

# COMPOLA 2026 International Conference

*Combustion, Atmospheric Pollution, Climate and Sustainable Energy*

**Location:** Dakhla

**Dates:** October 12–15, 2026

## **Conference Objectives**

The COMPOLA conference aims to bring together the scientific, institutional, and industrial communities

around topics related to:

- combustion and atmospheric emissions
- air pollution and its health impacts
- climate change
- renewable energy and energy transition

## **Preliminary Program**

### ***Day 0 – Participants Welcome***

- Arrival and welcome of participants
- Registration

### ***Day 1 – Atmospheric Pollution, Combustion and Climate***

#### ***Session 1 – Opening and Global Challenges (Plenary lectures)***

- Opening ceremony
- Presentation of the conference and its objectives

#### ***Session 2 – Combustion and Atmospheric Emissions***

Possible topics:

- Combustion processes
- Gaseous and particulate emissions
- Stationary and mobile sources
- Transport, industry, agriculture

Oral presentations

#### ***Session 3 – Measurements, Instrumentation and Observation***

Possible topics:

- In situ and laboratory measurement techniques
- Sensors, instruments and observation platforms
- Air quality monitoring networks
- Intercomparison and calibration

Scientific presentations and demonstrations (if applicable)

Lunch break

#### ***Session 4 – Atmospheric Chemistry and Physico-Chemical Processes***

Possible topics:

- Aerosols
- Volatile Organic Compounds (VOCs)
- Particles / Dust

Oral presentations

#### ***Session 5 – Poster Session***

- Poster presentations
- Scientific discussions
- Student short pitches (1 slide – 1 minute format)

Scientific dinner / networking

#### ***Day 2 – Climate, Impacts and Energy Transition***

#### ***Session 6 – Climate and Atmospheric Dynamics***

Possible topics:

- Climate variability
- Heatwaves
- Urban heat islands

Invited talks and oral presentations

#### ***Session 7 – Environmental and Health Impacts***

Possible topics:

- Health impacts of pollution
- Population vulnerability
- Epidemiological approaches
- Climate–health indicators

Oral presentations

Lunch break

***Session 8 – Renewable Energy and Air Quality***

Possible topics:

- Solar, wind, hydrogen, biomass energy
- Energy transition and decarbonization
- Atmospheric impacts of energy systems
- Energy–climate scenarios

Scientific presentations and feedback

***Session 9 – Modeling, Scenarios and Decision Support***

Possible topics:

- Atmospheric modeling
- Climate–air–energy models
- Public decision-support tools

Oral presentations

Scientific or cultural visit and official dinner

***Day 3 – Solutions, Public Policies and Perspectives***

***Session 10 – Mitigation and Adaptation***

Possible topics:

- Mitigation strategies
- Climate change adaptation
- Sustainable urban planning
- Resilient buildings and cities

Oral presentations

***Session 11 – Public Policies and Cooperation***

Possible topics:

- Environmental policies
- International programs
- Role of research in public decision-making

Round tables / discussions

***Session 12 – Conclusions and Perspectives***

- Scientific summary

- Research perspectives
- Announcement of the next COMPOLA edition
- Closing ceremony

***Day 4 – Cultural Visit of the City and Region***

- Cultural visit of the city and surrounding region