

# Astro tourism: Astro Izery project.

**Tomasz Mrozek<sup>1,2</sup>, Sylwester Kołomański<sup>1</sup>, Grzegorz akowicz<sup>3</sup>,  
Stanisław Kornafel<sup>4</sup>, Tomasz L. Czarnecki<sup>5</sup>, Pavel Suchan<sup>6</sup>, Zbigniew  
Kamiński<sup>7</sup>**

<sup>1</sup>Astronomical Institute, University of Wrocław, ul. Kopernika 11, 51-622 Wrocław, Poland  
email: [mrozek@astro.uni.wroc.pl](mailto:mrozek@astro.uni.wroc.pl)

<sup>2</sup>Solar Physics Division, Space Research Centre, Polish Academy of Sciences

<sup>3</sup>XIIIth High School in Wrocław

<sup>4</sup>Tourist Station "Orle"

<sup>5</sup>teleskopy.net

<sup>6</sup>Astronomical Institute, Academy of Sciences of the Czech Republic

<sup>7</sup>Forestry Commision Świeradów

**Abstract.** The Astro Izery project is carried by several institutions from Poland and Czech Republic. Its aim is to educate and inform tourists, who reach the Izery Mountains, for astronomy and light pollution. The project consists of two activities: permanent (sundials, planetary path etc.) and periodic (meetings, workshops). After five years the project is in good health and will gain more elements in next years.

**Keywords.** Keyword1, keyword2, keyword3, etc.

---

## 1. Overview

An idea of the Astro Izery project was born during the first edition of School Workshop on Astronomy (SWA) organized in the Tourist Station Orle. We intend to connect a tourist and natural value of the Izera Mountains with an astronomical education under the dark starry sky. The project extend the present tourist and education offer of the Izera Mountains. It consists of several components that may be divided into two groups: permanent (pt) and periodic (pc):

- The scaled model of the Solar System (pt) - 4.5 km long (scale 1:1 bln)
- Izera Dark Sky Park (IDSP)(pt) - opened on November 4th, 2009 as the first dark sky park in Poland, Czech Republic and in Europe. At present it is still the one and only international DSP in the world.
- Sun dial and a gnomon (pt) - located in the Orle settlement.
- School Workshop of Astronomy (pc) - for high school students. Ten editions.
- All-Poland Astronomical Meeting (pc) - for amateur astronomers. Seven editions.
- Astronomical Day in Izera Mountains (pc) - meeting for everyone. Five editions.

The IDSP gives an opportunity to educate the society in the field of light pollution and to include nocturnal darkness conservation in the existing nature conservation of this area. The educational part of the Astro Izery project is active in the form of meetings with "living astronomers". In a near future we plan next editions of meetings and we are going to realize several new permanent components. The planetary path will be supplemented by dwarf planets. Thanks to that the path will run across entire IDSP. The next element will be the cafeteria on the Stóg Izerski summit. We plan to create here a ceiling with 2000 light points made of optical fibers that will constitute a map of the sky that is visible in the Izera Mountains on winter months. Additionally, permanent exhibitions of meteorites will be opened in the cafeteria and in the "Orle".