GOBIERNO DE ESPAÑA
MINISTERIO DE AGRICULTURA, ALIMENTACIÓN Y MEDIO AMBIENTE
AEMet Agencia Estatal de Meteorología

Modules de formation en télédétection à distance – L'expérience de l'AEMET

Delia GUTIÉRREZ, dgutierrezr@aemet.es

Cours sur l'utilisation des produits satellitaires aux applications agro météorologiques.
5-9 Mai 2014. Ouagadougou (Burkina Faso)

GOBIERNO DE ESPAÑA
MINISTERIO DE AGRICULTURA, ALIMENTACIÓN Y MEDIO AMBIENTE
AEMet Agencia Estatal de Meteorología

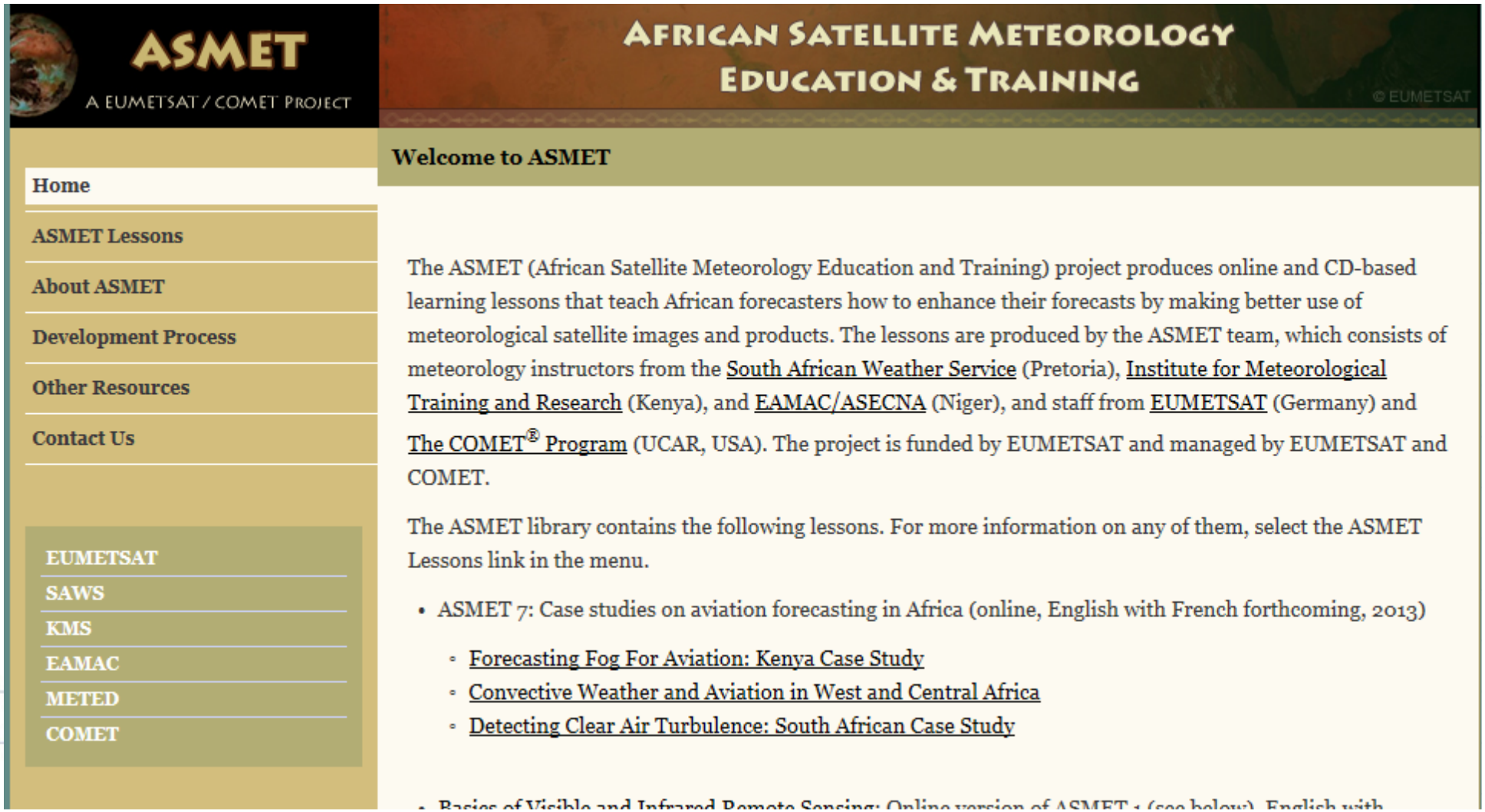
Plan:

1. **Révision des modules de formation à distance en télédétection disponibles sur internet.**
2. Experience de l'AEMET en formation à distance.
3. D'autres experiences d'AEMET. Nouveaux réssources web pour faciliter et recueillir des informations.
4. Conclusions et commentaires.

GOBIERNO DE ESPAÑA
MINISTERIO DE AGRICULTURA, ALIMENTACIÓN Y MEDIO AMBIENTE
AEMet Agencia Estatal de Meteorología

ASMET: African Satellite Meteorology Education &Training (EUMETSAT & COMET)

https://www.meted.ucar.edu/communities/asmet/



GOBIERNO DE ESPAÑA · MINISTERIO DE AGRICULTURA, ALIMENTACIÓN Y MEDIO AMBIENTE · AEMet Agencia Estatal de Meteorología

ASMET: African Satellite Meteorology Education &Training

(EUMETSAT & COMET)

https://www.meted.ucar.edu/training_module.php?id=1038#.U1lbrfl_upM

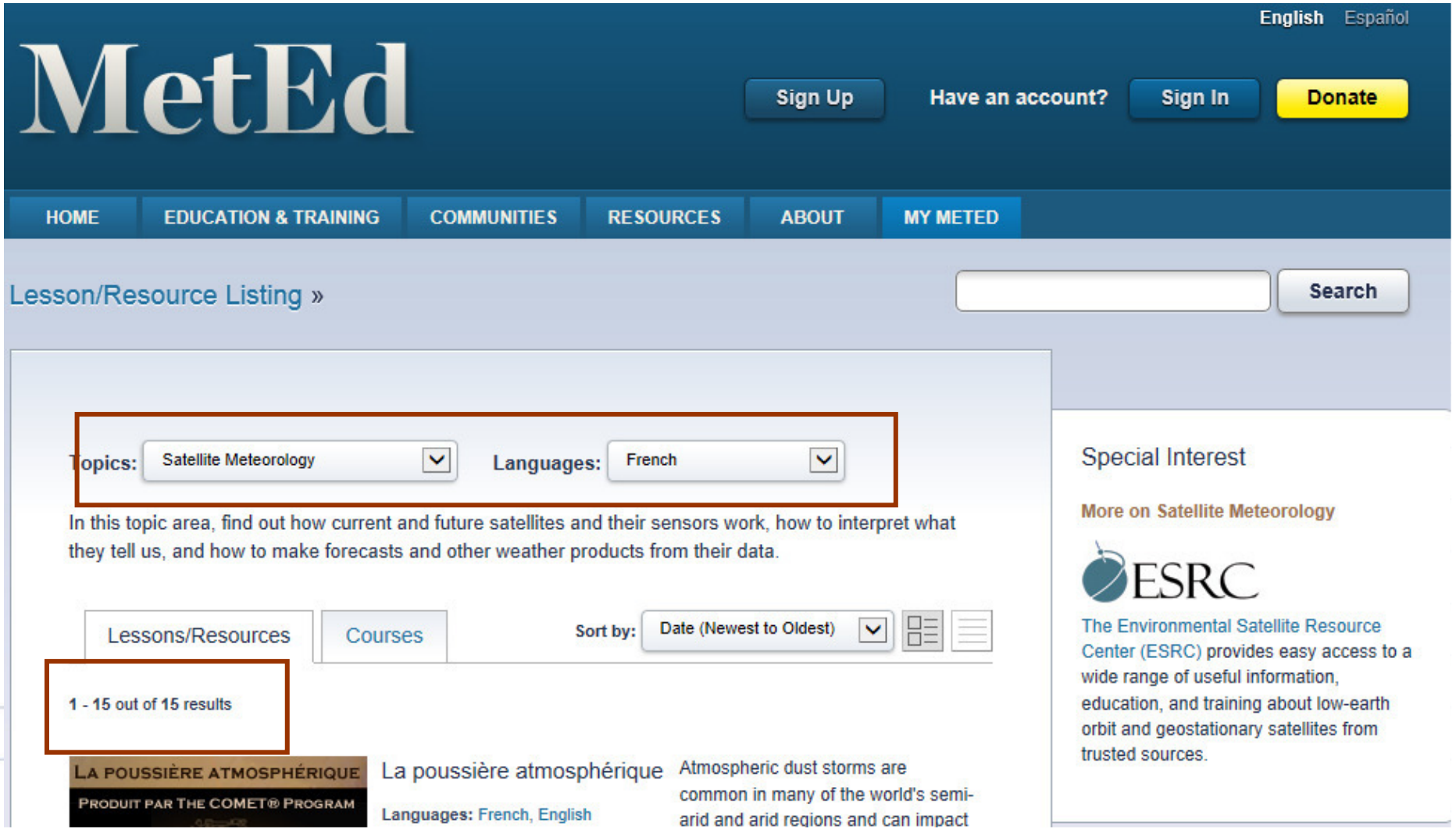
(il faut s'inscrire à MetEd)

GOBIERNO DE ESPAÑA · MINISTERIO DE AGRICULTURA, ALIMENTACIÓN Y MEDIO AMBIENTE · AEMet Agencia Estatal de Meteorología

MetEd: Teaching and Training Resources for the Geoscience Community

(The University Corporation for Atmospheric Research, UCAR)

https://www.meted.ucar.edu/



GOBIERNO DE ESPAÑA · MINISTERIO DE AGRICULTURA, ALIMENTACIÓN Y MEDIO AMBIENTE · AEMet Agencia Estatal de Meteorología

MetEd: Teaching and Training Resources for the Geoscience Community

(The University Corporation for Atmospheric Research, UCAR)

https://www.meted.ucar.edu/training_module.php?id=511#.U1lfxvl_upM

L'élaboration de produits météorologique à partir de données satellitaires

Languages: English, Spanish, French
Publish Date: 2009-01-26
Skill Level: 1
Completion Time: .75 - 1 h
Includes Audio: no
Required Plugins: Flash
Topics:
Satellite Meteorology

Reviews:
(0 reviews)
Read or add reviews

BEGIN LESSON

Add to Queue Your Queue»

Take the quiz?
Begin Quiz

Share this resource: 0

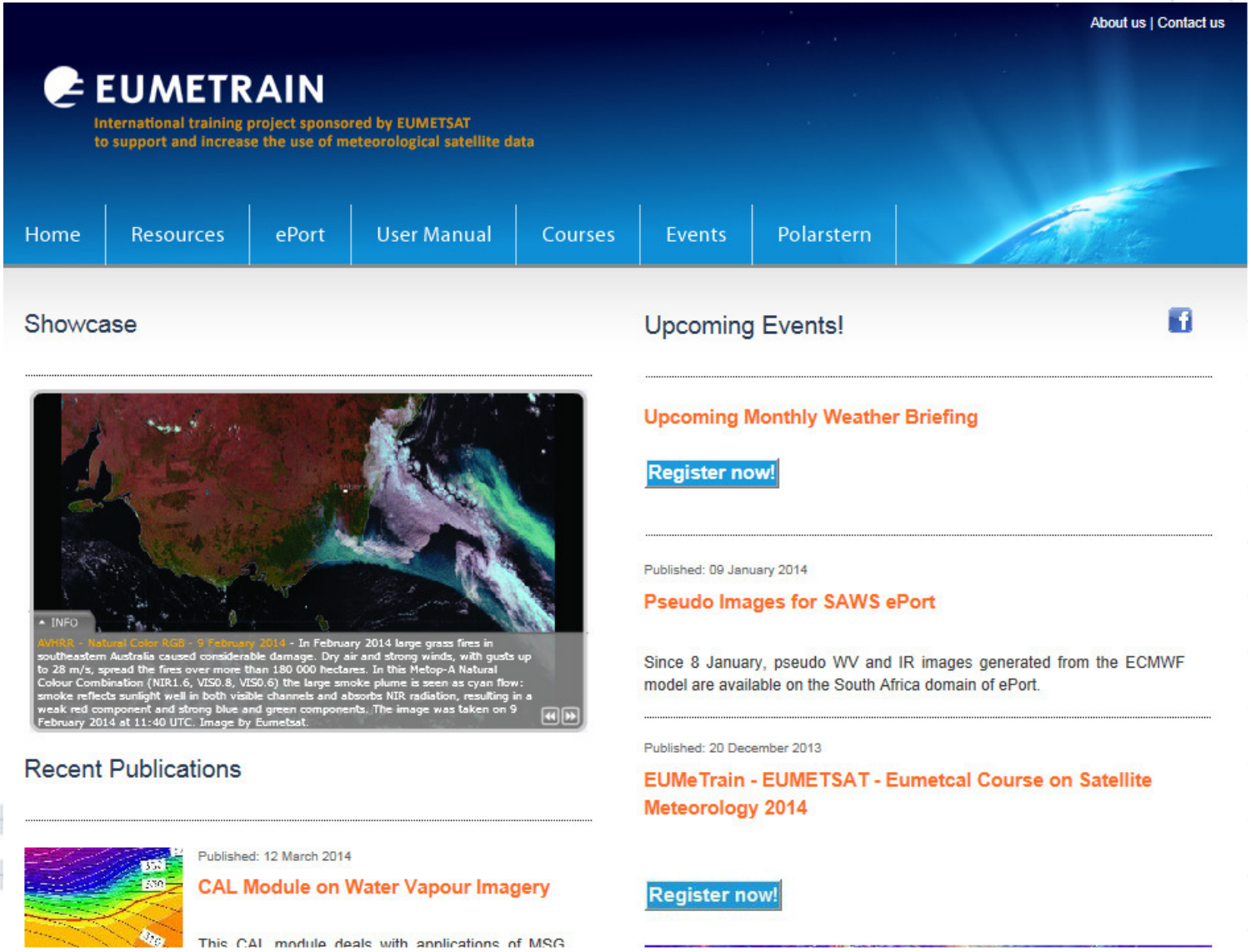
Description | Objectives | Keywords | Reviews

Ce document présente une vue générale de la façon dont les produits sont extraits à partir des données satellites. Il décrit le processus de création des produits image qui utilise des différence de canaux, des compositions RVB ainsi que d'autres techniques pour mettre en évidence certaines propriétés spécifiques ; des produits quantitatifs qui utilisent différentes sources de données et d'outils pour obtenir un seul paramètre quantifié ; et des produits avancés qui utilisent les milliers de canaux des instruments hyper spectraux pour obtenir une grande variété de paramètres. La discussion sur les produits quantitatifs prend l'exemple du masque de nuage de Météosat, qui indique pour chaque pixel de l'image satellite s'il est nuageux ou ciel clair. Bien que ces masques de nuages ne soient pas très utilisés opérationnellement, ils sont à la base de beaucoup d'autres produits.

GOBIERNO DE ESPAÑA
MINISTERIO DE AGRICULTURA, ALIMENTACIÓN Y MEDIO AMBIENTE
AEMet Agencia Estatal de Meteorología

EUMeTrain: Projet international de formation commandité par EUMETSAT

http://eumetrain.org/

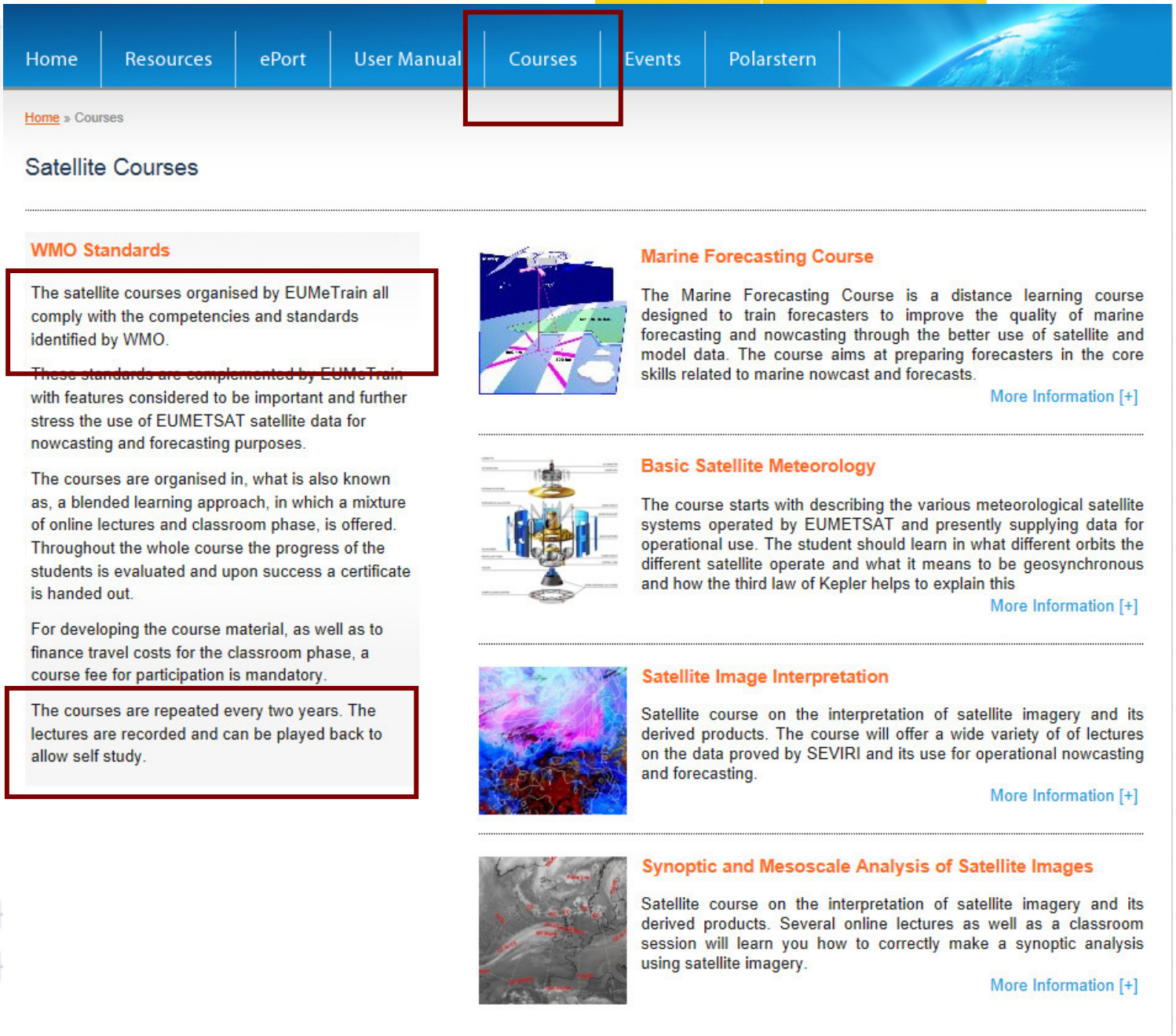


1- Révision des modules de formation à distance en télédétection disponibles sur internet.

GOBIERNO DE ESPAÑA
MINISTERIO DE AGRICULTURA, ALIMENTACIÓN Y MEDIO AMBIENTE
AEMet Agencia Estatal de Meteorología

EUMeTrain:
http://eumetrain.org/courses.html

(en anglais)



1- Révision des modules de formation à distance en télédétection disponibles sur internet.

GOBIERNO DE ESPAÑA | MINISTERIO DE AGRICULTURA, ALIMENTACIÓN Y MEDIO AMBIENTE | AEMet Agencia Estatal de Meteorología

EUMeTrain:

http://www.eumetrain.org/events/nwcsaf_2013.html

(en anglais)

EUMETRAIN

International training project sponsored by EUMETSAT to support and increase the use of meteorological satellite data

Home | Resources | ePort | User Manual | Courses | Events | Polarstern

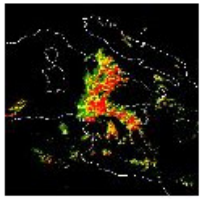
Home » Events » NWCSAF Event Week 2013

NoWCasting SAF - Event Week 2013

The EUMETSAT Network of Satellite Application Facilities

NWC SAF
Support to Nowcasting and Very Short Range Forecasting

EUMeTrain organised an event week on products of the NWC-SAF from 18th to 21st November 2013. There were 8 sessions starting on Monday morning. The presentations comprised nowcasting products based on MSG and PPS satellites like cloud products, precipitation and wind products. Each session consist of 2 parts; first an overview on the product from the developer side and the second part with some typical applications of the data from the users side.



Session 1: Introduction to NWCSAF

Introduction to the NWCSAF - Pilar Fernández, AEMET, Spain

The general objective of the NWC SAF is to provide operational services to ensure optimum use of Meteorological satellite data in Nowcasting and Very Short Range Forecasting. To achieve this goal, the NWC SAF is responsible for the development and maintenance of both satellite derived products and of appropriate SW Packages, as well as user support and related tasks.

This lecture intends to provide an overview of the NWC SAF project including objectives, consortium composition, phases, organization, services and products.

Recording Pilar Fernández

NWC SAF Operations - Ana Sánchez Piqué, AEMET, Spain

This lecture is intended to give a detailed overview of the NWCSAF User Services provided through the Helpdesk tool. The attendants will be shown the different services available for users and also the information available for non-users.

Some statistics about the Helpdesk use made by the users (Mail Box, SPR, etc..) will also be shown.

Recording Ana Sánchez Piqué

Session 2: GEO: Cloud Products and Applications

GOBIERNO DE ESPAÑA
MINISTERIO DE AGRICULTURA, ALIMENTACIÓN Y MEDIO AMBIENTE
AEMet Agencia Estatal de Meteorología

EUMeTrain **ePort**: http://eumetrain.org/eport.html

EUMETRAIN
International training project sponsored by EUMETSAT
to support and increase the use of meteorological satellite data

Home | Resources | ePort | User Manual | Courses | Events | Polarstern

Home » ePort

ePort

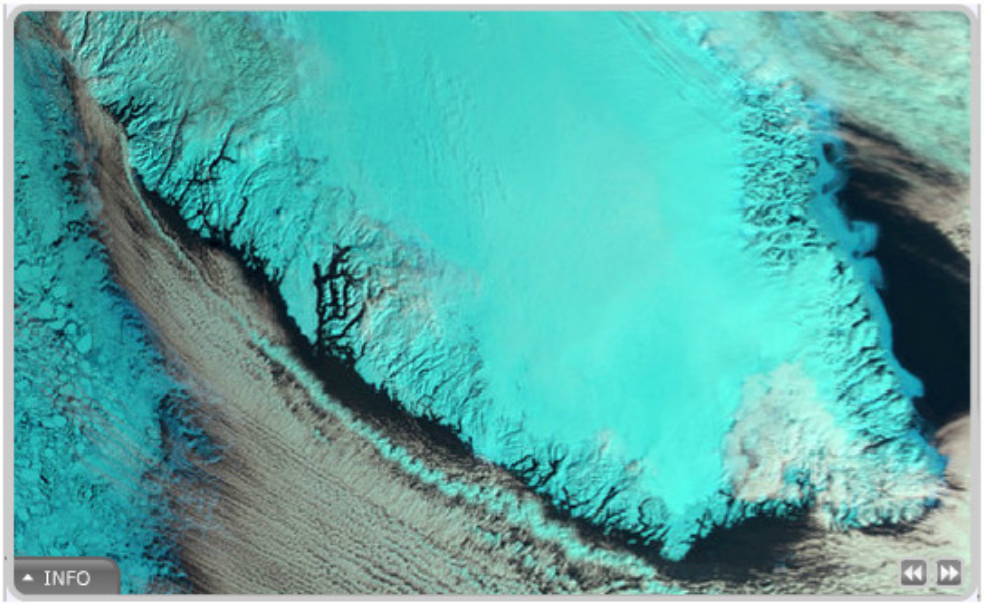
Concept of ePort

ePort is a product of EUMeTrain which is developed to allow you to combine a range of EUMETSAT satellite images with satellite derived products and numerical model fields.

At the moment ePort provides five panels allowing you a view from the Northpole all the way to the Southern hemisphere. On a monthly basis these images also serve as the basis for weather briefings in which the current state of the atmosphere is discussed.

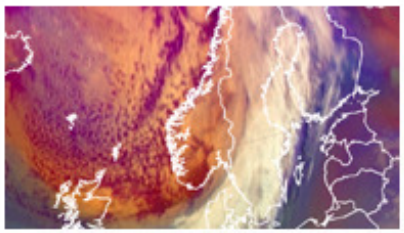
All images generated are automatically stored in an archive which makes it possible for you to do a qualitative research.

Showcase



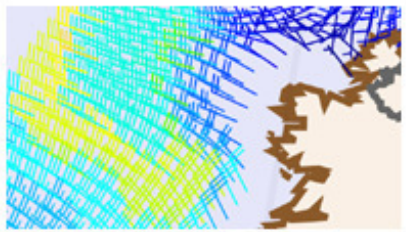
GOBIERNO DE ESPAÑA
MINISTERIO DE AGRICULTURA, ALIMENTACIÓN Y MEDIO AMBIENTE
AEMet Agencia Estatal de Meteorología

EUMeTrain **ePort**: http://eumetrain.org/eport.html



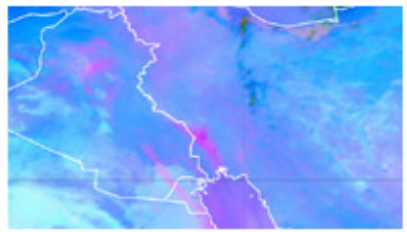
Europe

The satellite images and NWP product of the European panel are produced by ZAMG and FMI, respectively.



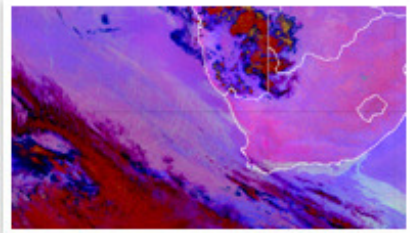
Polar

The images providing coverage over the North Pole will be made possible with kind contributions of ZAMG and FMI and KNMI.



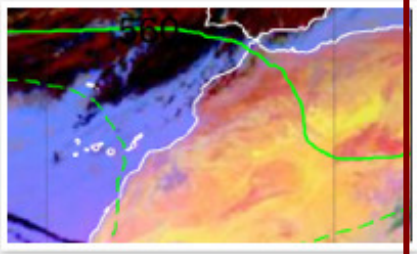
Middle-East

Satellite images and NWP products covering the Middle-East made possible with the contibution of TSMS.



South-Africa

Satellite images, products numerical fields covering southern Africa made possible with the contibution of SAWS.



Atlantic

The satellite images and NWP product of the Atlantic panel are produced by ZAMG and DWD, respectively.

1- Révision des modules de formation à distance en télédétection disponibles sur internet.

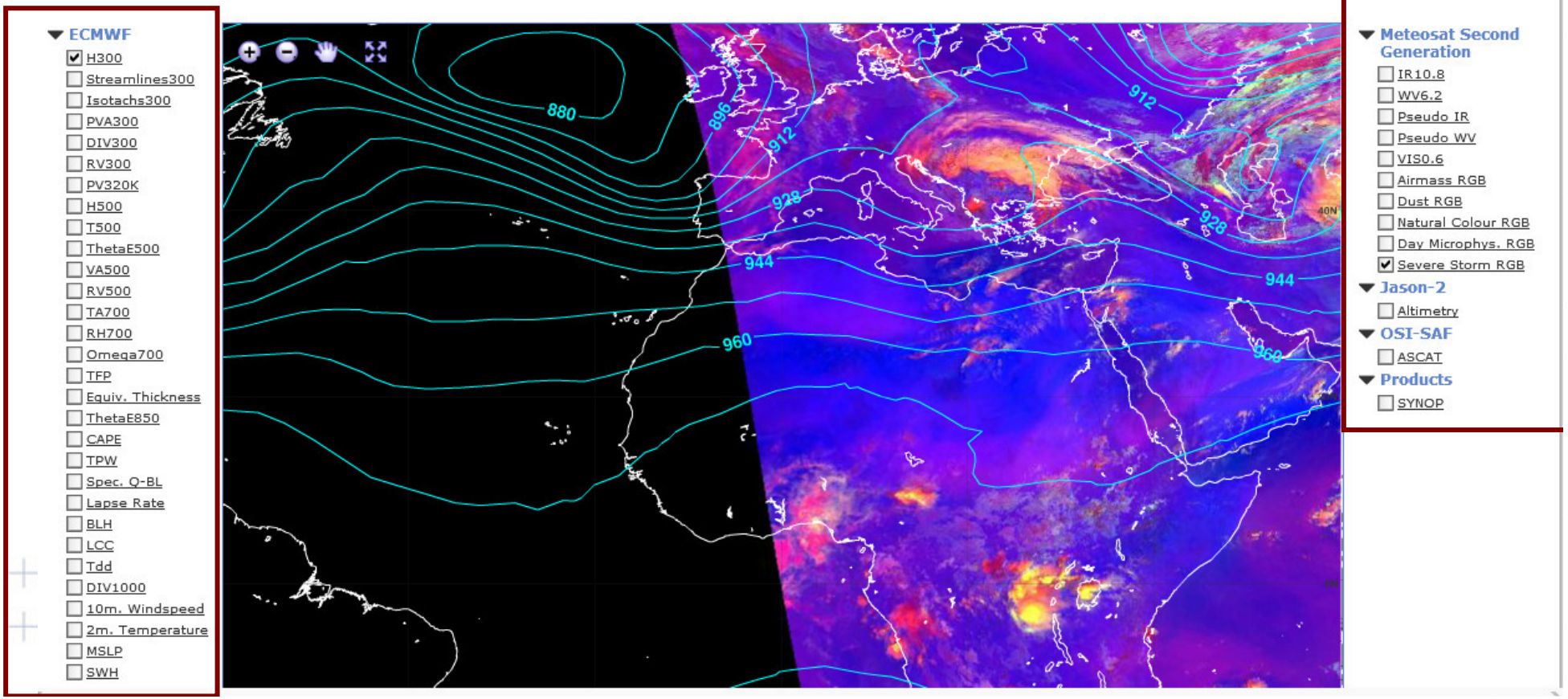
GOBIERNO DE ESPAÑA
MINISTERIO DE AGRICULTURA, ALIMENTACIÓN Y MEDIO AMBIENTE
AEMet Agencia Estatal de Meteorología

EUMETRAIN
International training project sponsored by EUMETSAT
to support and increase the use of meteorological satellite data

Home | Resources | ePort | User Manual | Courses | Events | Polarstern

Home » ePort » Atlantic - 24 April 2014 0600UTC

1200UTC | 1500UTC | 1800UTC | 2100UTC | 0000UTC | 0300UTC | 0600UTC | 0900UTC



1- Révision des modules de formation à distance en télédétection disponibles sur internet.

GOBIERNO DE ESPAÑA
MINISTERIO DE AGRICULTURA, ALIMENTACIÓN Y MEDIO AMBIENTE
AEMet Agencia Estatal de Meteorología

http://eumetrain.org/eport/archive_atlantic.html?width=1366&height=768

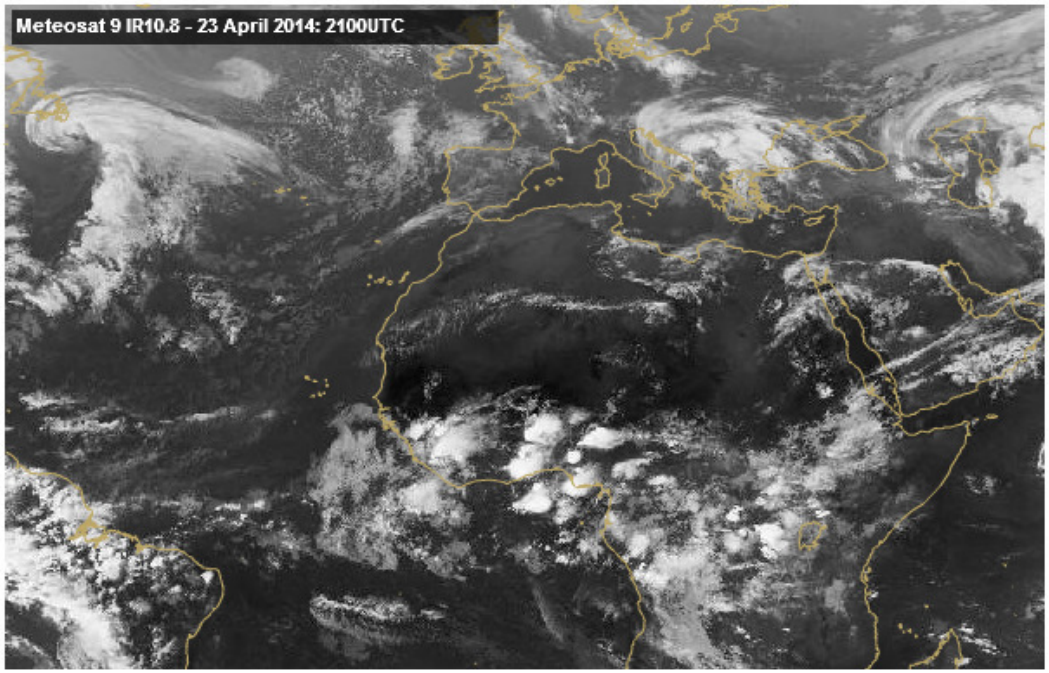
EUMETRAIN

International training project sponsored by EUMETSAT
to support and increase the use of meteorological satellite data

Home | Resources | ePort | User Manual | Courses | Events | Polarstern

Home » ePort » Archive: Atlantic

Archive: Atlantic



... Select a date

- 23 April 2014: 2100UTC
- 23 April 2014: 1800UTC
- 23 April 2014: 1500UTC
- 23 April 2014: 1200UTC
- 23 April 2014: 0900UTC
- 23 April 2014: 0600UTC
- 23 April 2014: 0300UTC
- 23 April 2014: 0000UTC
- 22 April 2014: 2100UTC
- 22 April 2014: 1800UTC
- 22 April 2014: 1500UTC
- 22 April 2014: 1200UTC
- 22 April 2014: 0900UTC
- 22 April 2014: 0600UTC
- 22 April 2014: 0300UTC
- 22 April 2014: 0000UTC
- 21 April 2014: 2100UTC
- 21 April 2014: 1800UTC
- 21 April 2014: 1500UTC
- 21 April 2014: 1200UTC
- 21 April 2014: 0900UTC
- 21 April 2014: 0600UTC
- 21 April 2014: 0300UTC
- 21 April 2014: 0000UTC

Eumetcal: The European Virtual Organisation for Meteorological Training

http://www.eumetcal.org/

(en anglais)

GOBIERNO DE ESPAÑA
MINISTERIO DE AGRICULTURA, ALIMENTACIÓN Y MEDIO AMBIENTE
AEMet Agencia Estatal de Meteorología

VISIT: Virtual Institute for Satellite Integration Training

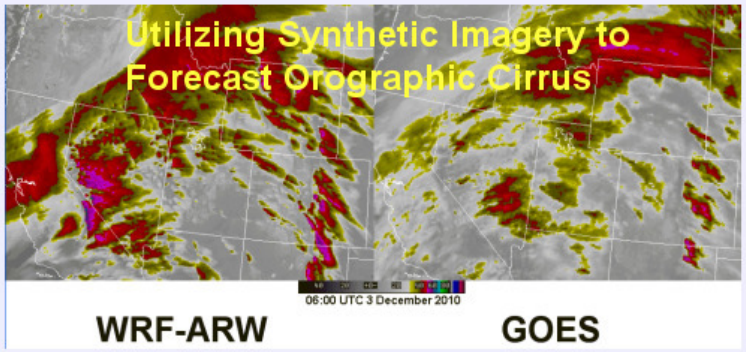
http://rammb.cira.colostate.edu/training/visit/

VISIT

Virtual Institute for Satellite Integration Training

VISIT Home

- VISIT Home
- Training Sessions
- Training Calendar
- Blog Sites
- VISIT Satellite Chat
- The VISIT Program
- VISIT Contributors
- VISIT FAQ
- Links / Tutorials
- RAMSDIS Online
- VISIT Training DVD



VISIT is a joint effort involving NOAA-NESDIS Cooperative Institutes, the National Environmental Satellite Data and Information Service (NESDIS), and the National Weather Service (NWS). The primary mission of VISIT is to accelerate the transfer of research results based on atmospheric remote sensing data into NWS operations using distance education techniques.

Teletraining Calendar, Signup and Installation

NEW What's New?

FDTB SHyMet CIRA RAMMB Regional and Mesoscale Meteorology Branch CIMSS WDTB COMET SPoRT

GOBIERNO DE ESPAÑA
MINISTERIO DE AGRICULTURA, ALIMENTACIÓN Y MEDIO AMBIENTE
AEMet Agencia Estatal de Meteorología

VISIT: Virtual Institute for Satellite Integration Training

http://rammb.cira.colostate.edu/training/visit/training_sessions/basic_satellite_imagery_interpretation_in_the_tropics/

VISIT

- VISIT Home
- Training Sessions
- Training Calendar
- Blog Sites
- VISIT Satellite Chat
- The VISIT Program
- VISIT Contributors
- VISIT FAQ
- Links / Tutorials
- RAMSDIS Online
- VISIT Training DVD

Basic Satellite Imagery Interpretation in the Tropics

Dan Bikos

Other contributors / reviewers: John Knaff, Hugh Cobb, Mark DeMaria, Arlene Laing, Ray Zehr

Introduction

This training session is based on the NESDIS workbook from the mid-1990s titled "Tropical Clouds and Cloud Systems Observed in Satellite Imagery" by Vernon Dvorak and Frank Smigielski. The motivation is to utilize the training concepts from the workbook but instead of using still black and white images, make use of color enhanced animated imagery.

Training Topics:

- Tropical cloud identifcation
- Easterly Waves
- ITCZ flare-up (moisture conveyor belt)
- Differential heating (i.e., sea-breeze, island effects)
- Mesoscale convective vortices
- Surge lines

Note: tropical cyclones will not be addressed during this training session, there are numerous other training sessions devoted to this important topic.

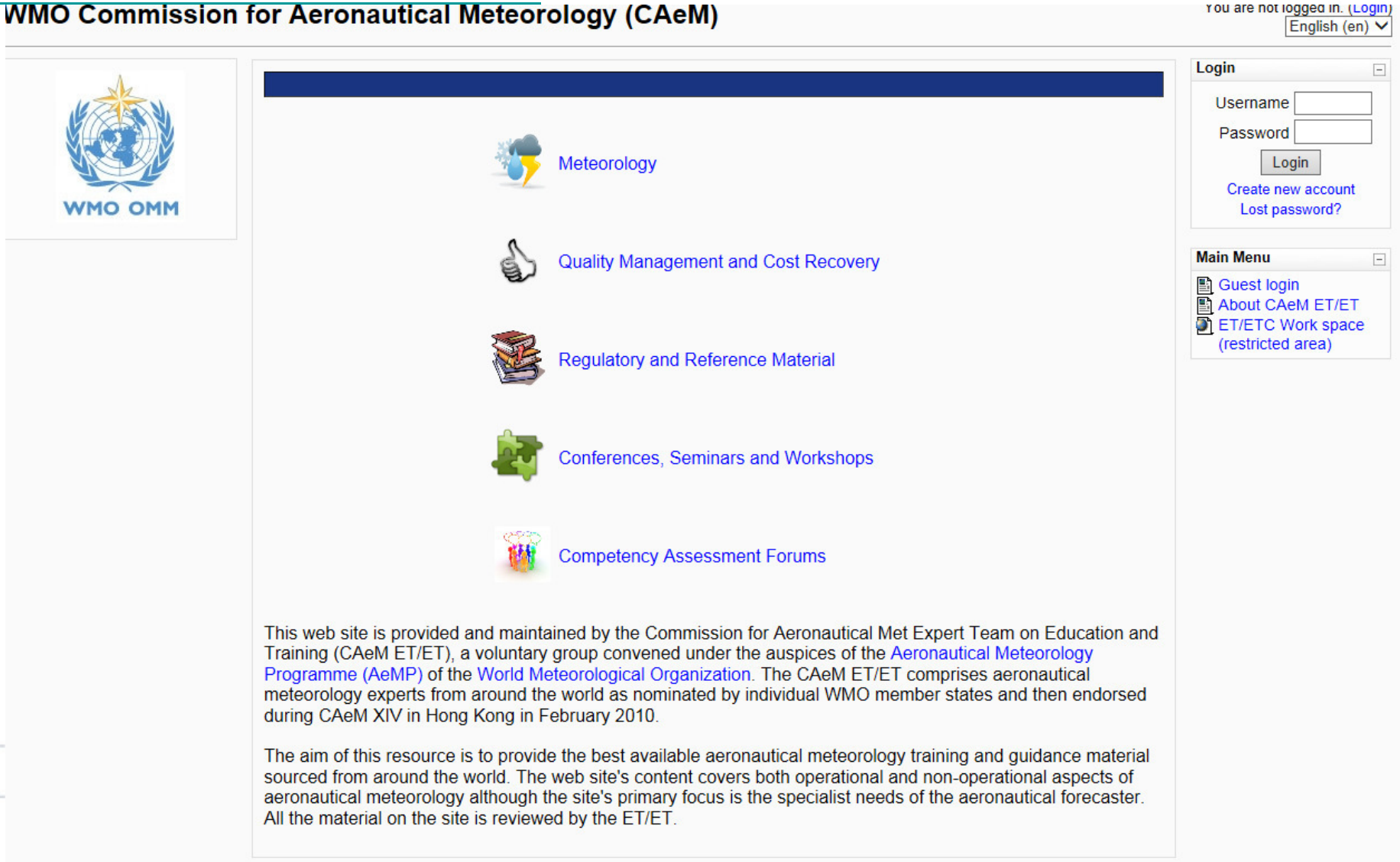
Prerequisites

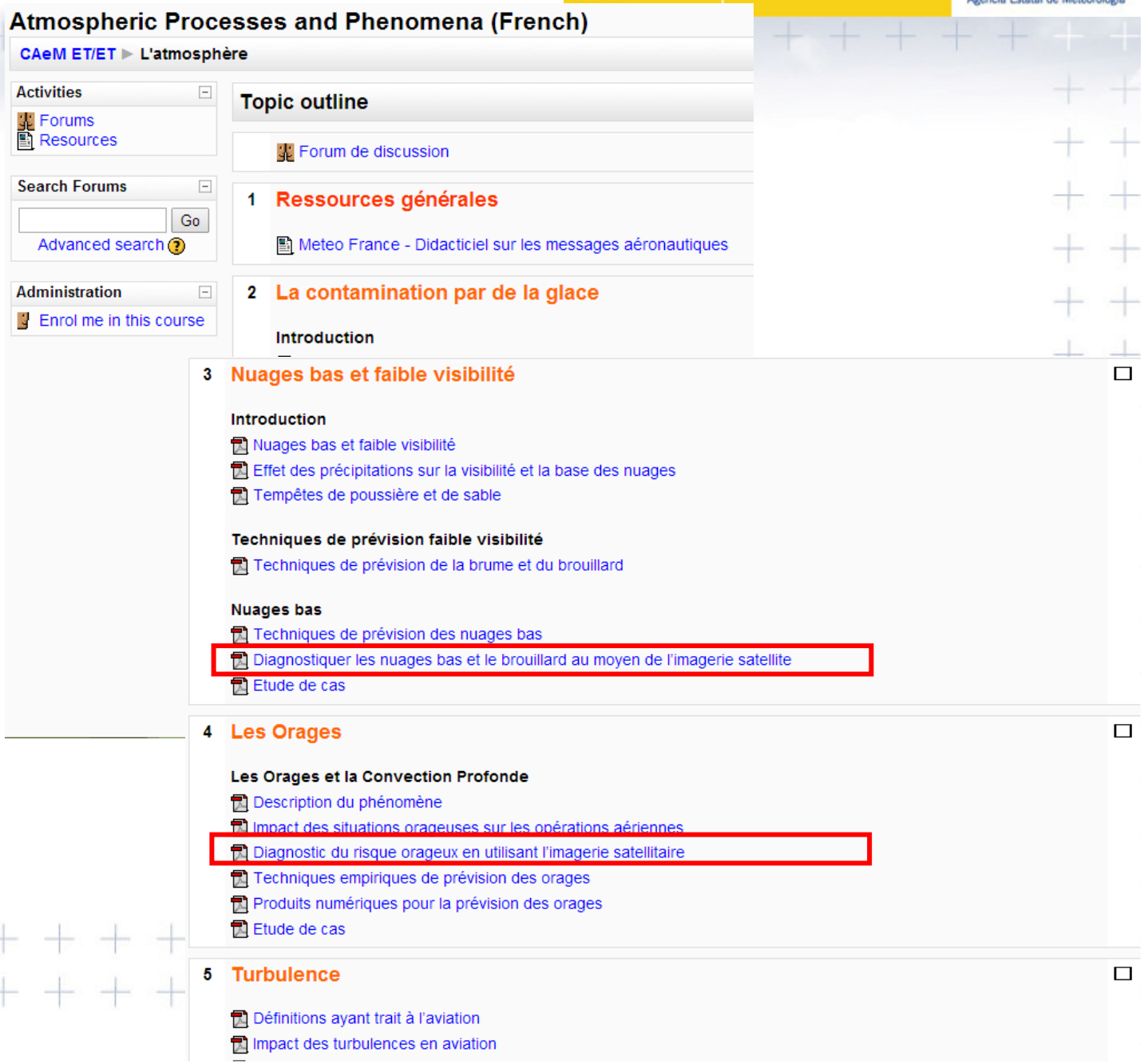
This is a basic course. There are no prerequisites.

GOBIERNO DE ESPAÑA
MINISTERIO DE AGRICULTURA, ALIMENTACIÓN Y MEDIO AMBIENTE
AEMet Agencia Estatal de Meteorología

CAeM: WMO Commission for Aeronautical Meteorology

http://www.caem.wmo.int/moodle/



CAeM: WMO Commission for Aeronautical Meteorology

http://www.caem.wmo.int/moodle/course/view.php?id=5