> <ul style="list-style-type: none">➤ Conservation and management of Alpine fauna
11:00	<i>Michael Martys, Christiane Böhm, Dirk Ullrich (Alpenzoo Innsbruck)</i> <ul style="list-style-type: none">➤ Case studies Waldrapp, Bearded Vulture, Alpine Ibex, Wildcat, Ural Owl <i>Silvia Hirsch, Eva Oberauer (Alpenzoo Innsbruck)</i> <ul style="list-style-type: none">➤ Education
12:00 – 13:00	Break for lunch
13:00 – 15:00	<i>Michael Martys and Alpenzoo staff</i> <ul style="list-style-type: none">➤ Visit to the zoo
15:00 – 16:30	<i>Neil Bayfield (University Aberdeen)</i> <ul style="list-style-type: none">➤ Ecotourism: is it the answer to sustaining mountain communities➤ Renewable energy at European level
16:30 – 17:30	<i>Dieter Stöhr (Office Tyrolean Government, Forest Service)</i> <ul style="list-style-type: none">➤ Renewable energy in Austria and Tyrol
Wednesday 29	University of Innsbruck – Workshop (Ski Resort Development)
09:30 – 16:00	<i>Neil Bayfield (University Aberdeen)</i> <ul style="list-style-type: none">➤ Introduction to Workshop➤ Three Groups (developers, planners, nature conservationists) consider three different management plans (No development; Further winter expansion; Summer expansion)
Thursday 30	Univ. of Innsbruck – Workshop (Sustainable Valley Development)
09:30 – 16:00	Limits of acceptable changes <ul style="list-style-type: none">➤ Introduction to workshop – Sellrain Valley alternatives➤ Three groups consider alternative management plans for the “Sellrain Valley” (ecotourism, local products, sustainable traffic)
16:30 – 18:00	University of Innsbruck – Barn dances
Friday 31	Field visits and lectures – EU Pilot study area Stubai Valley
08:30 – 17:30	<i>Michael Bahn, Alexander Cernusca, Christian Newesely, (University of Innsbruck), Dieter Stöhr (Office Tyrolean Government, Forest Service), Peter Höller (Department Natural Hazards and Alpine Timberline, BFW)</i> <ul style="list-style-type: none">➤ Sustainable land use and land-use changes➤ Hazard zonation, avalanche history➤ Sustainable forest development➤ Carbo Extreme – EU research network on Global Changes

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Teaching Programme, May 24th to June 6th

Saturday June 1 Introductory Lectures – University of Innsbruck

09:30 – 14:00

Daniel Gomez (Instituto Pirenaico de Ecologia, Jaca)

- Global Ecosystem services
- *David Badia (University of Zaragoza)*
- Relationships between the soils of the Alps and the Pyrenees
- Federico Fillat (Instituto Pirenaico de Ecologia, Jaca)*
- Land use history from the Ebro Valley to the Pyrenees

Afternoon free for Innsbruck

Sunday June 2 Field visits and lectures – Upper Vinschgau Valley

Morning free for Innsbruck

14:00 Departure from Volkshaus and bus transfer to Vinschgau Valley, Italy

16:00 – 17:00

Ulrike Tappeiner (University Innsbruck), Erich Tasser (European Acad. Bozen)
Reschen hydropower storage lake

Monday June 3 Field visits and lectures – Matsch Valley

09:00 – 18:00

Ulrike Tappeiner (University of Innsbruck), Erich Tasser, Roberta Bottarin, Giacomo Bertoldi, Georg Niedrist, Stefano della Chiesa, Nikolaus Obojes (European Academy Bozen)

- Sustainable management and global changes

Tuesday 04 Field visits and lectures – Schnals Valley

09:00 – 16:00

Volkmar Mair (Autonomous Province of Bolzano), Ulrike Tappeiner (University Innsbruck), Erich Tasser (European Acad. Bozen)
➤ Geology and natural hazards

17:00

Bus transfer to Natz

Wednesday 05 Interaction between flood risk and land use in mountain basins

09:00 – 16:00

Francesco Comiti, Giustino Tonon (Free University of Bolzano)
➤ Field visit to the Rienz and Ahr basins, Puster Valley

Thursday 06 Evaluation and final discussion – Return to Innsbruck

08:30 – 10:00

Evaluation and final discussion

10:00 – 12:30

Bus transfer to Innsbruck, Italians return to home universities