

Solar System atlas series on the Eö

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Planetary science education needs new forms of teaching. Our group have various initiatives of which a new atlas series about the studies of the Solar System materials, planetary surfaces and atmospheres, instrumental field works with robots (landers, rovers) and other beautiful field work analog studies. Such analog studies are both used in comparative planetology as scientific method and it also plays a key role in planetary science education. With such initiatives the whole system of the knowledge of terrestrial geology can be transformed to the conditions of other planetary worlds. We prepared both courses and their textbooks in Eötvös University in space science education and edited the following educational materials worked out by the members of our space science education and research group:

- (1): *Planetary and Material Maps on: Lunar Rocks, Meteorites* (2000);
- (2): *Investigating Planetary Surfaces with the Experimental Space Probe Hunveyor Constructed on the Basis of Surveyor* (2001);
- (3): *Atlas of Planetary Bodies* (2001);
- (4): *Atlas of Planetary Atmospheres* (2002);
- (5): *Space Research and Geometry* (2002);
- (6): *Atlas of Micro Environments of Planetary Surfaces* (2003);
- (7): *Atlas of Rovers and Activities on Planetary Surfaces* (2004);
- (8): *Space Research and Chemistry* (2005);
- (9): *Planetary Analog Studies and Simulations: Materials, Terrains, Morphologies, Processes.* (2005);

References: [1] Bérczi Sz., Hegyi S., Kovács Zs., Fabriczy A., Földi T., Keresztesi M., Cech V., Drommer B., Gránicz K., Hevesi L., Borbola T., Tóth Sz., Németh I., Horváth Cs., Diósy T., Kovács B., Bordás F., Köllő Z., Roskó F., Balogh Zs., Koris A.,

Imrek Gy. (Bérczi Sz., Kabai S. Eds.) (2002): *Concise Atlas of the Solar System (2): From Surveyor to Hunveyor. How we constructed an experimental educational planetary lander model*. UNICONSTANT. Budapest-Pécs-Szombathely-Püspökladány. [2] Bérczi Sz., Hargitai H., Illés E., Kereszturi Á., Sik A., Földi T., Hegyi S., Kovács Zs., Mörtl M., Weidinger T. (2004): *Concise Atlas of the Solar System (6): Atlas of Microenvironments of Planetary surfaces*. ELTE TTK Kozmikus Anyagokat Vizsgáló Űrkutató Csoport, UNICONSTANT, Budapest-Püspökladány; [3] Szaniszló Bérczi, Henrik Hargitai, Ákos Kereszturi, András Sik (2005): *Concise Atlas on the Solar System (3): Atlas of Planetary Bodies*. ELTE TTK Kozmikus Anyagokat Vizsgáló Űrkutató Csoport. Budapest, [4] Szaniszló Bérczi, Tivadar Földi, Péter Gadányi, Arnold Gucsik, Henrik Hargitai, Sándor Hegyi, György Hudoba, Sándor Józsa, Ákos Kereszturi, János Rakonczai, András Sik, György Szakmány, Kálmán Török (2005): *Concise Atlas on the Solar System (9): Planetary Analog Studies and Simulations: Materials, Terrains, Morphologies, Processes*. (Szaniszló Bérczi, editor) ELTE TTK Kozmikus Anyagokat Vizsgáló Űrkutató Csoport, UNICONSTANT, Budapest-Püspökladány.