



# **CoE/VLAB Niger Report of Activities**

## **Period Sep 2012 - Dec 2013**

**VLMG – 7, St. Petersburg (Russia), 22 - 25 July 2014**

**HAMA Hamidou, ASECNA-EAMAC,  
Niamey - Niger**



# Outline

- ❑ EAMAC: A Brief Presentation
- ❑ Achievements of CoE Niger
- ❑ Challenges
- ❑ Future Plans
- ❑ Conclusion

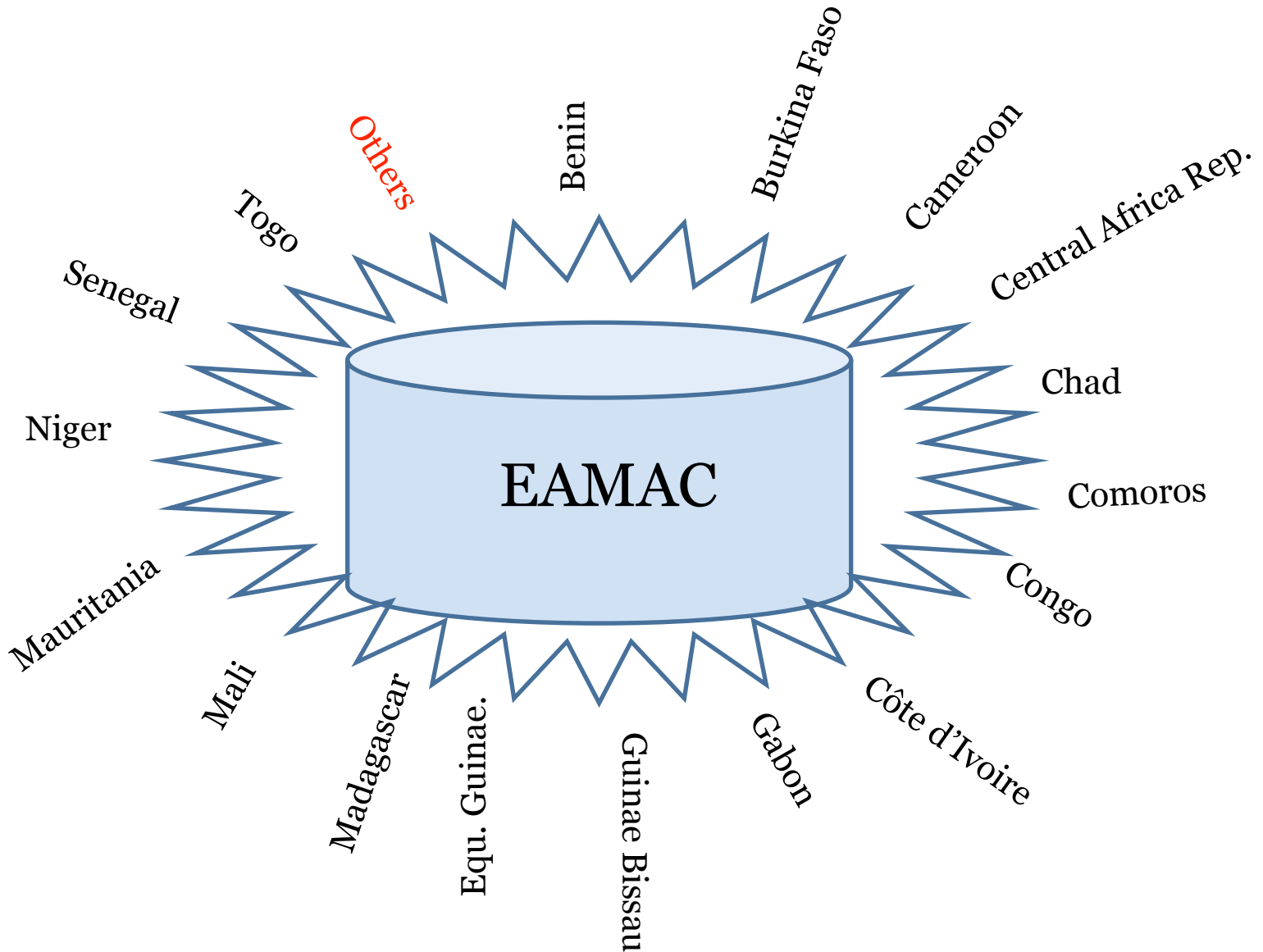
# EAMAC: A brief Presentation



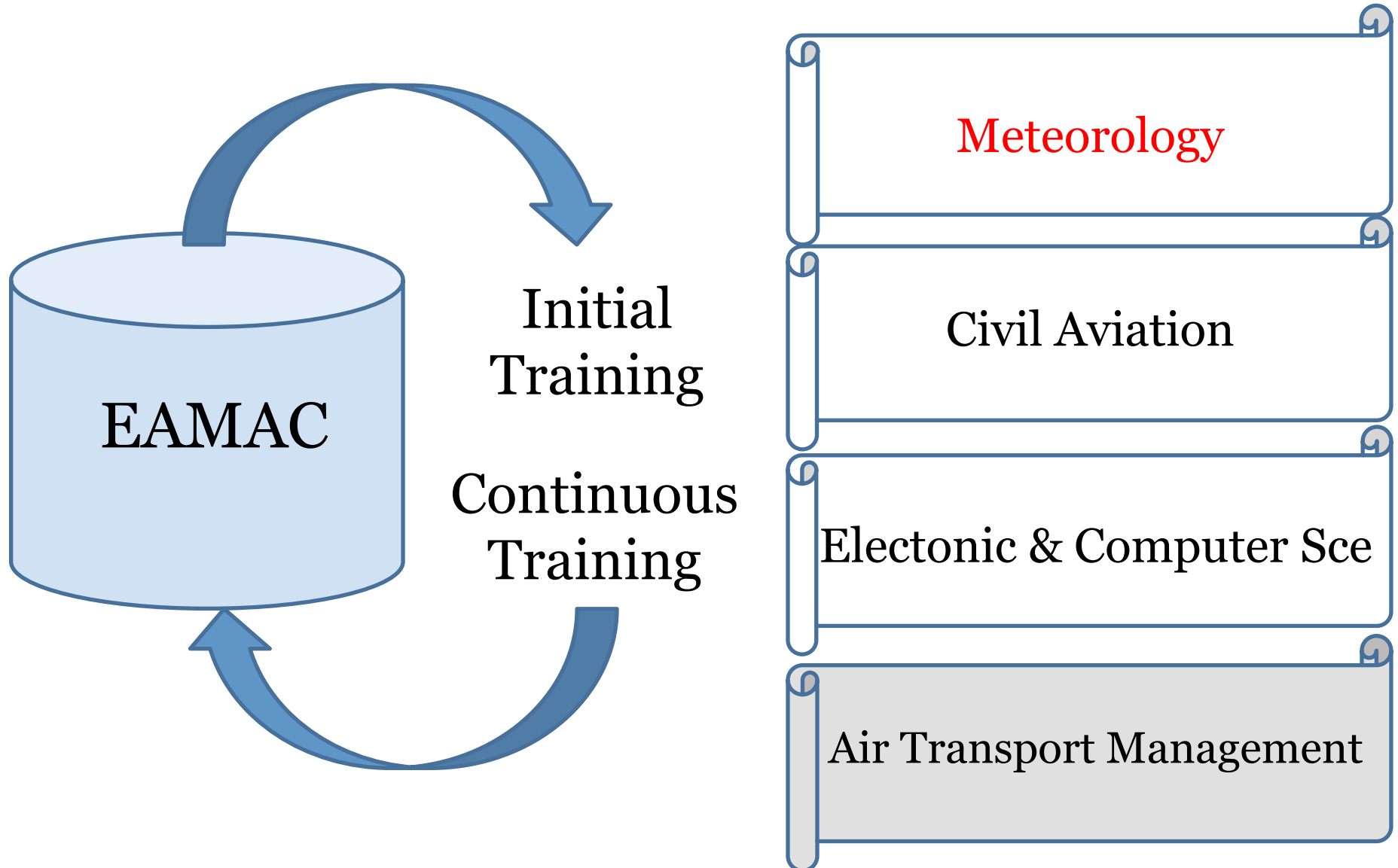
The African School of Meteorology and Civil Aviation (EAMAC) :

- ❑ Is a specialized school of the Agency for the Safety of Air Navigation in Africa and Madagascar (ASECNA)
- ❑ Was created in 1963 following a request of the Ministers in charge of Civil Aviation of ASECNA Member States to meet training demands and requirements of Members

# EAMAC: A brief Presentation



# EAMAC: A brief Presentation



TRAINING IN  
SATELLITE  
METEOROLOGY:  
SINCE 1996



# **Achievements of CoE Niger**

## **Sep 2012 - Dec 2013**

# EUMETSAT Satellite Application Course in (ESAC)

## ❑ ESAC-X-F

- ❖ 19 - 30 Novembre 2012
- ❖ 19 participants from 19 countries (Algeria, Burkina Faso, Burundi, Cameroon, Cape Verde, CAR, DRC, Congo, RCI, Gabon, Guinea-Bissau, Guinea-Conakry, Mali, Mauritania, Morocco, Niger, Rwanda, Senegal, & Tunisia).

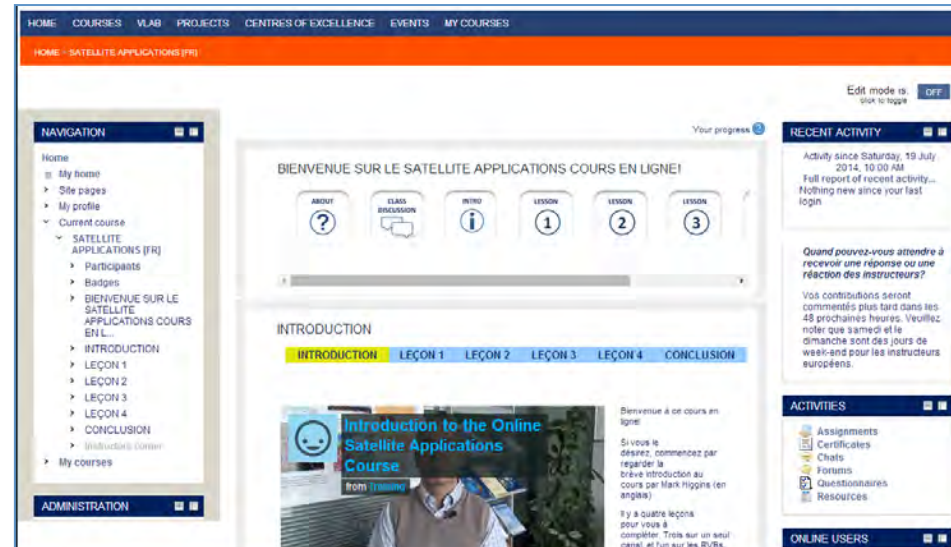




# EUMETSAT Satellite Application Course in (ESAC)

## ❑ ESAC-XI-F

- ❖ 7 - 31 October 2013: online phase, 17 participants from 15 countries: Algeria, Benin, Burkina Faso, Burundi, Cape Verde, Comoros, Côte d'Ivoire (2), Gabon, Guinea Bissau, Guinea Conakry, Mali, Mauritania (2), Rwanda, Togo, & Tunisia)
- ❖ 25 - 29 November 2013: face to face training, (15 participants from 13 countries)



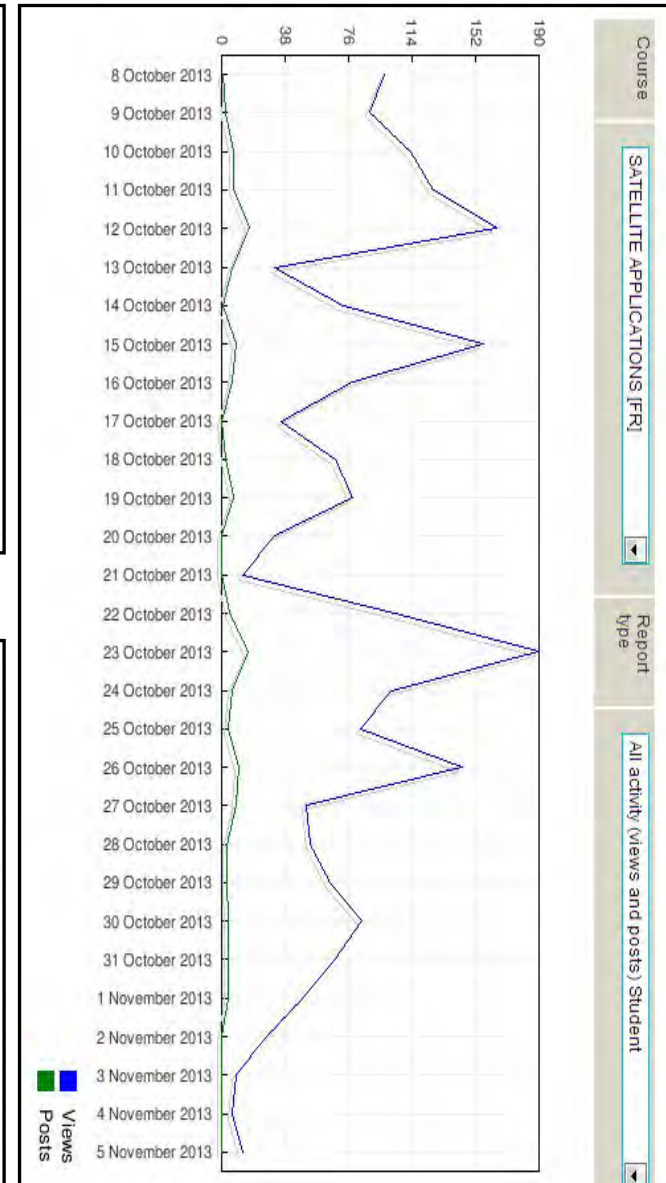
# EUMETSAT Satellite Application Course in (ESAC)

## ❑ Some Statistics from ESAC-XI-F online phase

| PERIOD ENDING (DAY) | VIEWS | POSTS | LOGS        |
|---------------------|-------|-------|-------------|
| 4 November 2013     | 13    | 0     | Course Logs |
| 3 November 2013     | 6     | 0     | Course Logs |
| 2 November 2013     | 9     | 0     | Course Logs |
| 1 November 2013     | 27    | 0     | Course Logs |
| 31 October 2013     | 48    | 4     | Course Logs |
| 30 October 2013     | 68    | 4     | Course Logs |
| 29 October 2013     | 84    | 4     | Course Logs |
| 28 October 2013     | 65    | 3     | Course Logs |
| 27 October 2013     | 53    | 3     | Course Logs |
| 26 October 2013     | 51    | 9     | Course Logs |
| 25 October 2013     | 144   | 10    | Course Logs |
| 24 October 2013     | 83    | 4     | Course Logs |
| 23 October 2013     | 101   | 6     | Course Logs |
| 22 October 2013     | 190   | 16    | Course Logs |
| 21 October 2013     | 104   | 5     | Course Logs |
| 20 October 2013     | 13    | 0     | Course Logs |
| 19 October 2013     | 32    | 0     | Course Logs |
| 18 October 2013     | 78    | 7     | Course Logs |
| 17 October 2013     | 68    | 2     | Course Logs |
| 16 October 2013     | 36    | 0     | Course Logs |
| 15 October 2013     | 78    | 6     | Course Logs |
| 14 October 2013     | 157   | 9     | Course Logs |
| 13 October 2013     | 73    | 1     | Course Logs |
| 12 October 2013     | 32    | 6     | Course Logs |
| 11 October 2013     | 165   | 17    | Course Logs |
| 10 October 2013     | 127   | 7     | Course Logs |
| 9 October 2013      | 113   | 7     | Course Logs |
| 8 October 2013      | 89    | 2     | Course Logs |
| 7 October 2013      | 97    | 1     | Course Logs |

## Course completion report (04/11/2013)

| CRITERIA GROUP               |                             | ACTIVITES                   |                         |                              |                          |                      |                              |                    |                           |                         |                     |                             |                 |  |  | COURSE |
|------------------------------|-----------------------------|-----------------------------|-------------------------|------------------------------|--------------------------|----------------------|------------------------------|--------------------|---------------------------|-------------------------|---------------------|-----------------------------|-----------------|--|--|--------|
| AGGREGATION METHOD           |                             | ALL                         |                         |                              |                          |                      |                              |                    |                           |                         |                     |                             |                 |  |  | ALL    |
| CRITERIA                     |                             | INTER-DE QUE VOUS VOULEZ... | ENTRÉE DE LA LUMIÈRE... | POURQUOI LES IMAGES SONT ... | TILISATION DES IMAGES... | USCRIPTION SÉLECTIVE | COMMENT VOUS POUVEZ CONTR... | SÉLECTION DU CANAL | SUPPOSER QUE VOUS ÊTES... | VB - MATRIEL COLLECTEUR | VB - POSSIBILITE EN | POSTER UN CAS EN COLLECT... | COURSE COMPLETE |  |  |        |
| NAME / SURNAME               | EMAIL ADDRESS               |                             |                         |                              |                          |                      |                              |                    |                           |                         |                     |                             |                 |  |  |        |
| Hakim ABANE                  | hakim73_a@yahoo.fr          |                             |                         |                              |                          |                      |                              |                    |                           |                         |                     |                             |                 |  |  |        |
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| houley diop                  | houleymalkidop@yahoo.fr     |                             |                         |                              |                          |                      |                              |                    |                           |                         |                     |                             |                 |  |  |        |
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| Ambrosina Evora              | djnevora@yahoo.es           |                             |                         |                              |                          |                      |                              |                    |                           |                         |                     |                             |                 |  |  |        |
| bechir fatma                 | leloubehchir@yahoo.fr       |                             |                         |                              |                          |                      |                              |                    |                           |                         |                     |                             |                 |  |  |        |
| Gazoa Alain GNAYORO          | zimako_c@yahoo.fr           |                             |                         |                              |                          |                      |                              |                    |                           |                         |                     |                             |                 |  |  |        |
| NSHIRIRIMANA Godefroid       | nschimigode@yahoo.fr        |                             |                         |                              |                          |                      |                              |                    |                           |                         |                     |                             |                 |  |  |        |
| Vidésse Valéry Arnaud HOUETO | vivaldo2@yahoo.fr           |                             |                         |                              |                          |                      |                              |                    |                           |                         |                     |                             |                 |  |  |        |
| Mohamed Habib JEBALI         | mohamedhabib007@yahoo.fr    |                             |                         |                              |                          |                      |                              |                    |                           |                         |                     |                             |                 |  |  |        |
| Feliciana Mendonca           | mendonca_feliciana@yahoo.fr |                             |                         |                              |                          |                      |                              |                    |                           |                         |                     |                             |                 |  |  |        |
| Jeanne d'Arc Murekatete      | murekjaanne@yahoo.fr        |                             |                         |                              |                          |                      |                              |                    |                           |                         |                     |                             |                 |  |  |        |
| Ndzeng Okoue                 | nkoumedoum@yahoo.fr         |                             |                         |                              |                          |                      |                              |                    |                           |                         |                     |                             |                 |  |  |        |
| Moussa Touré                 | mostoure@aol.com            |                             |                         |                              |                          |                      |                              |                    |                           |                         |                     |                             |                 |  |  |        |





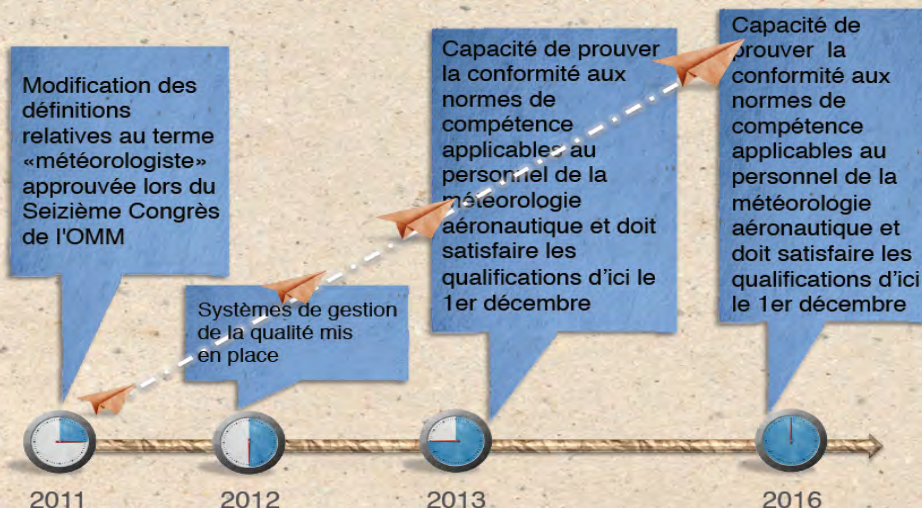
# Facilitation of Two Virtual Round Tables on Competence Requirements for Aeronautical Meteorological Personnel

## First session 15/05/13

- ❑ 26 Participants from 14 countries
- ❑ Brussels, Canada (2), Comoros (2), Cameroon (4), CAR, Congo (4), RCI, France, Madagascar, Mali, Mauritania, Morocco, Niger (5), Togo



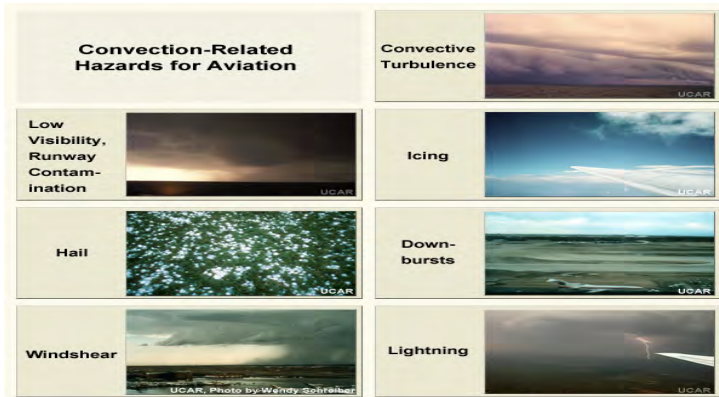
## Calendrier de mise en œuvre



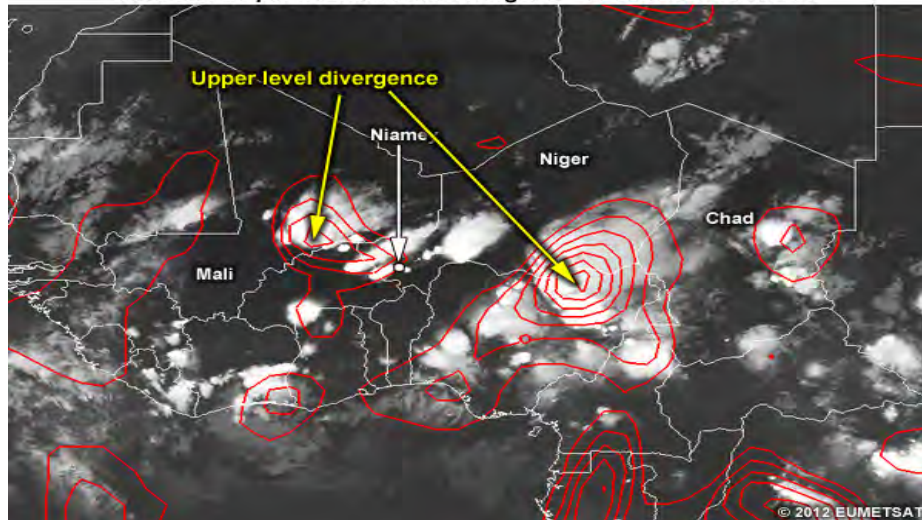
## Second session 26/09/13

- ❑ 22 Participants from 13 countries
- ❑ Brazil, Burkina Faso, Cameroon, Chad, Congo, RCI, Equ. Guinea, Madagascar, Mauritania (2), Morocco (2), Niger (4), Senegal (4), Togo (2)

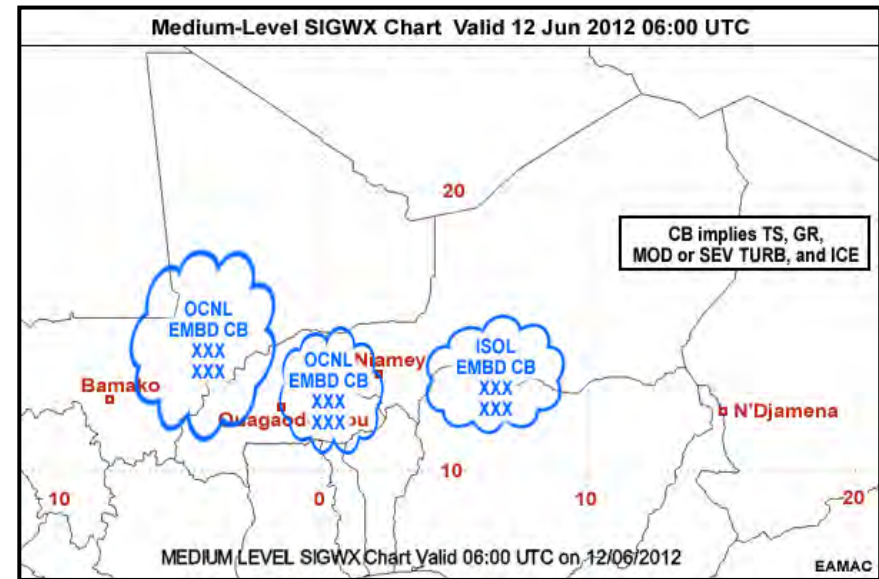
# ASMET 8 Module on Convective Weather & Aviation in West & Central Africa



MSG IR 10.8  $\mu\text{m}$  Overlaid With Divergence 11 Jun 2012 1945 UTC

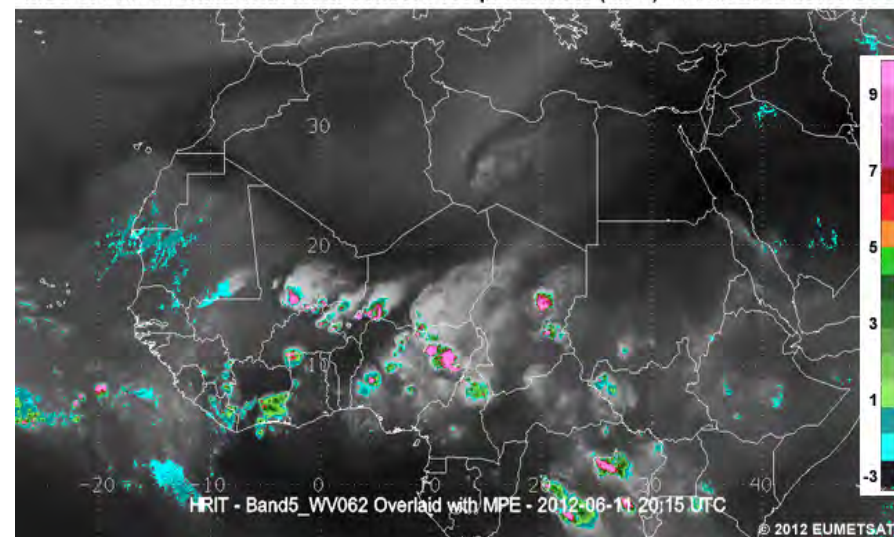


TAF AMD 112030Z 1118/1224 25006KT 6000 TS  
FEW033 FEW040CB FM112115 13018G35KT 1000  
TS BLDU SCT030 STC033CB BECMG 1201/1202  
3000 TSRA FM120500 10008KT 8000 NSC ...



METAR DRRN 112030Z 25006KT 6000 TS  
FEW033 FEW040CB BKN260 36/15 Q1008  
BECMG AT 2145 16020G35KT 1200 BLDU

MSG WV6.2 Overlaid With Multi-Sensor Precip. Estimate (MPE) 11 Jun 2012 20:15 UTC





## Other Achievements in Training

- ❑ *08 - 19 October 2012 : Interpretation and Use of Satellite Imagery and derived products in Weather Watch and Forecasting (17 Trainers from ASECNA Weather Watch Centers)*
- ❑ *09 - 20 September 2013: Training of Operational Administrators on the interpretation and Editing of Satellite Imagery and Products.*
- ❑ *07 - 25 October 2013: Interpretation and Operational Use of Satellite Imagery and derived products in routine meteorological forecasting and Nowcasting (17 forecasters from ASECNA Weather Watch Centers).*
- ❑ *User Manual on the Interpretation of MSG Imagery for various Weather Phenomena of Interest to RA-I (TS, DU, FG, VA, TC, FF)*

# Other Achievements in Training

## ❑ *Exchange of expertise between the CoEs of Niamey and Casablanca*

- ❖ *Workshop on “Advance Applications of Remote Sensing in Nowcasting and Marine Forecasting (Casablanca, 20 - 24 May 2013 )*
- ❖ *ESAC-XI-F (Niamey, 25 - 29 November 2013)*



# Challenges

The main challenges during the period of reference are:

- ❖ The is the poor Internet connexion
- ❖ Develop and organize more online content in and training in French (Aviation, Climate, etc.)
- ❖ Improve and make available all ESAC online training material in French for the forthcoming editions.

# Future Plans

- ❑ Improve Internet connexion by installing a VSAT (ongoing)
- ❑ Increase the number of online events to a frequency of at least one event per month by initiating weather briefings .
- ❑ Train system administrators on online management systems (e.g.: Moodle).
- ❑ Implement Moodle as an online training management System.



**Thank You**