

## 1st TETIS Workshop



Contribution ID: 15

Type: **not specified**

# Present, past and future of the development of the control software for the Italian radio telescopes

*Thursday 29 October 2020 11:50 (20 minutes)*

DISCOS (Development of the Italian Single-dish COntrol Software) is presently founded on a small group of people - endorsed by the UTG2 of the Scientific Directorate of INAF "National Division for Radioastronomy" - aimed at delivering the control software for the Italian radio telescopes. The core of the project was born several years ago, during the construction of the Sardinia Radio Telescope. As of today it has gone through all the phases of the software life cycle, reaching the current stage of maintenance and extension. We operate and support all three antennas. Along time, many tools and high-level applications for observers have been included, as well as several related projects developed within INAF.

In this talk, we will briefly present the DISCOS project and the related activities. We will also provide feedback regarding the experience gained in recent years and we will analyze, in retrospect, the worst practices, the causes and consequences of management and design errors. We will also introduce the future plans. Finally, we will discuss some of the actions taken in order to mitigate the impact of the errors from the past that affect both the present maintenance and the future developments.

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**Session Classification:** Radio