The AMMA information system

AGRHYMET Regional Center, Niamey Oumarou Moulaye

ESPRI, IPSL, Palaiseau Sophie Cloché, Karim Ramage

SEDOO, OMP, Toulouse Jean-Luc Boichard, <u>Guillaume Brissebrat</u>, <u>Laurence Fleury</u>, Laurence Mastrorillo

LOCEAN, Paris

Laurence Eymard

GAME, Toulouse

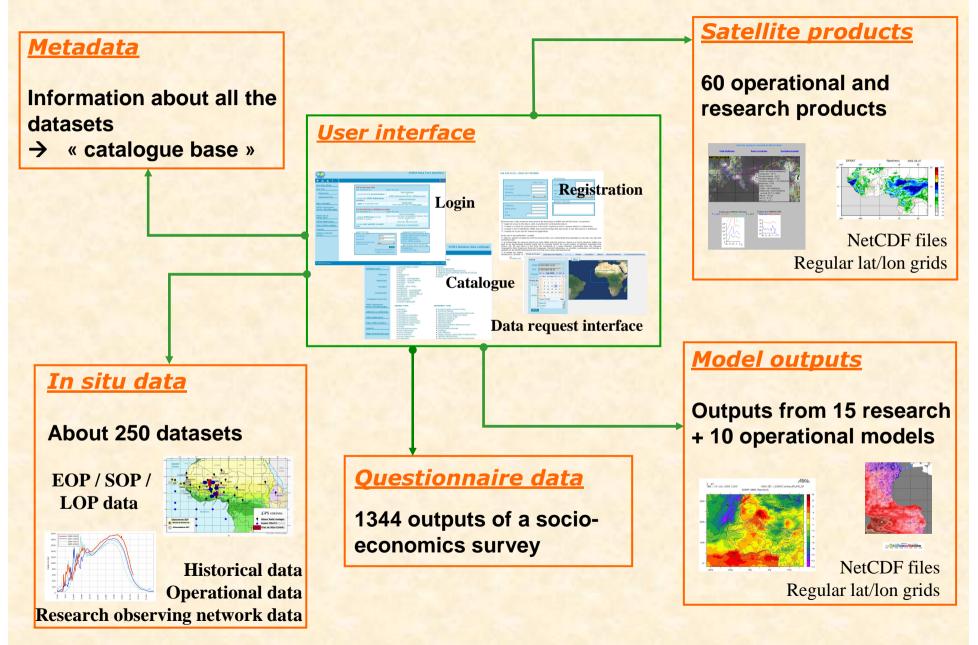
Nicole Asencio, Florence Favot, Odile Roussot

Main messages

- AMMA information system is not a database but
 a twin system of 5 databases
 + associated tools
- AMMA information system is not intended to data/users founded/participating in AMMA phase 1 project only but a service for the whole scientific community. Data come from ... and/or services are delivered to...

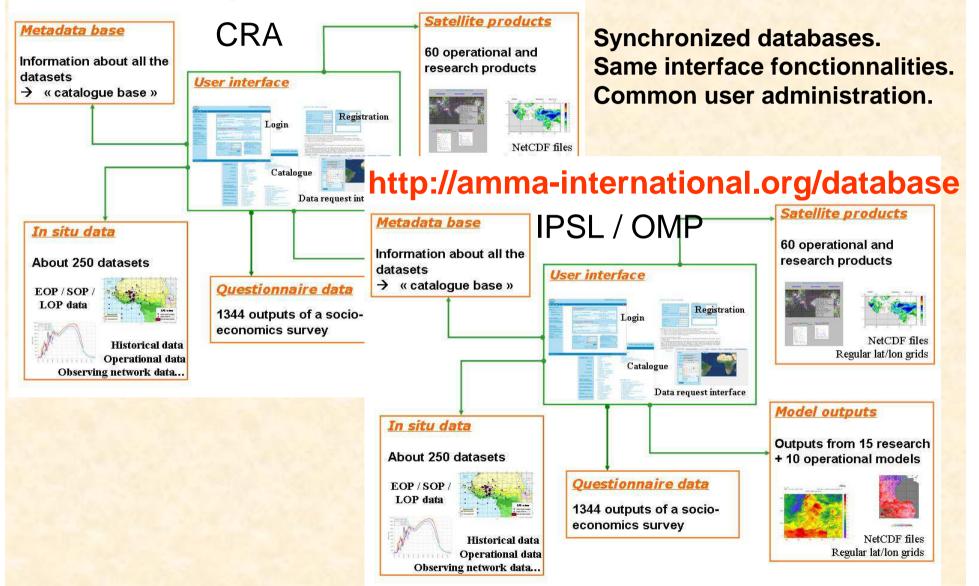


A distributed system



A distributed and duplicated system

http://amma.agrhymet.ne/amma-data

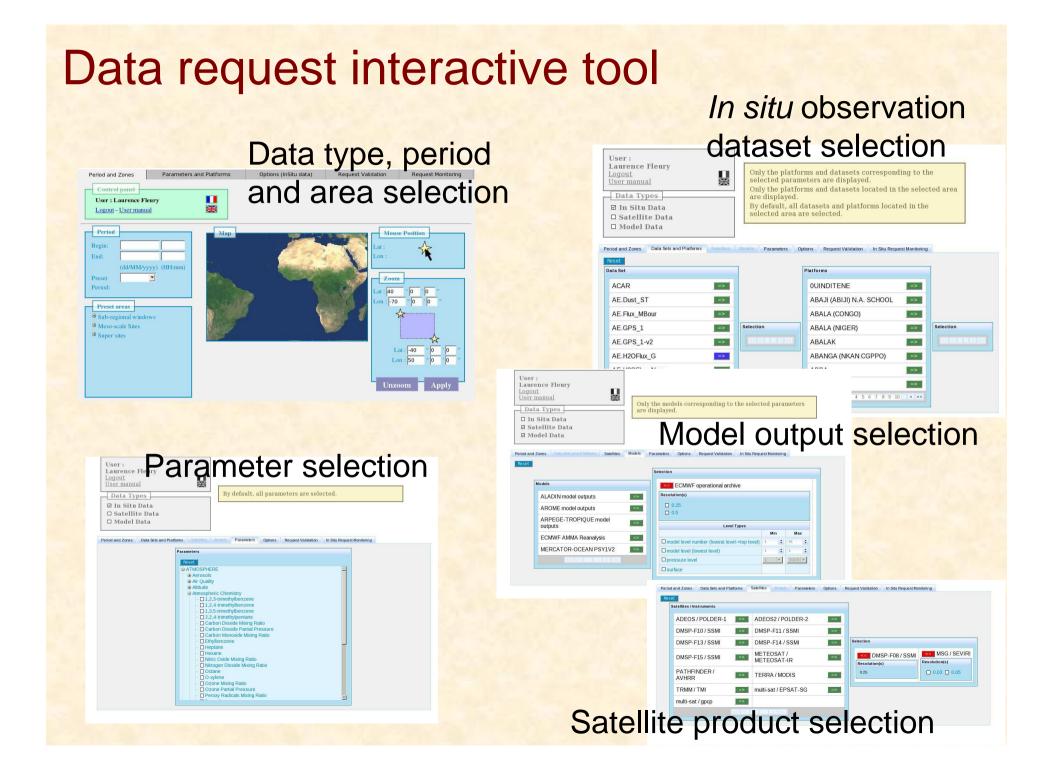


Detailed database content

AMMA database data catalogue

Database home WELCOME TO THE AMMA DATA CATALOGUE Projects Dataset New user - AMMA-CATCH - a Benin - a Mail - a Amail - a Mail -	* & = 🚺	Catalogue home >	
PROJECTS DATASET TYPES New user • AMMA-CATCH • Benin • Mail • Advoncempt • Advoncempt • Health • GFS • Advoncempt • Campaigns • Campaigns • AMMA-SOP • NAMMA • SCOUT • Campaigns • Catalogue search tool • Metreo • NamasAst • Metreo • Plavio • Reache • Operational Data • Metreo • Plavio • Reache • Society • Plavio • Reache • Society • Plavio • Reache • Society • Plavio • Nobells • Advonced Wey High Resolution data • Metreo • Society • So AERONET • Society • So AERONET • Society • Mates • Society • Society • Mopelis • Carbolis • Metreo • Nobelis • Carbolis • Society		WELCOME TO THE AMMA DATA CATALOGUE	
 	Database home	PROJECTS	DATASET TYPES
 Mail Niger AdMA: Impacts AdMA: Impacts AdMA: Impacts AdMA: Impacts AdMA: Impacts AdMA: Impacts Catalogue home AdMA: Impacts AdMA: Impacts Could be added be a	New user		
Datasets• Agroinomy • HealthFLUX• Health• GPS• Society• Health• Campaignos• AMMA-SOP• AMMA-SOP• HEALTH IMPACTS• NAMMA• SCOUT• NAMA• SCOUT• SCOUT• OCEAN• OCEAN• OCEAN• Operational Data• OCEAN• Pluvão• RADAR: MCS, WIND,• Radiosonde high resolution data• SATELLITE - IAND SURFACE• OWeCI• Radiosonde high resolution data• OWeCI• Research observation services• Offs• IDAF• Other AMMA websites• GFS• Other AMMA websites• SO AERONET• Other AMMA websites• SO AERONET• Admin (restricted access)• OCEAN• Admin (restricted access)• AErosols• Agricultural Engineering• Advanced Very High Resolution Radiometer• Agricultural Plant Science• Advanced Very High Resolution Radiometer• Agricultural Plant Science• Advanced Very High Resolution Radiometer	Catalogue home	o Mali o Niger	ATMOSPHERIC CHEMISTRY ATMOSPHERIC SONDES
Plateforms • AMMA • SCOUT • SCOUND • SATELLITE • SCOUND • SATELLITE • SCOUND • SATELLITE • SCOUND • SATELLITES • SUBLE • SATELLITES • SUBLE • SUBLE • SCOUND • SCOUND • STATIONS • OCEAN • OERN • SCOUND • STATIONS • OCEAN • OCEAN • OUND • STATIONS • OCEAN • OCEAN • SATELLITE • SOUND • STATIONS • OCEAN • SOUND • STATIONS • OCEAN • OCEAN • SOUND • STATIONS • OCEAN • SOUND • STATIONS • OCEAN • SATELLITES • SHIPS • SHIPS • SHIPS • SHIPS • Advanced Very High Resolution Radiometer • AEROSOL COULECTORS	Datasets	• Agronomy • Health • Society	FLUX GPS
Variables • ESCAPE • MODELS - OCEANS Instruments • Operational Data • Oceans • Operational Data • Meteo • RADAR : MCS, WIND, • Operational Data • Meteo • SATELLITE - ATMOSPHERE • Pluvio • Radiosonde high resolution data • SATELLITE - IOSPHERE • OWeCl • OWeCl • SATELLITE - OCEANS • OWeCl • ORE • SATELLITE - OCEANS • OWeCl • Ceans Networks • SOIL PY • DAF • DAF • SOIL PY • Other AMMA websites • SO AERONET • NATER CHEMISTRY Other AMMA websites • SO AERONET • AIRCRAFT • Admin (restricted access) • AIRCRAFT • BALLOONS • Admin (restricted access) • Aerosols • SATELLITEs • Aerosols • Aerosols • Advanced Very High Resolution Radiometer • Agricultural Engineering • Advanced Very High Resolution Radiometer • Agricultural Plant Science • AETHAELOMETER	Plateforms	AMMA-SOPNAMMA	METEOMODELS - ATMOSPHERE
Instruments • Meteo • SATELLITE - ATMOSPHERE • Olivio • Radiosonde high resolution data • SATELLITE - LAND SURFACE • QWeCl • SATELLITE - LAND SURFACE • QWeCl • SATELLITE - COEANS • OWetage • DAF • OBER • DAF • OCeans Networks • SO AERONET • Other AMMA websites • OBERATIONS • Contacts • Admin (restricted access) Admin (restricted access) • VARIABLE TYPES • Aerosols • Agricultural Engineering • Agricultural Plant Science • Advanced Very High Resolution Radiometer	Variables	• ESCAPE • FENNEC • IMPETUS	MODELS - OCEANS OCEAN
Catalogue search tool• Radiosonde high resolution data• SATELLITE - LAND SURFACE • SATELLITE - OCEANS • SOCIETY • SOCIETY • SOCIETY • SOCIETY • SOCIETY • SOLI PARAMETERS • SOLI PARAMETERS • OCeans Networks • OCeans Networks • SO AERONET• SATELLITE - OCEANS • SOLI PARAMETERS • SOLI PARAMETERS • ODE PLATEFORM TYPESAMMASAT & AMMAMOD Other AMMA websites Contacts• Creans Networks • SO AERONET• SOLETY • SOL PARAMETERS • DOE eans Networks • SO AERONETAdmin (restricted access)• Variable TYPES• Aircoaltant Science• Advanced Very High Resolution Radiometer • Agricultural Plant ScienceVARIABLE TYPES• Advanced Very High Resolution Radiometer • Agricultural Plant Science• Advanced Very High Resolution Radiometer • AETHAELONETTER	Instruments	 Meteo 	 SATELLITE - ATMOSPHERE
AMMA Instruments • GPS • SOIL PARAMETERS sheets / Metadata page • DAF • TOPOGRAPHY / MAPS • DAF • VEGETATION • VEGETATION AMMASAT & AMMAMOD • SO AERONET • WATER CHEMISTRY AMMA websites • AIRCRAFT • BALLOONS • Contacts • GROUND-BASED OBSERVATIONS • GROUND-BASED OBSERVATIONS • Admin (restricted access) • CARLABLE TYPES • AEROSOLS • Aerosols • Aerosols • Advanced Very High Resolution Radiometer • Agricultural Engineering • Advanced Very High Resolution Radiometer • AEROSOLS • AERONOL COLLECTORS	Catalogue search tool	QWeCI	 SATELLITE - LAND SURFACE SATELLITE - OCEANS
AMMASAT & AMMAMOD PLATEFORM TYPES Other AMMA websites • AIRCRAFT Contacts • GROUND BASED OBSERVATIONS Admin (restricted access) • OCEAN PLATFORMS VARIABLE TYPES • OPERATIONAL NETWORK GROUND STATIONS • SATELLITES • SHIPS • Aerosols • Advanced Very High Resolution Radiometer • Agricultural Engineering • Advanced Very High Resolution Radiometer • Agricultural Plant Science • AETHAELOMETER		• IDAF • Oceans Networks	TOPOGRAPHY / MAPSVEGETATION
Other AMMA websites • AIRCRAFT Contacts • BALLOONS Admin (restricted access) • GROUND-BASED OBSERVATIONS Admin (restricted access) • OPERATIONAL NETWORK GROUND STATIONS VARIABLE TYPES • OPERATIONS • Advanced Very High Resolution Radiometer • Agricultural Engineering • Advanced Very High Resolution Radiometer • Agricultural Plant Science • AETHAELOMETER	AMMASAT & AMMAMOD	◦ SO AERONET	WATER CHEMISTRY
Contacts • BALLOONS Admin (restricted access) • GROUND-BASED OBSERVATIONS Admin (restricted access) • OPERATIONAL NETWORK GROUND STATIONS • OPERATIONAL NETWORK GROUND STATIONS • SATELLITES • SATELLITES • SHIPS • Aerosols • Advanced Very High Resolution Radiometer • Agricultural Engineering • Advanced Very High Resolution Radiometer • Agricultural Plant Science • AETHAELOMETER			PLATEFORM TYPES
Contacts • GROUND STATIONS Admin (restricted access) • OPERATIONAL NETWORK GROUND STATIONS • Admin (restricted access) • OPERATIONAL NETWORK GROUND STATIONS • VARIABLE TYPES • SATELLITES • Aerosols • Advanced Very High Resolution Radiometer • Agricultural Engineering • AEROSOL COLLECTORS • Agricultural Plant Science • AETHAELOMETER	Other AMMA websites		
Admin (restricted access) • OPERATIONAL NETWORK GROUND STATIONS • SATELLITES • SHIPS VARIABLE TYPES INSTRUMENT TYPES • Aerosols • Agricultural Engineering • Agricultural Plant Science • Advanced Very High Resolution Radiometer • AEROSOL COLLECTORS • AETHAELOMETER	Contacts		GROUND STATIONS
	Admin (restricted access)		OPERATIONAL NETWORK GROUND STATIONS
Aerosols Aqvanced Very High Resolution Radiometer Agricultural Engineering Agricultural Plant Science Agricultural Plant Science Activation Activation Radiometer Agricultural Plant Science Activation Radiometer Acti			
Agricultural Engineering Agricultural Plant Science		VARIABLE TYPES	INSTRUMENT TYPES
Altitude BAROMETERS		 Agricultural Engineering Agricultural Plant Science Air Quality 	 AEROSOL COLLECTORS AETHAELOMETER ANEMOMETERS

Synthetic tables: http://database.amma-international.org/docs/DatabaseContent.pdf (paper copy available during the conference)



Socio-economics questionnaire interface

Questionnaire on household adaptation strategies (cf. talk Diallo on Tuesday morning).

- \rightarrow Selection and consultation pages.
- → All the forms in xls or the MySQL database can be supplied

Accueil	Visualisatio	n d'un questionnaire	uestionnaire Recherche géographique		
		FA0021 ions générales			
orecedent Numero d'ordre : Village Ethnie de(des) perso Autochtone Durée dans le village Langue utilisée peno		BFA0021 TOUGOU FULSE 1 0	Date :	2008-07-05	<u>suiva</u>
Informations générales	Ressources humaines	Economie de	e l'UP	Superficie c	ultivée de l'UP
Equipement de l'UP	Agriculture pluviale, campagne	e passée	Cultures pluviale	<u>IS</u>	Cultures irriguées
	Elevage	Espace pastoral		Produits	forestiers
Produits agricoles					

Socio-economics questionnaire interface

Questionnaire on household adaptation strategies

- \rightarrow selection and consultation pages
- → 17 output pages of predefined database requests

(contact us to add others)

Espèces élevées

Choisissez l'espèce à analyser



٥

Envoyer

Bovin						
Site	augmenté	diminué	disparu	ne sais pas	nouveau	stable
Banizoumbou	13	20	0	0	0	10
Barkedji	2	6	8	1	0	2
Chingowa	1	0	0	1	0	1
Dano	1	33	8	0	16	1
Dianguirde	8	36	2	0	0	21
Galle	28	22	2	0	0	9
Guidan Roumji	9	20	2	0	1	2
Kaffrine	3	31	47	0	2	2
Kalalawa	2	1	1	0	1	2
Mountseka	9	18	3	0	1	5
Nankorola	45	18	0	0	0	29
Oudalan	8	53	4	1	5	3
Tougou	20	25	1	0	2	9
Tourourou	4	28	11	0	0	0
Ziga	8	44	10	1	3	2
Zongo Buhari	8	4	0	0	0	5

How to register ?

ASK FOR AN ID - AMMA-INT MEMBER

C Ms. O Mr. Last Name First Name Affiliation Member of an AMMA program ?	Institution Postal Address Zip Code City Country	Afghanistan
Telephone Mobile phone Fax E-Mail	Project abstract	

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 any other person or institution.

□ I commit not to use data for commercial applications.

In the case of any publication, I commit

 \Box 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'

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

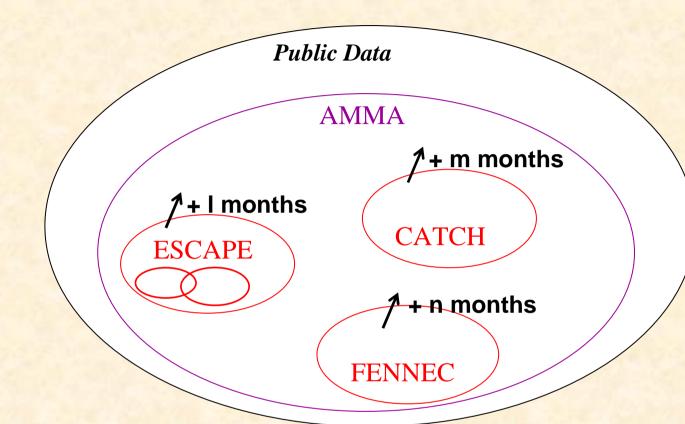


AMMA data and publication policy

Data user obligations

- Data use restricted to scientific or educational activities, and any activity serving public interests.
- No data use for commercial applications is allowed.
- No data redistribution to third parties is allowed.
- Contact the data provider (automatic mails).
- Co-sign with the data provider or acknowledge

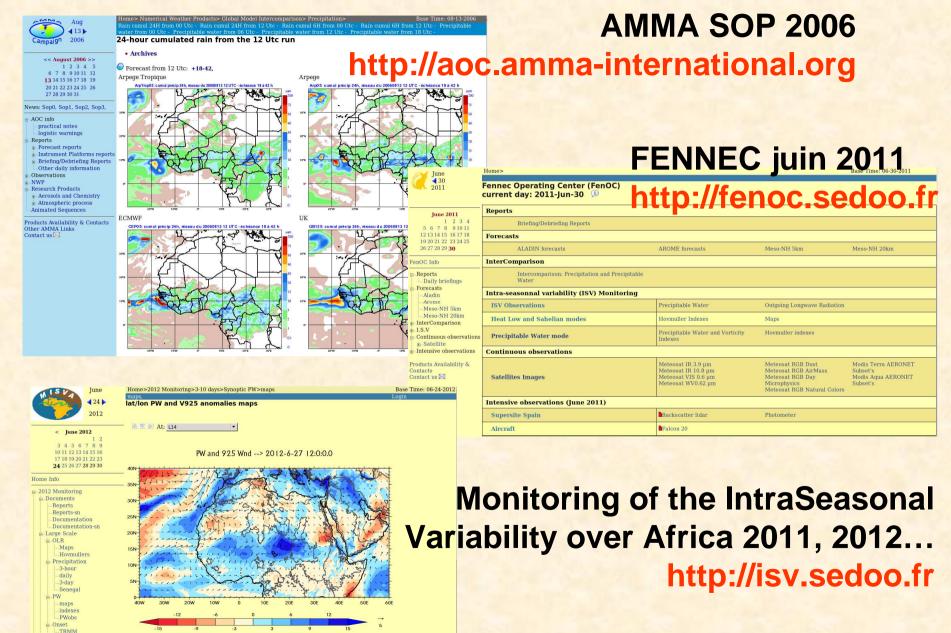
Multiproject context



I,m,n = a reasonable period of exclusive access to datasets (< 24) Specific acknowledgment sentence for each dataset.

Possibility : a registration form / data policy by project. Management of user and dataset "roles".

Quick look display websites



OLR Circulation

Collaborative bibliographic database



AMMA Publications

Username: fleury Logout 1200 references,

including full text

publications.

Wikindx Resources File Help

Welcome on the AMMA collaborative bibliographic platform, based on the open software Wikindx!

You can look at the bibliographic resources already recorded by selectively searching or by browsing the database. You can also participate in enriching this database by registering, either to enter new resources or complement existing ones, in the spirit of this base: resources directly related to the AMMA programme. In addition, you will be able to access more content and to create your own bibliographies from the existing resources. Get familiar with this application thanks to the Wikindx and Help menus. Do not hesitate to contact the administrator to report any bug.

ttp://biblio.amma-international.org/

Bienvenue sur la plate-forme bibliographique collaborative d'AMMA, qui utilise le logiciel libre Wikindx !

Vous pouvez consulter les références bibliographiques déjà saisies par une sélection de critères ou une navigation dans la base. Il est également possible de participer à l'enrichissement de cette base en vous enregistrant, soit pour proposer de nouvelles références soit pour compléter celles qui existent, en respectant l'esprit de cette base : références concernant directement le programme AMMA. Vous pourrez de plus accéder à davantage de contenus et créer vos propres bibliographies à partir des ressources existantes.

Faites connaissance avec l'application à travers les menus Wikindx et Aide. N'hésitez pas à contacter l'administrateur si vous repérez un dysfonctionnement.

http://amma.agrhymet.ne/ammaBiblio/

Recent additions or edits

Vischel, T. & Lebel, T. (2007) Assessing the water balance in the Sahel: Impact of small scale rainfall variability on runoff. Part 2:Idealized modeling of runoff sensitivity. IN <i>Journal of Hydrology</i> , 333. 340–355.	Last Edited by: Marie-Pierre Devic 2008-10-30 15:45:40
Moumouni, S., Gosset, M. & Houngninou, E. (2008) Main Features of Rain Drop Size distributions observed in Benin, West Africa, with Optical Disdrometers. IN <i>Geophysical Research Letters</i> , .	Last Edited by: A Pop. 8% Marie-Pierre Devic 2008-10-30 15:02:56
Le Lay, M., Galle, S., Saulnier, GM. & Braud, I. (2007) Exploring the relationship between hydroclimatic stationarity and rainfall-runoff model parameter stability: A case study in West Africa. IN <i>Water Resources Research</i> , 43.	Last Edited by: 🔀 y Pop. 8% Marie-Pierre Devic 2008-10-30 11:07:43
Le Lay, M., Saulnier, GM., Galle, S., Séguis, L., Metadier, M. & Peugeot, C. (2008) Model representation of the Sudananian hydrological processes. Application on the Donga catchment (Benin). IN <i>Journal of Hydrology</i> , .	Last Edited by: 🖂 y Pop. 8% Marie-Pierre Devic 2008-10-30 11:06:08
Lebel, T., Parker, D. J., Bourlès, B., Diedhiou, A., Gaye, A., Polcher, J., Redelsperger, JL. & Thorncroft, C. D. AMMA FIELD CAMPAIGNS IN 2005 AND 2006. In: <i>Gewex News</i> , Nr. 1, 2007, 4–6.	Last Edited by: A published Marie-Pierre Devic 2008-10-30 10:02:11
Ali, A., Lebel, T. & Amani, A. (2005) Rainfall Estimation in the Sahel. Part I: Error Function. IN Journal of Applied Meteorology, 44. 1691–1706.	Last Edited by: A published Marie-Pierre Devic 2008-10-28 10:21:01
Bourlès, B., Brandt, P., Caniaux, G., Dengler, M., Gouriou, Y., Key, E., Lumpkin, R., Marin, F., Molinari, R. L. & Schmid, C. African Monsoon	Last Edited by: 🖂 y published

Please register, use and document your publications.

Suggestion: may be used to archive and/or disseminate document corpus?

AMMA Information System Future

- A set of tools to be used, developed, improved depending on your needs and support.
- Please use all the services.
- Submit us your data management needs for existing datasets and new project proposals
 - Funding programs often require a data management strategy.
 - Development costs reduced.
 - Specific data policies during the reserved access period.

AMMA Information System Future

- A set of tools to be used, developed, improved depending on your needs and support.
- Please use all the services.
- Submit us your data management needs for existing datasets and new project proposals
 - Funding programs often require a data management strategy.
 - Development costs reduced.
 - Specific data policies during the reserved access period.

African Monsoon Multidisciplinary Analyses African Multiproject Multidisciplinary Analyses