



World  
Meteorological  
Organization  
Weather · Climate · Water

# WMO Supporting User Readiness for New-Generation Satellites

Stephan Bojinski, Space Programme, World Meteorological Organization (WMO), Geneva, Switzerland

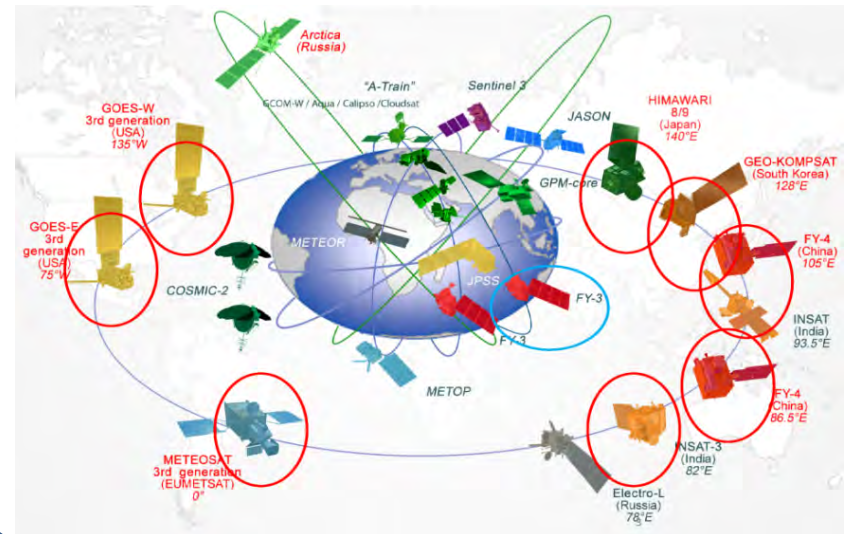
## PREPARING FOR THE NEXT GENERATION OF METEOROLOGICAL SATELLITES

- Satellite data are widely used by countries worldwide in support of weather, climate, water and related environmental applications

The 2015-2022 generation of meteorological satellites provides:

- Unprecedented **capabilities** for key meteorological applications such as NWP & nowcasting, as well as **challenges** for both satellite operators and users

## NEXT-GENERATION GEOSTATIONARY SATELLITES CONSTELLATION



On behalf of its 191 Member states, WMO supports user readiness and preparedness for new-generation satellite data worldwide in four areas:

## GUIDANCE MATERIAL

### WMO Guideline; Satellite operator best practice



The Coordination Group  
for Meteorological Satellites

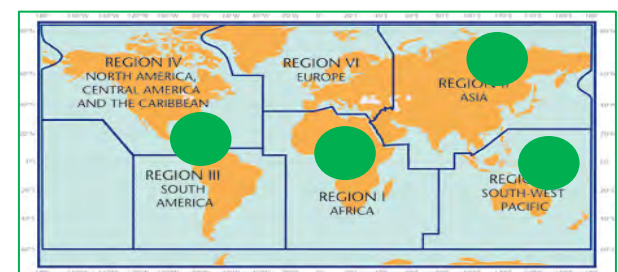
Reference User Readiness Project: Timeline

Activity	Start	End
Reference User Readiness Project: Timeline	2015	2022

- Recommended user readiness activities over 3-5 year period before launch ("Reference user readiness project")
- Deliverables by satellite agencies and operators to the user community

## WMO REGION-BASED COORDINATION GROUPS

- Capture user requirements for data.
- Identify training needs.
- Foster dialogue with satellite operators.
- Guide cap dev & infrastructure projects.



## ONLINE TOOLS

### Satellite User Readiness Portal (SATURN)

- One-stop information resource
- Maintained by satellite operators in CGMS on behalf of WMO



### OSCAR/Space

- Satellite & Instrument Database
- Resource maintained by WMO in support of EO studies and global satellite mission coordination
- Expert analysis tools; Gap analyses; >900 missions; >80 sat operators



OSCAR  
Observing Systems Capability Analysis  
and Review Tool

### Product Access Guide (PAG)

- Online satellite product collections of >10 provider organizations
- Following best practices for product documentation (ATBDs, ...)

## TRAINING ACTIVITIES

- Training events organized by Virtual Lab
  - Distance learning; Regional Focus Groups; in all WMO languages

