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Bringing the Rubin Observatory and LSST to Schools: Space STEM Workshops across Greater Poland

The “Space Workshop Days” project is a regional STEM outreach initiative bringing modern astronomy, space science, and technology directly to secondary-school students across Greater Poland, Poland. Funded by the Local Government of the Greater Poland Region and coordinated by the Earth and Space Foundation in collaboration with Adam Mickiewicz University and Poznań University of Technology, the project comprises seven full-day educational events reaching approximately 630–840 students aged 14–19.

A central element of the programme is the promotion of the Vera C. Rubin Observatory and its Legacy Survey of Space and Time (LSST). Through hands-on activities using Rubin Comet Catchers, students work with astronomical images and learn how large-scale sky surveys can be used to discover and study comets and other Solar System objects. Complementary workshops introduce satellite Earth observation using Sentinel data, robotics, programming, and automation.

By connecting authentic scientific data with practical activities and direct interaction with researchers, the project introduces students to contemporary astronomy and highlights educational and career opportunities in STEM and the space sector. Particular emphasis is placed on reaching young people outside major academic centres and increasing awareness of LSST and data-driven astronomy throughout the Greater Poland region.

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