

HUNGARIAN NATIONAL REPORT ON IACS 2007–2010

J BARTHOLY

Department of Meteorology, Eötvös Loránd University (ELTE),
Pázmány Péter sétány 1/A, H-1117 Budapest, Hungary, e-mail: bari@ludens.elte.hu

From 2006 high-education of Hungary has been changed to the European standard three-level system agreed in Bologna. The new curricula for the three level system including the Bachelor (BSc), the Master (MSc), and the Doctoral (PhD) courses have been introduced (Bartholy et al. 2009). In the frame of this development new courses devoted to the cryosphere have been included in the MSc curriculum. Moreover, climatology courses have been revised to provide more detailed insight into the elements of the climate system, including the cryosphere, hydrosphere, etc. Related to the cryosphere, course material have been expanded with several international completed project reports, e.g., ACIA (Arctic Climate Impact Assessment).

During the reported period several BSc and MSc diplomaworks (Hadvári 2010, Homolya 2010, Lenkei 2008, Tóth 2007) focused on cryosphere-related topics, under the supervision of the academic staff of the Department of Meteorology at the Eötvös Loránd University, and the Hungarian Meteorological Service.

In Hungary snow accumulation occasionally may result in severe consequences on the constructed environment, e.g., building roofs, power lines, road accessibility, etc. (Lakatos and Bihari 2009). As far as research activity on the cryosphere, Hungary participated in the COST Action 727 on Measuring and forecasting atmospheric icing on structures (Kolláth and Tóth 2009).

The list of publications appended to this report provides more information on these activities.

References

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- Homolya E 2010: Snowing in the solar system using different types of snow crystals (in Hungarian). BSc Diplomawork. Department of Meteorology, Eötvös Loránd University, Budapest. Supervisors: Sz Bérczi, P Tasnádi, p. 56.

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- Tóth K 2007: Forecasting possibility of rime development using numerical model outputs (in Hungarian). MSc Diplomawork. Department of Meteorology, Eötvös Loránd University, Budapest. Supervisors: K Kolláth, L Molnár, Gy Gyuró, p. 74.