



Contribution ID: 8

Type: **Talk**

CHE SOLE CHE FA : educational Space Weather bulletins by SWELTO

Thursday 12 September 2024 13:55 (5 minutes)

The Solar Physics Group at the INAF-Turin Astrophysical Observatory (OATo) is involved in many Space Weather (SW) projects and missions. In particular, is leading the local project SWELTO-Space WEather Laboratory in Turin Observatory, aimed at the development of new tools and measurements of interest for SW. After a period of testing based on the creation of weekly SWELTO SW reports, in April 2022, we began a collaboration with the INAF Educational project “Sorvegliati Spaziali”(PI Daria Guidetti) to provide monthly bulletins. The experimental edition was released on the “SWELTO TV”YouTube channel. In this test phase, we posted 12 videos with a duration of 3–7 min regarding the observed solar activity during different phases of the solar cycle, achieving an average of 90 views each. The new series of monthly bulletins entitled “Che Sole che fa”is now published (in Italian language) on the “Sorvegliati Spaziali”website and reposted by MEDIA-INAf TV, the institutional YouTube channel with more than 46,000 subscribers. The SWELTO bulletins were also announced on TV by TG Leonardo, the national science and environment newscast.

At July 2024 , we published 28 monthly videos starting from April 2022, achieving a total of 36,883 views, an average of 1317 views for each video, and a peak of 3860 views for a single video. The same team developed an initiative specifically for 17th European Solar Physics Meeting called “Sapore di Sole”, based on short (3 minutes) educational videos covering the main topics of Solar Physics and SW.

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Session Classification: Outreach in Solar Physics