



Earth and Space Science Informatics: Raising Awareness of the Scientists and the Public

M. Messerotti (1,2,3) and E. CoBabe-Ammann (4)

(1) INAF-Trieste Astronomical Observatory, Trieste, Italy (messerotti@oats.inaf.it, 0039 040 226630), (2) Department of Physics, University of Trieste, Trieste, Italy, (3) National Institute for Nuclear Physics, Trieste Division, Trieste, Italy, (4) Laboratory for Atmospheric and Space Physics, Boulder, Colorado, USA

The recent developments in Earth and Space Science Informatics led to the availability of advanced tools for data search, visualization and analysis through e.g. the Virtual Observatories or distributed data handling infrastructures.

Such facilities are accessible via web interfaces and allow refined data handling to be carried out.

Notwithstanding, to date their use is not exploited by the scientific community for a variety of reasons that we will analyze in this work by considering viable strategies to overcome the issue.

Similarly, such facilities are powerful tools for teaching and for popularization provided that e-learning programs involving the teachers and respectively the communicators are made available.

In this context we will consider the present activities and projects by stressing the role and the legacy of the Electronic Geophysical Year.