



HELIO-lab - From Backyard Observations to Heliospheric Science

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HELIO-lab aims at increasing public awareness of heliospheric science and scientific computing in a playful way. The project addresses families, elementary schools and scientists working with the public. Personal experiences generated from observing the Sun are used as a starting point for sparking interest in solar phenomena and learning about science. We show how we put this concept into practice by three modules. All start from direct observation with simple instruments followed by the examination of near real-time data from a variety of missions. The Web-lab is a multilingual webpage with a surprising format and the appeal of a picture book. The School-lab is an activity box for elementary schools. The Expo-lab is a toolbox scientists can use to communicate their projects at public events. HELIO-lab is the education and public outreach project of HELIO – The Heliophysics Integrated Observatory.