



METEO in the TALNET project after 5 years - meteorology for talented high schools students

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TALNET is a project aiming to systematically identify and work with gifted youth (13–19 years). Specifically, it applies online educational activities combined with face to face activities. It has been organised by the Faculty of Maths and Physics (MFF) of Charles University in Prague (UK) and National Institute for Youth (NIDM) since 2003, later in cooperation with other faculties, e.g. Natural Sciences (PrF UK), universities and science and research institutes in the Czech Republic and abroad, e.g. DLR, Germany. Topics of the educational activities come from natural sciences (such as physics, astronomy, biology, chemistry, meteorology etc.) and mathematics.

The presented project's part METEO embraces lessons primarily focused on basics of meteorology and atmospheric physics in general and it has been part of the Talnet project for 5 years. The meteorological lectures consist of description of, e.g., climate system, meteorological quantities, weather forecasting, ozone and the stratosphere, climate change or atmospheric optics. On top of the lectures, the students are encouraged to work on enclosed homework such as meteorological time series analysis, clouds observation and classification, halo simulation and so on. The METEO course lasts one semester and the students make their seminar thesis at the end. The presented materials will consist of examples of the contemporary lectures and their organization, homeworks or seminar theses.