Intensive Training Program\textsuperscript{1} on

DISASTER PREVENTION AND REDUCTION WITH EMPHASIS ON FLOODS AND DROUGHTS

20 - 30 June 2007

Venue:

\textit{Czech University of Life Sciences (CULS)}

\textit{Prague}

\textit{Czech Republic}

sponsored by:

\textit{Czech Government}

\textit{United Nations Strategy for Disaster Reduction Secretariat (ISDR)}

\textit{Central European Disaster Prevention Forum (CEUDIP)}

\textsuperscript{1} International Summer School for students from universities participating in ELLS (European League of Life Sciences),
An Intensive International Training Program/Summer School on *Disaster Prevention and Reduction with emphasis on Floods and Drought* was held at the Czech University of Life Sciences (CULS) in Prague, 20 – 30 June 2007. MSc and PhD students were invited to enhance their knowledge in risk management of climate-driven disasters. About twenty five participants attended the training program, who came from 9 different countries (i.e. Austria, Czech Republic, Kenya, the Netherlands, Palestine, Peru, Philippines, Serbia and Thailand). Lecturers were from UN-ISDR, Platform for Promotion of Early Warning (PPEW), CEUDIP, Austria, Czech Republic and the Netherlands. The following topics were addressed:

- **FLOOD HAZARD ASSESSMENT**

- **DROUGHT HAZARD ASSESSMENT**

- **CLIMATE CHANGE**
  Climate change scenarios, climate change and water management, geo-engineering.

- **VULNERABILITY ANALYSIS**

- **OPTIONS FOR RISK REDUCTION**

- **EARLY WARNING**
  Real time data collection, transmission and processing. Forecasting and updating of meteorological and hydrological elements. Selection of appropriate models. Warning reception and channels. Local and regional preparedness assessment.

- **MITIGATION AND RECOVERY**
  Planning and decision making at central, regional and local government level. Role of civil society, education and training.

In addition to lectures, a role play on disaster prevention and a computer practical on the impact assessment of human activities on droughts were organized. The participants got acquainted with the operational combined meteorological and hydrological forecasting system from the Czech
Hydrometeorological Institute (CHMI). A first field 1-day trip was organized to the Jizera Mountains (north Czech Republic), where the Mseno Dam (leakage problems were solved with a seal gallery below the dam) and Bílá Desná catchment (dam failure) were visited. Additionally, hydrometeorological measurements for hydrological forecasting were demonstrated in the Černá Nisa experimental catchment. At the second 1-day field trip the CULS’s forestry experimental site in Kostelec was visited. A third field trip addressed the flood protection system with the cascade of reservoirs of the Vlatava River, which plays an important role in the flood protection of Prague. The participants concluded with own presentations on the role of civil society in disaster and risk management.

Lecturers and course participants appreciated the good facilities offered by the Czech University of Life Sciences, the great hospitality and the platform to discuss Disaster Prevention and Reduction from different backgrounds.

Lecturers:
- Stefanie Dannenmann, United Nations Strategy for Disaster Reduction Secretariat (UN-ISDR), Geneva, Switzerland – Platform for the Promotion of Early Warning (PPEW), Bonn, Germany
- Hubert Holzmann, University of Agricultural Sciences (BOKU), Vienna, Austria
- Terry Jeggle, United Nations Strategy for Disaster Reduction Secretariat (ISDR), Geneva, Switzerland
- Zdeňek Kos, Technical University, Prague, Czech Republic
- Pavel Kovar, Czech Agricultural University, Prague, Czech Republic
- Henny van Lanen, Wageningen University, the Netherlands
- Peter Nachtnebel, University of Agricultural Sciences (BOKU), Vienna, Austria
- Jaromír Nemec, Central European Disaster Prevention Forum (CEUDIP), Prague, Czech Republic

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