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

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

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-international.org

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

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

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 database can be accessed at two twin sites:

**http://fenoc.sedoo.fr**

**http://aoc.amma-international.org**

**http://isv.sedoo.fr**

**http://biblio.amma-international.org**

**http://www.amma-international.org**

**http://biblio.amma-agrhymet.ne/ammaBiblio**

**http://www.amma-agrhymet.ne/ammaData**

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

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

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.

<table>
<thead>
<tr>
<th>Dataset code</th>
<th>Description, site</th>
<th>Period</th>
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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.

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

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-LT)) 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.