

**DAY 1**

# AGENDA

**EUROPEAN SPACE AGENCY - ESA PECS INFORMATION  
SESSION FOR THE THIRD MALTA PECS CALL MT3**

**09.10.25** | **ESPLORA PLANETARIUM HALL,  
VILLA BIGHI, KALKARA**

**Morning****08:30 – 09:00****Registration and Coffee****09:00 – 09:15****Opening by Xjenza Malta**

Director of SPU James Catania

**09:15 – 10:15****Briefing for the 3rd PECS call**

Jennifer Ngo Anh

**10:15 – 11:15****How to write a good proposal part 1**

Jennifer Ngo Anh

**11:15 – 11:30****Coffee break****11:30 – 12:30****How to write a good proposal part 2**

Jennifer Ngo Anh / Maria Dasi Espuig

**12:30 – 13:00****Overview of planned Top-Down Awareness and Outreach activity**

Maria Dasi Espuig

**13:00 – 14:00****Lunch****Afternoon****Main Hall****14:00 – 14:30****NISO: Northern Ireland Space Office Presentation**

Robert Hill

**14:30 – 15:00****Romania: ESA Space Coordinator Presentation**

Julia Jivanescu

**Main Hall Terrace****14:15 – 17:00****One-to-one meetings with ESA representatives**

DAY 2

# AGENDA

## SATELLITE EARTH OBSERVATION DERIVED INFORMATION FOR PUBLIC SECTOR ORGANIZATIONS WORKSHOP

10.10.25 | ESPLORA PLANETARIUM HALL,  
VILLA BIGHI, KALKARA

09:30 – 10:00

**Introduction and high level overview**

10:00 – 12:00

**1. Examples of EO derived information:**

- i. Agriculture and Natural Resources Management (crop mapping, crop health, soil status, forest status, fisheries surveillance)
- ii. Transport & infrastructure (port operations management, road infrastructure integrity monitoring, vessel tracking and behaviour monitoring, obstacle detection in airport approaches, undersea fibre-optic cable integrity)
- iii. Environmental management (habitat status and health, pollution detection and tracking, land degradation management, biodiversity preservation)
- iv. Energy (renewable energy production management, oil & gas production management, oil & gas transport infrastructure management)
- v. Water management (inland water extent, water quality, aquifer status)
- vi. Urban management (building management, urban heat island/urban green spaces, air quality, waste management, cultural heritage management)
- vii. Natural hazards and civil protection (forest fires, floods, drought, landslides, storm)
- viii. Law enforcement and security (environmental crime, border security, crimes against humanity, proliferation, trafficking, embargo enforcement)

**2. Combining Satellite EO and other data (transponders, RFID, IoT sensor networks, OSINT, HAPS, socio-demographic data, economic data, etc)**

**3. Digital Twins and Predictive Analytics**

- i. Climate and extreme event prediction (earth system digital twins)
- ii. Urban digital twins
- iii. Using AI to predict responses to climate change

**4. On-going developments – new systems, new processing methods, new paradigms**

**5. Conclusions/Take-home messages**

12:00 – 13:00

**Refreshments**