



# Federico Fierli, EUMETSAT



# Why this Workshop ?

**An unique dataset with existing and upcoming missions from EUMETSAT and Copernicus**



**From data to application(s)**

**Raise awareness on datasets, existing and emerging applications using existing and upcoming satellite datasets**

**Foster the engagement of existing and new users of atmospheric composition for applications and services**

**Start the User preparation and identify a series of needs and priorities**

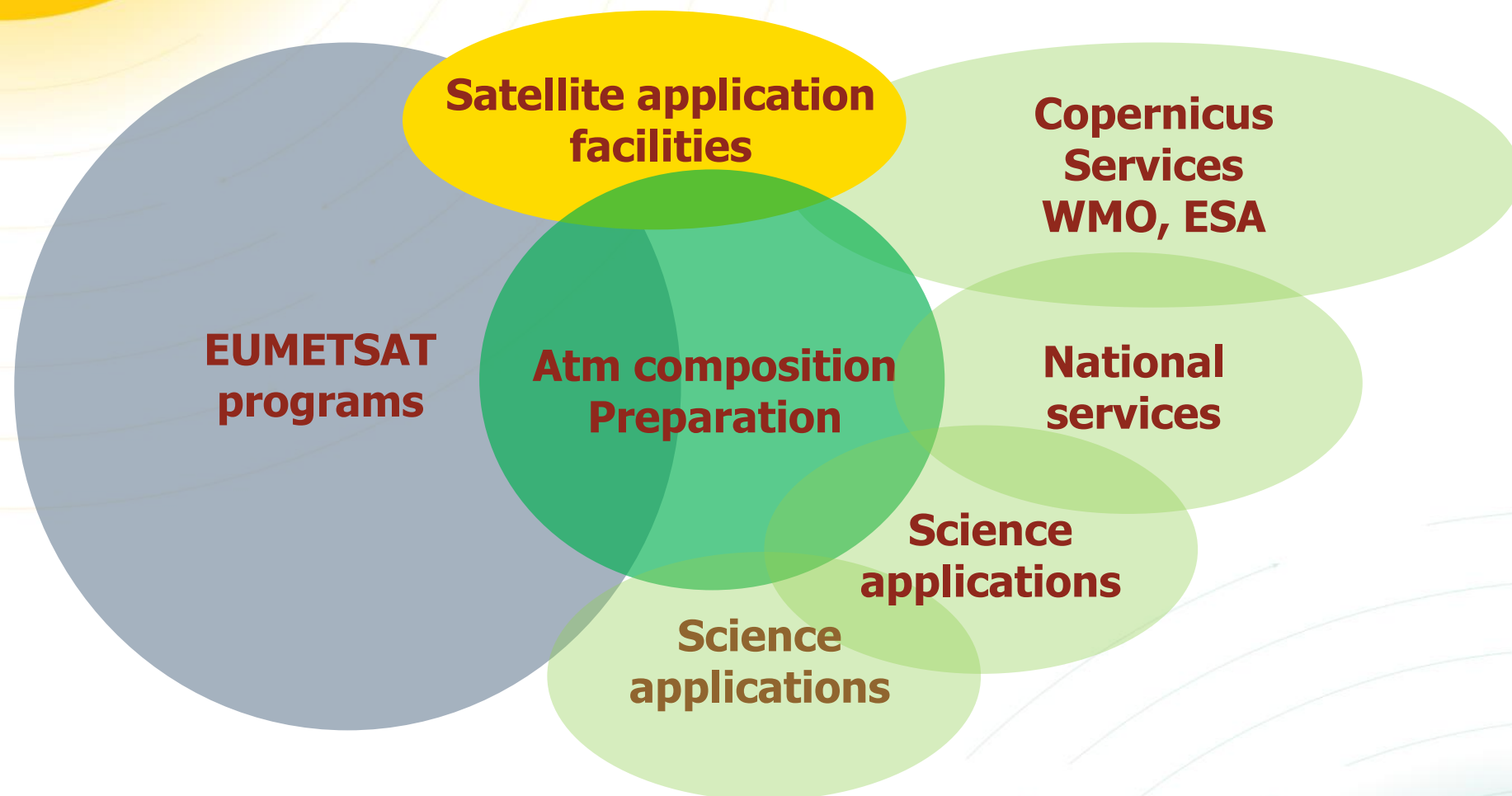
# Who are the Users ?

## From data to application(s)

- Environmental, Meteorological, Hydrological services, Advisory Centres
- Research International Regulation Protocol monitoring, University
- Business sector, value-adders
- Press, Large public, Citizens



# The preparation connects with programs / services

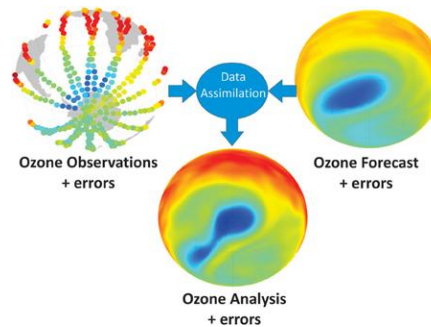
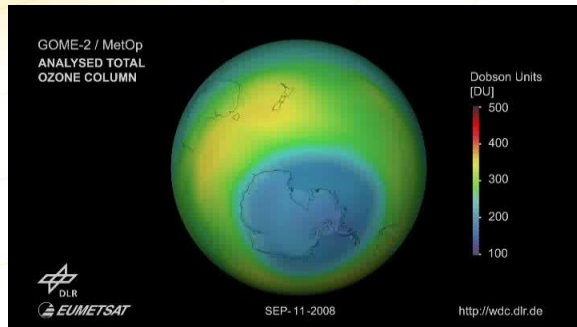


**Synergy with Meteosat Third Generation and EUMETSAT Polar Satellites  
Preparation → Broaden User Communities and uptake**



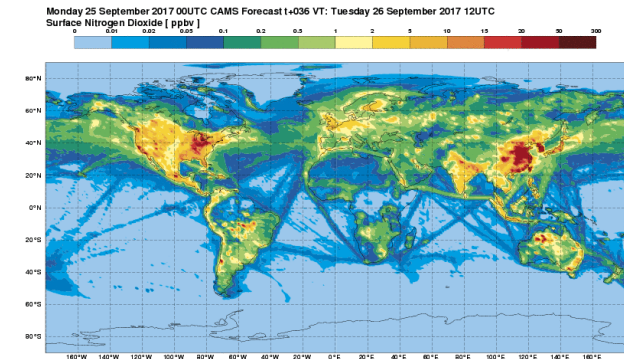
# What are the Main Application Areas?

## Composition-climate relationship Monitoring



## Data assimilation

## Air Quality Monitoring & Impacts



## Emissions Monitoring



## Natural Hazards Monitoring Fires Dust and Volcanic Ash

# Barriers and Preparation actions

## Barriers

- Awareness
- Context & Terminology
- Technical knowledge
- Fitness for Purpose
- Data Access, handling, volume
- Fitness for purpose

## Support Actions

- Understand User's needs
- Enable applications
- Provide Guidance
- Ensure Quality and usability

## Preparation elements

- Consultation with the new and existing users
- Awareness-raising and training
- Availability of test data, format and tools
- Access existing and upcoming operational missions
- Promote scientific data, EQC, Added value products