

User Support and Climate **Services** Division (USC)

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Training plan (2014-2018)

Priorities

Priority 1 - Member and Cooperating States ... and WMO RA VI

Priority 2 - Africa

Priority 3 - Other countries if council approves

Partnerships

Eumetcal, Eumetrain, WMO Virtual Lab GMES, GEOSS, CEOS, African CoE COMET, NOAA, INPE-CPTEC (Last course May 2015 in Brazil)



Training activities

- For operational personnel from weather services
- For hydrologists, climatologists, agro-meteorologists, trainers
- Focus on
 - web guides, webcasts
 - interactive modules
 - blended coursestraining.eumetsat.int





@umetcal and EUMeTrain

- http://www.eumetcal.org/
- EUMETCAL is the EUMETNET training project
- European Virtual Organisation for Meteorological Training with focus on courses

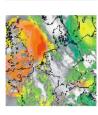
- http://eumetrain.org
- EUMeTrain is a project, similar to a SAF for training
- EUMeTrain produces training material and delivers training on satellite meteorology



Showcase



Recent Publications



Published: 7 April 2015

Product Tutorial on Total Precipitable Water Content Products

This product tutorial introduces the concept of total precipitable water and shows synoptic applications of TWP products.

More [+]



Published: 17 February 2015

Climatology of Snow Cover and Snow Water Equivalent

In this module you will learn how snow cover and snow water equivalent are determined by satellite instruments and how this data can be applied for regional climate studies.

More [+]

Published: 9 February 2015

Tutorial on SEVIRI Physical Retrieval

Upcoming Events!

Upcoming Monthly Weather Briefing

Register now!

Published: 05 May 2015

Convection Event Week - June 2015



From 8 to 12 June 2015, EUMeTrain organizes an event week on convection. During this week new remote sensing developments in the area of forecasting and/or analysing convective weather situations will be presented. Furthermore actual and/or past convective events will be analysed and discussed. Altogether this event week will give you an interesting insight into the world of convection – from the scientific and application-oriented point of view.

Registration is open!

Find out more [+]

Published: 09 April 2015

Training sessions – well-planned, active and effectively designed

20, 27 April & 7 May 2015 / online

Free and open access will be granted to a series of 45-minute online sessions focusing on planning and delivering training sessions.

> Monday 20 April -- 12:00 UTC: Planning training sessions, what information do you need?

(Ivan Smiljanic - EUMeTrain; Maja Kuna - EUMETSAT)

(register here)

> Monday 27 April -- 12:00 UTC: How do you make training sessions more active?

(Vesa Nietosvaara-EUMETSAT; Luciane Veeck - VLab) (register here)

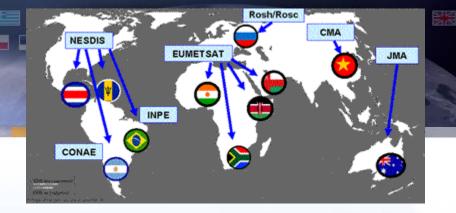
> Thursday 7 May -- 9:00 UTC: Creating effective presentations.

Eumetrain.org

- Image+NWP archive
- Synoptic displays
 - Event weeks
 - Tutorials
- Advice on training



WMO Virtual Laboratory



- CGMS recommends satellite meteorology training with this structure
- Centres of Excellence in Niamey, Nairobi, Pretoria, Sao Paulo and Muscat.
- Training events (blended courses) and regional focus group discussions over the internet
- RTC Russia- RSHU and CIMH Barbados are current co-chairs
- CALENDAR:

http://oislab.eumetsat.int/USDTT/webapps/public/listDetailed.jsp



Virtual laboratory (WMO)



01/12/2014

05/12/2014

Droughts, Floods and Landslides -

Event Week 2014

Online

MONITORING WEATHER AND CLIMATE FROM SPACE

▶ REGISTER/SIGN IN

▶ SEARCH

HOME IMAGES ABOUTUS SATELLITES DATA NEWS **QUICK LINKS** SIMPLE VIEW DETAILED VIEW LOGIN **EUMETSAT TRAINING CALENDAR** DATA **DATA DELIVERY** EUMETSAT TRAINING EVENTS. **PRODUCTS** This view allows users to search for past, ongoing and future events, and also shows more information about all these events. The search form allows filtering the events by any field. FILTER EVENTS REGIONAL DATA End: Criteria: land Search **GLOBAL DATA S** CLIMATE SERVI@5 items found, displaying 21 to 25.[First/Prev] 1, 2, 3 [Next/Last] METEOSAT DAT **SERVICES** Land SAF Satellite Products on Addis National EUMETSAT Classroom Advanced English By invitation Applications in Agro Meteorology USC, Other THIRD PARTY Ababa, Meteorological course Camacho 27/03/2015 Ethiopia Agency of Ethiopia TRAINING (NMA) TRAINING COL TRAINING LIBF RELATED TRA 19/11/2014 NASA - Applied Remote sensing IV North GEO Other RFG Open Angelica Spanish VIRTUAL LABO Training Program (ARSET) - 16:00 America discussion Gutierrez SERVICE STATU TECHNICAL DO **RSS FEED** Training Bulle

EUMeTrain

Resource Center (ESRC), which is a searchable, database-driven web portal.

EUMeTrain

☐ TOO CAN TING OTHER TRAINING RESOURCES OF THE PCOMET WEDSITE OF VIA PERIVITORITIESTAL SALETITE

Event

EUMETSAT

Ivan

Smiljanic

Cooperation with WMO Agricultural

Yearly courses for **soil** applications and **fire** impact

Niamey (2012), Ghana, Ouagadougou, Addis Ababa (2015), Pretoria (2016)?

Focus on monitoring tools and techniques, software and work

practices

LSA SAF support

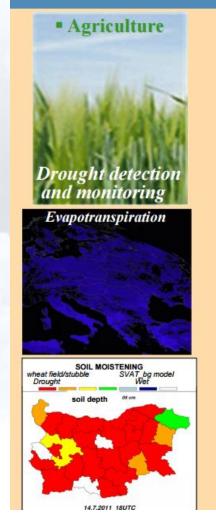
Extension to Europe possibly under LSA SAF **leadership**?

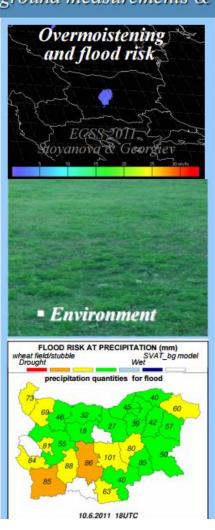


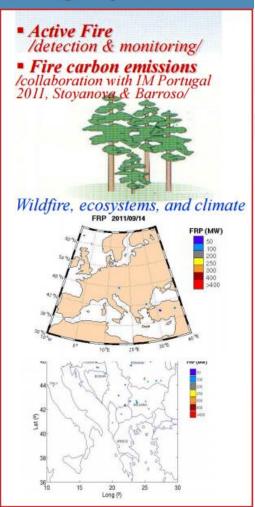
SALGEE: workshops on drought and fires

NIMH Applications: Monitoring Vegetation from Space

in combination with ground measurements & meteorological products





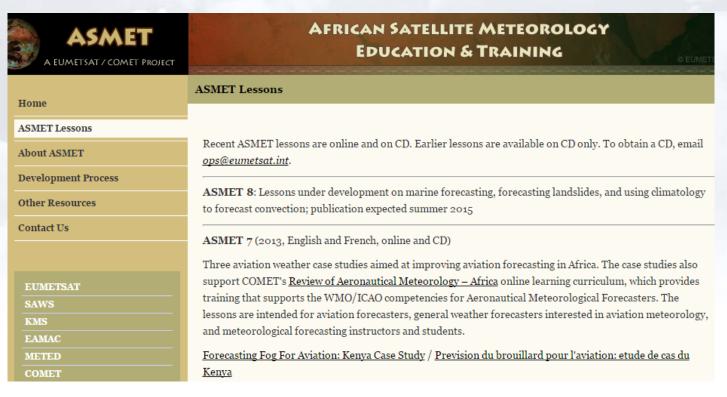


Next event in Matera (Italy)
1-3 September 2015
IV SALGEE training
workshop
(Julia.Stoyanova@meteo.bg)



Vegetation module

- Module on Vegetation monitoring foreseen
- Subject experts needed
- COMET expected to implement, as part of the ASMET series





Training module

Creation of a module

- "Agricultural applications of meteorological satellites"
- LSA SAF contribution required
- COMET in charge of module design and delivery
- Any contribution welcome



On-line sessions from LSA-SAF





Brazilian symposium of remote sensing (SBSR XVII, Joao Pessoa)





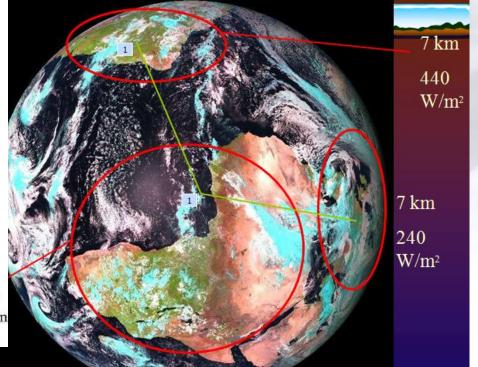
EUMETCast Americas



The Basque explorer Juan de la Cosa was employed as pilot and cartographer to Christopher Columbus, and around 1500 drew up the first map of the western hemisphere, in which the outlines of the Caribbean islands were clearly given.

SG 1.5 and LSA SAF products of the LSA SAF data

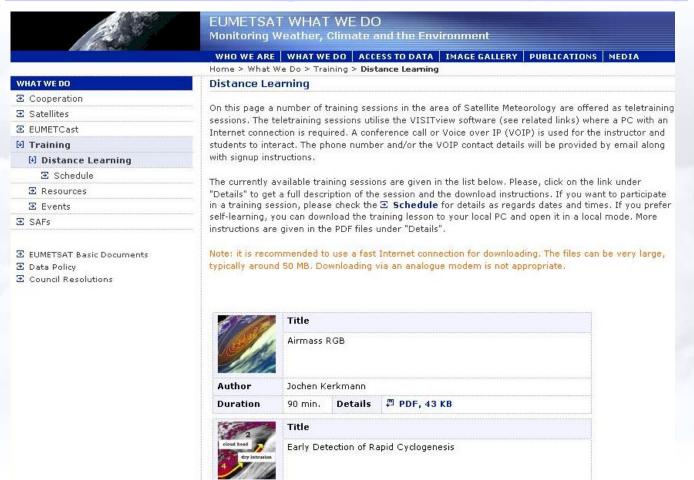
vice in 2016. What is the



 W/m^2

Training and self-training Pages

See the EUMETSAT Web Pages at: Home → What We do → Training





Blended courses. Example: SAC-French for Africa

Distance and classroom phases

- Covering a period of three months
- Based on communication tools
- Moodle: repository of materials, activities and discussions (forum, chat, quiz, glossary, exercise, documents)
- Centra Saba: on-line presentations

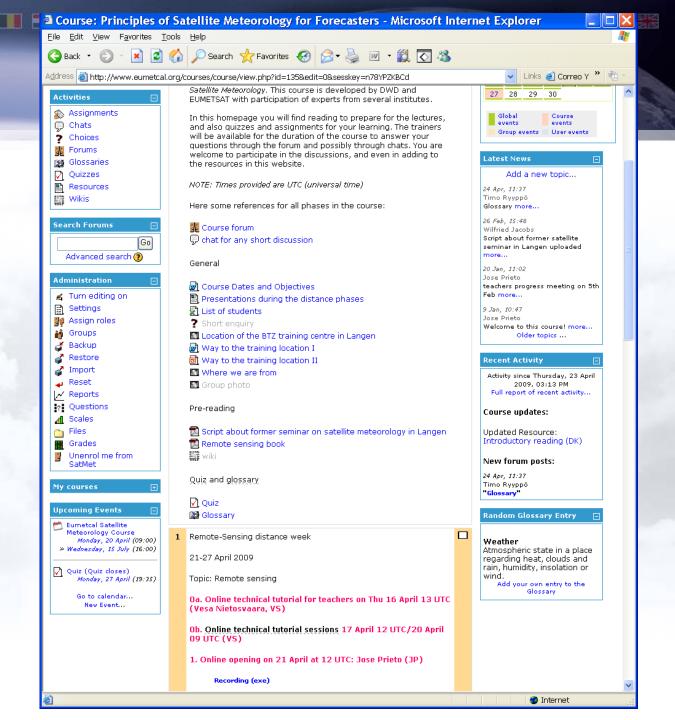




Blended courses

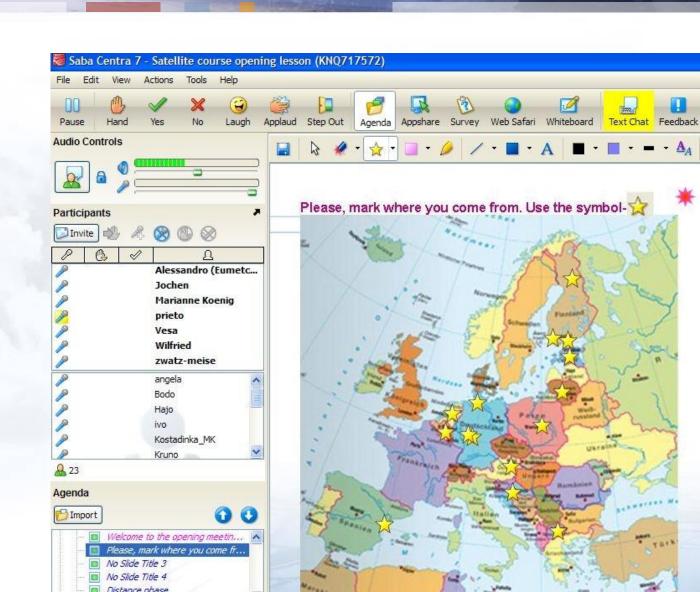
➤ Moodle web page for the 2015 Satellite Meteorology course

➤ Examples in training.eumetsat.int



Blended courses

- ➤ Centrameeting screen-shot
- ➤ Centra is the online session manager
- ➤ Participants click on their home towns



Our training offer

- Subscription of **blended courses**, open to all institutes. The online phase is a filter for the classroom phase
- Participation in topical weeks (fog, mediterranean, convection,..) with **distance** presentations by international experts
- **Eumetrain** subscription: http://eumetrain.org/ for meteorological briefings
- Invitation to contribute **cases** in your region to the web catalogue of meteorological applications



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Case analysis



REAL-TIME IMAGES

IMAGE LIBRARY

IMAGE GLOSSARY

FILTER BY



Our image library contains imagery and case studies of weather phenomena and environmental events observed by EUMETSAT's fleet of weather satellites.

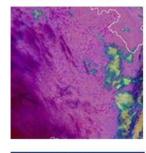
1058 RESULTS



EUROPEAN WEATHER APRIL 2015

30 April 2015

A movie of the weather over Europe during April 2015



TRADITIONAL BELTANE FIRES SEEN BY METOP

30 April 2015

Hotspots from balefires in parts of Europe could be seen on the Metop image from 30 April.



LARGE DUST CLOUD OVER PARTS OF ASIA

27 April 2015

Both EUMETSAT satellites and the Japanese Himawari satellite saw a large dust outbreak over part of Asia at the end of April.



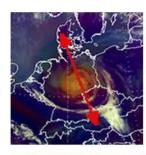
ERUPTION OF CALBUCO VOLCANO, CHILE

22 April 2015

Southern Chile's Calbuco volcano unexpectedly erupted for the first time in more than 40 years on 22 April, and then again early on 23 April.



SNOW-COVERED



COLD POOL MOVES



WAVE CLOUDS OVER



LARGE DUST CLOUD

TSAT

EUMETSAT USERS TWITTER

