

African Capacity-Building Workshop on Space Weather Effects on GNSS



3 - 14 October 2022
An ICTP Hybrid Meeting
Trieste, Italy

Further information:

<http://indico.ictp.it/event/9831/>
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Space Weather is a term generally used to indicate “the conditions on the Sun and in the solar wind, magnetosphere, ionosphere, and thermosphere that can influence the performance and reliability of space-borne and ground-based technological systems and can endanger human life or health”.

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Description:

Studies on Space Weather effects on the Earth's ionosphere, and therefore on Global Navigation Satellite Systems (GNSS), have been ongoing for several years. Nevertheless, additional efforts are still needed to increase the involvement of the scientific community in this field of research, especially from emerging nations. This capacity-building workshop is intended to provide an in-depth view of Space Weather phenomena, including its effects on technological systems.

Specific tutorials about GNSS and the exploitation of its signals for ionospheric studies will be given with the aim of enhancing the knowledge and the research capabilities of young scientists, principally from African countries.

Moreover, group projects on GNSS data analysis to investigate the ionospheric response to Space Weather events will be performed by the participants during the workshop.

Topics:

- GNSS generalities
- Space Weather and Sun-Earth coupling
- Ionospheric monitoring and modelling
- Ionospheric measurements
- Space Weather prediction and forecasting

Local Organiser:

B. Nava, ICTP, Italy

How to apply:

Online application:
<http://indico.ictp.it/event/9831/>

Female scientists are encouraged to apply.

Grants:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.

Deadline:

17 July 2022

for participants needing financial support and/or visa

21 August 2022

for online participation



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