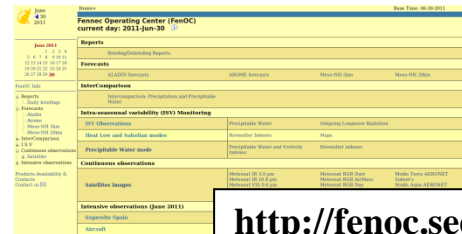


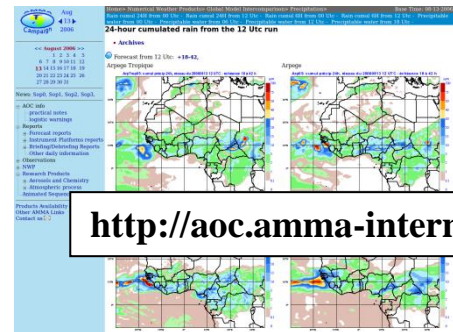
## More AMMA information system services

The AMMA information system includes **real time quick looks display websites**. They are designed to meet the intensive campaigns operational needs and provide the meteorological information to help planning the aircraft and field observations. Afterwards they can be used as a complete and synthetic tool for browsing through the campaign and the different situations. Please visit **SOP AMMA 2006** et **FENNEC 2011** websites. Do not hesitate to ask support for similar needs.

Contact: Laurence.Fleury@obs-mip.fr

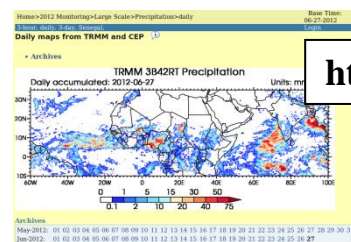


<http://fenoc.sedoo.fr>



<http://aoc.amma-international.org>

A similar website is dedicated to the needs of **MISVA - Monitoring of the IntraSeasonal Variability over Africa**. *In situ*, satellite and model products are provided daily by French and African scientists in order to understand and anticipate the monsoon season evolution. Please browse the website and contribute with new products. Contact: Jean-Philippe.Lafore@meteo.fr



<http://isv.sedoo.fr>



The database team also set up **work spaces and data sharing facilities** to several projects: ALMIP, AMMA-MIP, WAMME... Please ask support in case of similar needs.

Contact: Amma.Data-Support@ipsl.polytechnique.fr

The **bibliographic collaborative database** currently contains more than 1200 references. It gathers the knowledge gained about the African monsoon over the past 10 years with AMMA Program. Please visit, register and document your publications. Contact: amma.biblio@amma-int.org



<http://biblio.amma-international.org>  
<http://amma.agrhymet.ne/ammaBiblio>

<http://www.amma-international.org>

Please use the **project website** to browse and spread general information and news. Contact: amma.office@amma-int.org

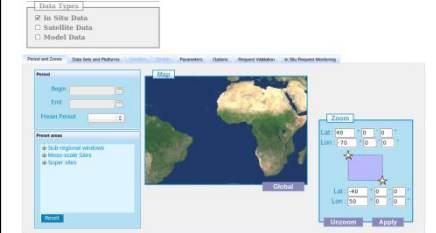


June 2012

## AMMA database newsletter

### A few key figures:

- 2 equivalent systems in Niger and France
- more than 700 users
- 10 new users per month
- more than 300 datasets
- more than 50 data request per month
- about 10 contributing projects



The AMMA database offers safe and user-friendly tools, in order to store and disseminate the observations and products generated or used by the different projects contributing to the AMMA programme. It contains various data types:

- campaign or long term monitoring field data from all the project disciplines (agronomy, chemistry, health, hydrology, meteorology, oceanography...)
- specific satellite products
- model outputs
- added value grid products
- questionnaire survey outputs.

The AMMA databases and associated online tools are managed by two teams in France: SEDOO, Observatoire Midi-Pyrénées, Toulouse and ESPRI, Institut Pierre Simon Laplace, Paris. The whole system is also operational in Centre Régional AGRHYMET, Niamey, Niger. The database can be accessed at two twin sites:

<http://database.amma-international.org>  
<http://amma.agrhymet.ne/amma-data>

**Many projects** already contribute to the AMMA database. The system can either manage the data, or store the metadata (information about the data) and propose an easy access to the data managing center. If you would like to disseminate datasets via the AMMA database, please contact Laurence.Fleury@obs-mip.fr or O.Moulaye@agrhymet.ne






**WELCOME TO THE AMMA DATA CATALOGUE**

**PROJECTS**

- AMMA-CATCH
  - Benin
  - Mali
  - Niger
- AMMA-Impacts
  - Agronomy
  - Health
  - Society
- Campaigns
  - AMMA-SOP
  - NAMMA
  - SCOUT
- ESCAPE
- FENNEC
- IMPETUS
- Operational Data
  - Meteo
  - Phiso
  - Radiosonde high reso
- QWeCI
- Research observation serv
  - GPS
  - IDAF
  - Oceans Networks
  - SO AERONET

**DATASET TYPES**

- AEROSOLS
- AGRONOMY
- ATMOSPHERIC CHEMISTRY
- ATMOSPHERIC SONDES
- CLOUDS
- FLUX
- GPS
- HEALTH IMPACTS
- HYDROLOGY
- METEO
- MODELS - ATMOSPHERE
- MODELS - LAND SURFACE
- MODELS - OCEANS
- OCEAN
- RADAR - MCS, WIND...
- RAINFALL
- SATELLITE - ATMOSPHERE
- SATELLITE - BIOSPHERE
- SATELLITE - LAND SURFACE
- SATELLITE - OCEANS
- SOCIETY
- SOIL PARAMETERS
- TOPOGRAPHY / MAPS
- VEGETATION
- WATER CHEMISTRY

**PLATFORM TYPES**

- AIRCRAFT
- BALLOONS
- GROUND-BASED OBSERVATIONS
- GROUND STATIONS
- OCEAN PLATFORMS
- OPERATIONAL NETWORK GROUND STATIONS
- SATELLITES




et bien d'autres....

## Data policy

The current data and publication policy is based on the same principles than the previous one. It defines the access rules to the data in order to best accommodate the data provider and user expectations.

- Data use is restricted to scientific or educational activities, and any activity serving public interests.
- No data redistribution to third parties or data use for commercial applications is allowed.
- Data users are expected to contact the data provider and to propose collaboration. To ensure this happens, any access to a dataset will automatically trigger an e-mail to the dataset provider so that he/she is aware of who intends to use the data and can contact that person if needed.
- Depending on the significance of the dataset in the work published and the actuality of a scientific collaboration, any publication will have to be either co-signed by the data provider or at least his contribution acknowledged.
- The data provider has to provide the best quality version of the dataset to the database and to inform the users who contacted him/her of any dataset correction.

More and more projects will use and feed the AMMA database. Individual scientists, principal investigator teams and projects will be permitted a **reasonable period of exclusive access to datasets** which they have collected, allowing them to work on them and produce publications. At the end of this period, the data will be available to all the AMMA database users. **For each dataset a specific acknowledgement sentence can be indicated.** It shall be used in publications using the supplied data and generally refers to the original project and funding of the dataset.

## Join the AMMA database user community

Scientists wishing to get access to data from the database are required to fill in an **online application** form including an abstract about the intended work and to sign the different data use rules. After registration acceptance a database user account is open and password is sent by email.

<http://database.amma-international.org/registration.jsf>  
<http://amma.agrhymet.ne/amma-data/registration.jsf>

ASK FOR AN ID - AMMA-INT MEMBER

<input type="radio"/> Ms. <input type="radio"/> Mr.		<input type="text"/>	
<input type="text"/>		<input type="text"/>	
<input type="text"/>		<input type="text"/>	
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With this form, I fully accept the rules given in the data policy of AMMA (see pdf file below). In particular

I apply for access to the data in order to perform the work described above.

I commit to contact the producer/owner of the data I required in order to propose him/her a collaboration.

I commit to never redistribute AMMA data received through this agreement, to say other person or institution.

I commit not to use data for commercial applications.

In the case of any publication, I commit

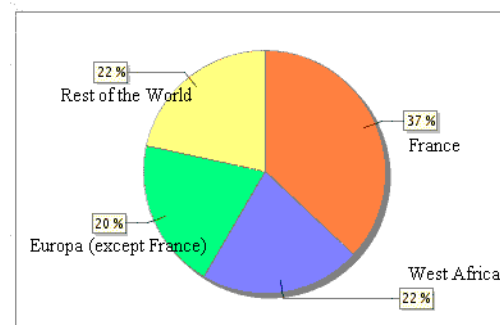
either to propose co-signature with the data provider or to acknowledge him depending on the data use, type and 'production age'.

to acknowledge the agencies which have built AMMA with the sentence: 'Based on a French initiative, AMMA was built by an international scientific group and is currently funded by a large number of agencies, especially from France, UK, US and Africa. It has been the beneficiary of a major financial contribution from the European Community's Sixth Framework Research Programme. Detailed information on scientific coordination and funding is available on the AMMA International web site <http://www.amma-international.org>'

to submit any publication related to AMMA to the Project Office ([amma-office@ipsl.jussieu.fr](mailto:amma-office@ipsl.jussieu.fr)) as soon as it is submitted to a journal, conference or other organization.

AMMA-INT [Send Request](#)

Registered users



## New datasets

CATCH team gathered together and homogenized **pluviometric observations** over the three meso-scale sites. **Long time series** are available for Benin and Niger.

Dataset code	Description, site	Period
CL.Rain_Cotonou	Rainfall gage. Cotonou.	Jan 2008 – Dec 2011
CL.Rain_O	Rainfall gages network . Ouémé meso-scale site.	Jan 1999 – Dec 2011
CL.Rain_Od	Rainfall gages network. Ouémé meso-scale site, Donga catchment.	Jan 1999 – Dec 2011
CL.Rain_G	Rain gages network . Gourma region, Hombori area.	Apr 2005 – Dec 2011
CL.Rain_GT	Rainfall gages network. Gourma region, North-South transect.	Apr 2005 – Nov 2011
C9004.Rain_Nc	Rain gages stations. Niamey mesosite.	Mar 1990 – Oct 2004
CE.Rain_Nc	Rainfall gages network. Niger meso-site, Kori de Dantiandou.	Mar 2005 – Nov 2011
CL.Rain_N	Rainfall gages network. Niger meso-site.	Mar 1990 – Nov 2011
CL_Rain_Nc	Rainfall gages network. Niger meso-site, Dantiandou kori valley Bani Kossey.	Aug 2005 – Sep 2010
CL.Rain_Nig	Recording rain gages Niger: Konni, Maradi, Tahoua, Tillaberi, Zinder.	Mar 1999 – Nov 2011

AMMA humidity measurements performed with **VAISALA radiosondes (RS80-A and RS92)** are characterized by a day-time dry bias and a night-time moist bias. This bias has been diagnosed against collocated GPS measurements and a **correction** proposed by Nuret *et al.* All the 2005-2008 profiles have been processed and are available.

AE.RS80-RHcor	Radiosondes Vaisala with humidity parameter corrected. Abidjan / Abuja / Agadez / Bamako / Dakar / Douala / N'Djamena / Ngaoundere / Niamey / Nouadhibou / Nouakchott / Tamale / Tombouctou.	Dec 2005 – Aug 2008
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**Operational SYNOP and TEMP** data, that were sent to the GTS **from 1979**, are now available. **METAR aircraft reports** are stored too. 16 operational data types are updated daily.

METAR	Aviation routine weather observation report.	May 2006 – June 2012
SYNOP	Synoptic observations from fixed land stations.	Jul 1979 – June 2012
TEMP	Radio soundings from fixed land stations.	Jul 1979 – June 2012

Two different **mesoscale convective systems tracking products** are now available.

Mesoscale Convective Systems Tracking (ISIS)	Based on MVIRI images. Resolution: 0.05°; 30 minutes.	June 1999 – Sep 2004
Mesoscale Convective Systems Tracking Climatology (LMD-LTHE)	Based on MVIRI images. Resolution: 0.05°; 30 minutes.	June 1983 – Sep 2006

Many other datasets have newly been provided or updated. Database content synthetic tables are online: <http://database.amma-international.org/docs/DatabaseContent.pdf>  
 Please visit the conference database stand and get a pdf or paper copy.

## Coming soon

New data will soon be provided by the projects or made available through collaborations with other data centers.

In particular, **QWeCI** project will provide **pluviometric and meteorological observation time series in Ghana. 2010 MIT radar data in Niamey**, collected in the **Megha-Tropiques** project framework, will soon be available. **2004-2009 AMMA agronomy data collected in Niger** are being integrated.

New AMMA 2006 campaign data will be referenced and made available. This concerns **M55-Geophysica** aircraft and **SCOUT balloons** data that are managed in **NILU**, and **BAE146** data managed in **BADC**.

