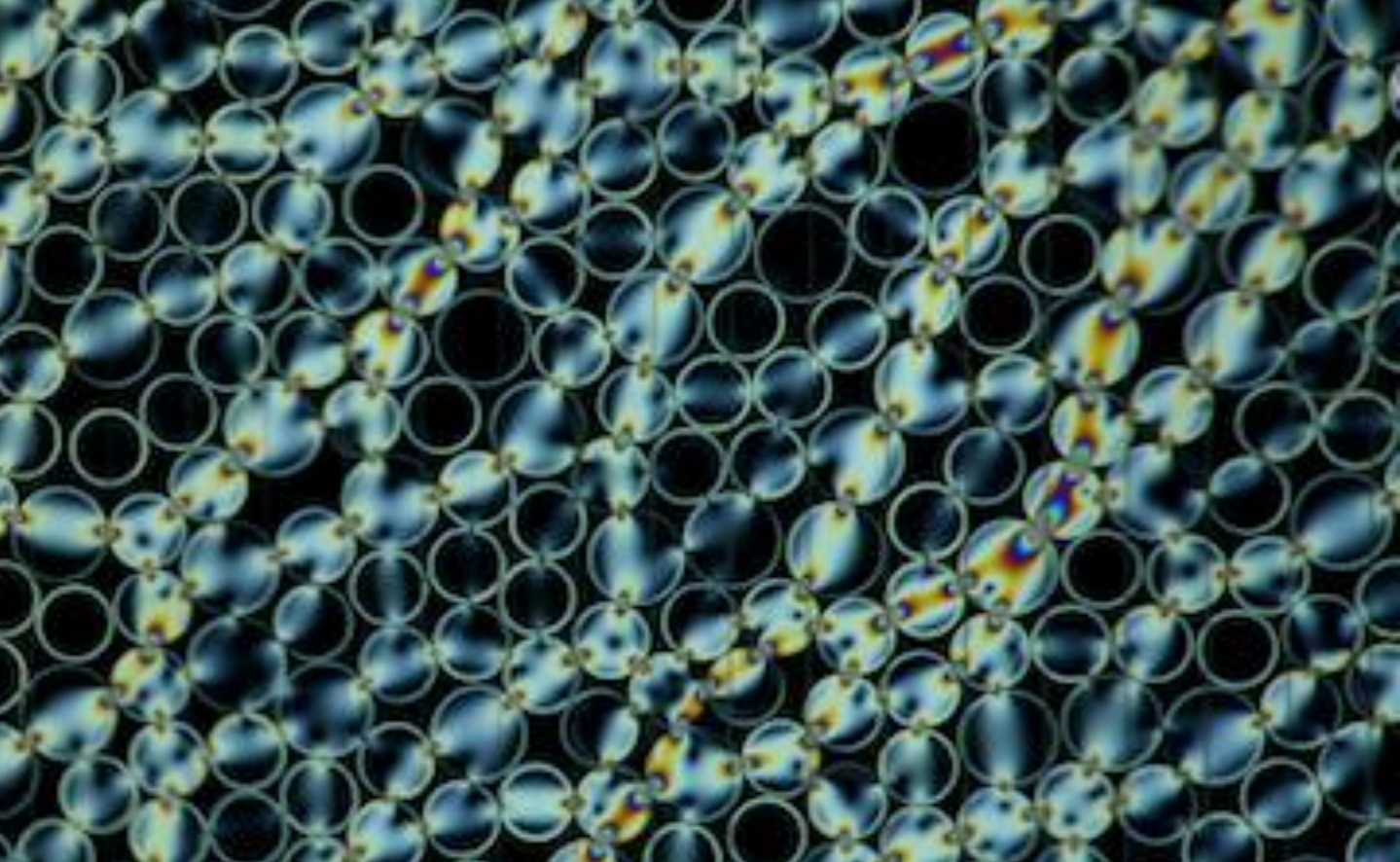
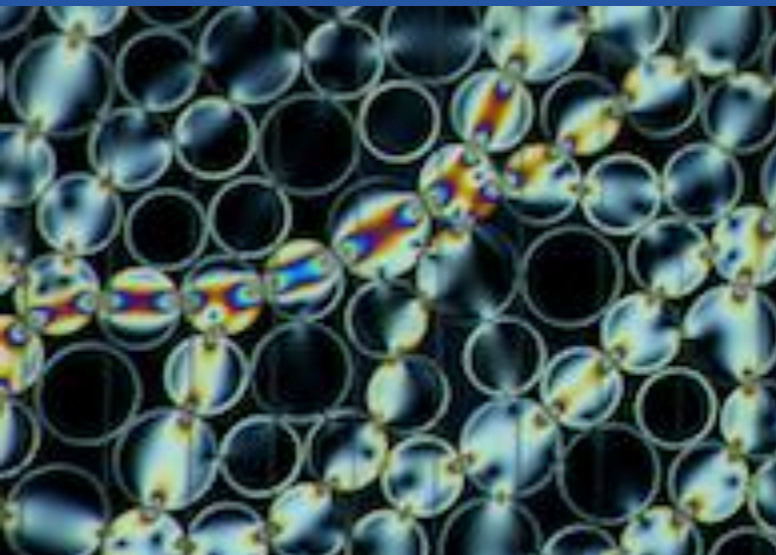


# ICTP Space Weather Activities



Yenca Migoya-Orué

STI Unit (ICTP)



UN Vienna, 6<sup>th</sup> February 2024



The Abdus Salam  
International Centre  
for Theoretical Physics



# What is ICTP?

- Founded in 1964 by Nobel Laureate Abdus Salam



ICTP is a **unique institution** that explores fundamental scientific questions at the highest level, promotes **active engagement** with scientists in developing countries, and advances **international cooperation** through science.



The Abdus Salam  
International Centre  
for Theoretical Physics

Governing members

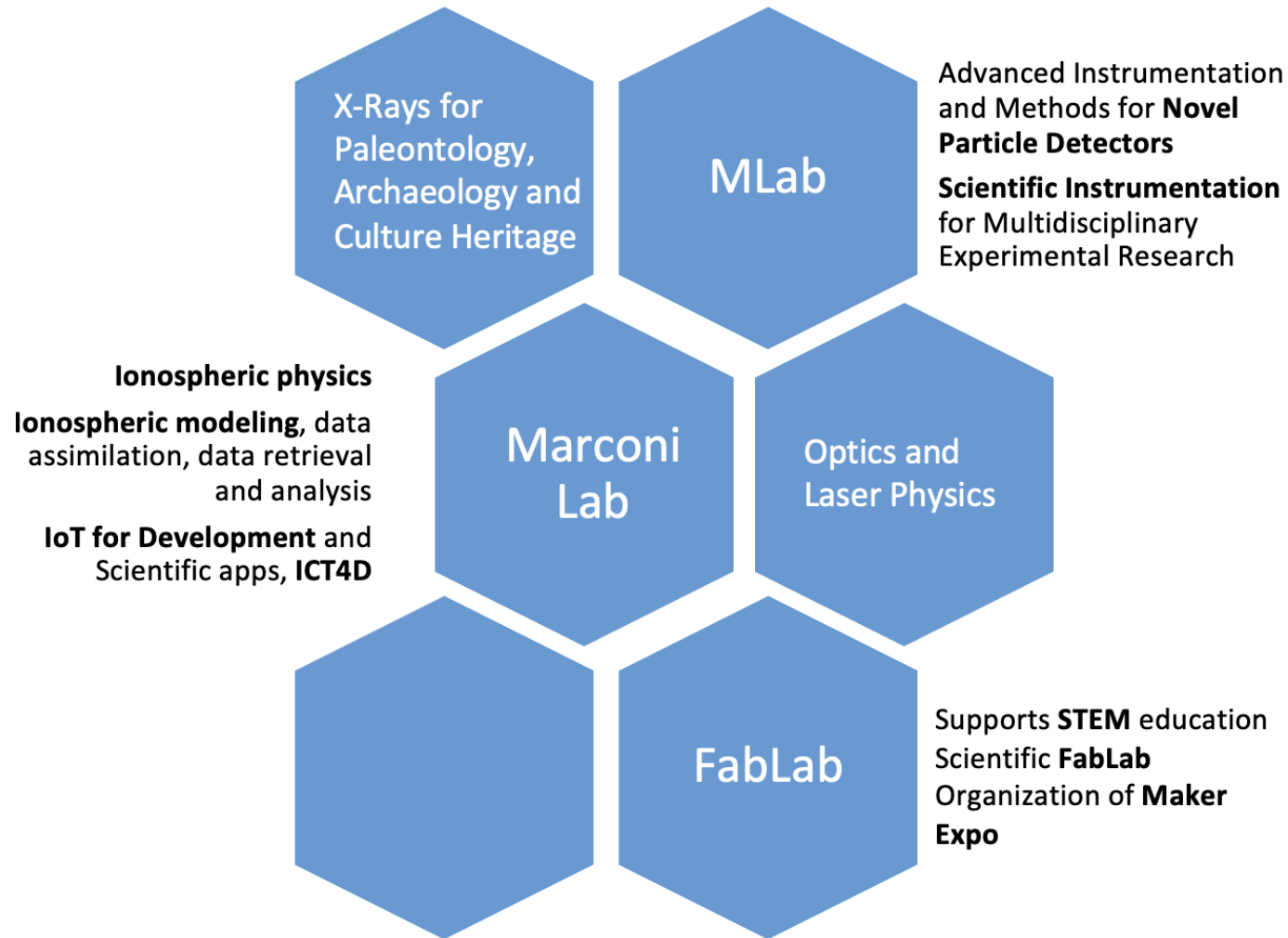


IAEA  
International Atomic Energy Agency



unesco  
United Nations  
Educational, Scientific  
and Cultural Organization

# Science, Technology and Innovation (STI) Unit



# SPACE WEATHER Activities 2023

## Low Cost ICTP GNSS receivers Network



Contact: [bnava@ictp.it](mailto:bnava@ictp.it)

# SPACE WEATHER Activities 2023

## Ongoing Research Projects

- ESA's AMIC initiative led by Rokubun in collaboration with ICTP: Low Cost Ionospheric Monitoring and Observable Characterization: Proof of Concept
- MoNEWIC (ESA), Monitoring Network for Evil Waveform and Ionospheric Characterization (in collaboration with DLR)
- DLProp: Deep Learning for Screening Propagation Data (INGV, Rokubun, JR, FFI)

# SPACE WEATHER Training Activities 2023

ICTP-SCOSTEP-ISWI School and Workshop on the  
Predictability of the Solar-Terrestrial Coupling - PRESTO



29 May - 2 June 2023  
An ICTP Meeting  
Trieste, Italy



Institute for  
Space-Earth  
Environmental  
Research

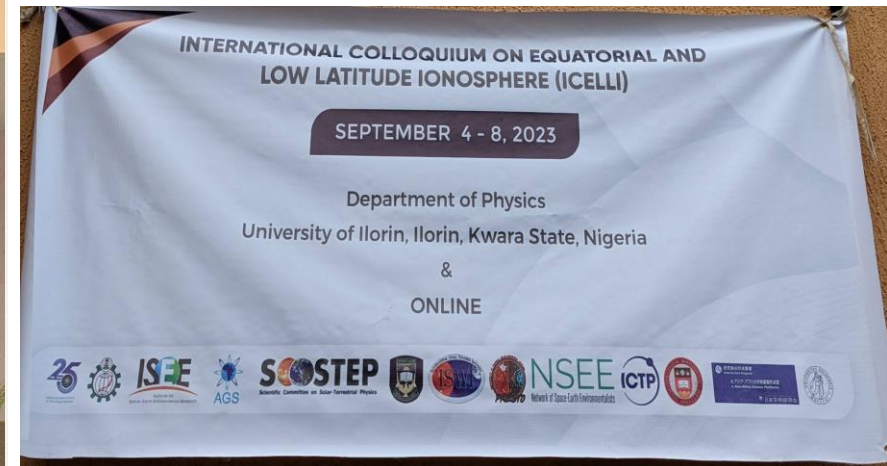


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# SPACE WEATHER Training Activities 2023



# SPACE WEATHER

## Training Activities 2023



Eastern Africa Capacity Building Workshop on Space Weather and Low-latitude Ionosphere  
3- 12 October, 2023, Malindi, Kenya





# SPACE WEATHER Training Activities 2024

## African Capacity Building Workshop on Space Weather and Ionospheric Research | (smr 3977)

🕒 Starts 22 Oct 2024  
Ends 31 Oct 2024  
Central European Time

📍 ICTP  
Giambiagi Lecture Hall (AGH)  
Strada Costiera, 11  
I - 34151 Trieste (Italy)

### Organizers

Cesaroni Claudio (INGV),  
Groves Keith (Boston  
College), Olwendo Joseph  
Ouko (Pwani University),  
Gadimova Sharafat  
(UNOOSA), Local Organiser:  
Bruno Nava (ICTP)

## XIV COLAGE - Conferencia Latinoamericana de Geofísica Espacial

Monterrey, Nuevo León, Mexico | 8-12 April 2024

### ICTP Scientific Calendar


#### Participate

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 **Propose**  
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 **Host**  
an event at ICTP →

#### Past Events

**View**  
the event archive

 →

<https://www.ictp.it>



Thank you

[yenca@ictp.it](mailto:yenca@ictp.it)