

## **Session Program**

**8-12 Sept 2025**



# **CTBT: Science and Technology Conference 2025 - SnT2025**

## **P4.4 International Monitoring System Sustainment into the future**

Hofburg Palace & Online  
Hofburg Palace, Vienna, Austria

# Thursday 11 September

09:00

## P4.4 International Monitoring System Sustainment into the future

**Poster Session** | **Location:** Zeremoniensaal | **Conveners:** Ms Michelle Grobbelaar, Ms Anne Lycke

### Augmented State of Health Sensors for Predictive Failure analysis

**Speaker**

Mr Vincent Woods

### Lifecycle of IMS hydroacoustic hydrophone stations, and technical approach to their sustainment

**Speaker**

Mario Zampolli

### Resilient Monitoring in Extreme Conditions: Sustaining the Warramunga Seismic Array

**Speaker**

Mr Gregory Brenn

### Modelling IMS seismic and infrasound networks sustainment needs: data-driven approach for IMS sustainment Planning

**Speaker**

Mr Benoit Doury

### Failure Analysis as support to enhance the sustainment of the International Monitoring System (IMS) network: existing challenges and perspectives.

**Speaker**

Ms Paola Campus

### Collaborating with Station Operators for Developing the International Monitoring System Sustainment Strategy

**Speaker**

Ms Michelle Grobbelaar

### Building the International Monitoring System Sustainment Strategy through international expert consultation and collaboration

**Speaker**

Ms Michelle Grobbelaar

### Documenting two decades of seismological station maintenance in Venezuela: lessons learned and future directions

**Speaker**

Mr Roberto Betancourt A.

### The performance of back up power at KMBO primary seismic station post upgrade

**Speaker**

Mr Josphat Kyalo Mulwa

### Technology and human resource in operation and maintenance

**Speaker**

John Opiyo Akech

**Improving Detection Capabilities: The Upgrading of CTBTO Auxiliary Stations in Indonesia**

**Speakers**

Mr Ariska Rudyanto, Mrs Rika Swastikarani, Mr Setyoajie Prayoedhie

10:00