

PROGRAMME AT A GLANCE

4 th AMMA international Conference 2 - 6 July 2012, ICC, Toulouse, France					
	Monday 2	Tuesday 3	Wednesday 4	Thursday 5	Friday 6
09:00	Registration and welcoming coffee	Plenary session (3)	Plenary session (5)	Plenary session (7)	Parallel sessions (9)
	10:30 Opening session Introduction and Institutional talks Organization S. Janicot, A. Afouda	Society Environment Climate Interactions 5 x 20' B. Sultan, J.A. Ndione	African Monsoon Predictability 5 x 20' C.D. Thorncroft, R. Cornforth	African Monsoon System 5 x 20' J.P. Lafore, C. Flamant	6 x 15' 9A Climate and Health A. Morse, N. Martiny 9B Monsoon system: Land surface models Y. Xue, A. Boone 9C Monsoon system: Ocean P. Brandt, A. Lazar
10:40		Coffee break	Coffee break	Coffee break	10:30 Coffee break
11:10	Plenary session (1) Solicited talks 3 x 30' A. Afouda, S. Janicot	3 cont. 5 x 20' B. Sultan, J.A. Ndione	5 cont. 5 x 20' C.D. Thorncroft, R. Cornforth	7 cont. 5 x 20' J.P. Lafore, C. Flamant	11:00 Plenary session (10) 7 x 15' and discussion Research projects and links with AMMA E. Efiesimama, D. Parker
12:50	Intro sessions 2A, 2B, 2C, and posters 2A, 2B-9C, 2C-4D	Intro sessions 4A, 4B, 4C, 4D, and posters 4A, 4B-9B, 4C-6D	Intro sessions 6A, 6B, 6C, 6D, and posters 6A, 6B-8D, 9A	Intro sessions 8A, 8B, 8C, 8D, and posters 8A, 8B, 10	
13:00	Lunch	Lunch	Lunch	Lunch	13:30 Lunch
14:00	Poster session	Poster session	Poster session	Poster session	Poster session
15:30	Parallel sessions (2) 10 x 15'	Parallel sessions (4) 10 x 15'	Parallel sessions (6) 10 x 15'	Parallel sessions (8) 10 x 15'	Plenary session (11)
	2A Vulnerability and adaptation I : A multi-sector perspective L.V. Rasmussen, M. Zorom 2B Monsoon system: Climate I B. Rodriguez-Fonseca, B. Fontaine 2C Monsoon system : Clouds-convection I F. Guichard, J.Y. Grandpeix	4A Vulnerability and adaptation III : Soil and forest M. K. Simeu, M.S. Keita 4B Monsoon system: Water cycle S. Galle, C. Peugeot 4C Seasonal prediction Peter Lamb, M. Vellinga	6A Intraseasonal variability and predictability I O. Ndiaye , P. Peyrille 6B CMIP5 I : Decadal variability F. Hourdin, E. Martin 6C Dust-aerosols and Health C. Lioussse, P. Yaka	8A Water resources quantification and management B. Ngounou Ngatcha, C. Peugeot 8B Monsoon system Dust I R. Washington, P. Knippertz 8C Intraseasonal variability and predictability III N. Hall, S. Leroux	14:30-16:30 Outcomes Recommandations Closure C. Thorncroft, A. Diedhiou
16:45	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
17:15 – 18:30	2A Vulnerability and adaptation II : Agriculture S. Traore, A. Ricome 2B Monsoon system: Climate II B. Rodriguez-Fonseca, B. Fontaine 2C Monsoon system: Clouds-convection II F. Guichard, J.Y. Grandpeix	4A Vulnerability and adaptation IV : Pastoralism E. Mougine, C. Mering 4B Monsoon system: Remote sensing hydrology M. Grippa, L. Sigha 4D Monsoon system : Clouds-convection III D. Parker, D. Bouniol	6A Intraseasonal variability and predictability II O. Ndiaye, P. Peyrille 6B CMIP5 II : Climate change F. Hourdin, E. Martin 6D Monsoon system: Land surface processes H. Karambiri, L. Seguis	8A Floods and extreme events A. Afouda, T. Lebel 8B Monsoon system Dust II R. Washington, P. Knippertz 8D CMIP5 III : Regional climate modeling S. Bastin, B. Pohl	
19:30	Icebreaker			Dinner	

17:30	Pr.2A.7	Parklands economically profitable for an adaptation to the climate change in Benin	P. C. Gnangle
17:45	Pr.2A.8	Climatic and agrarian changes in the farming communities in the eastern Ivory Coast	D. Noufe
18:00	Pr.2A.9	To what extent can satellite rainfall estimates be used for crop yield prediction ?	J. Ramarohetra
18:15	Pr.2A.10	Potential of weather index-based insurance for a cash crop regulated sector: An ex ante evaluation for cotton in Cameroon	A. Leblois

19:00-20:30 *Icebreaker - Meteo France International Conference Center*

2B - Monsoon system: Climate I

Chair: B. Rodriguez-Fonseca – Secretary: B. Fontaine

15:30	Pr.2B.1	Impact of the air-sea coupling in the Gulf of Guinea on the Guinean coastal water cycle in boreal spring	R. Meynadier
15:45	Pr.2B.2	Identification of processes driving low level westerlies in West Equatorial Africa	W. Pokam
16:00	Pr.2B.3	Aeolian dynamics variability in central Sahel between 1950 and 2000: Are meteorological data about wind representative of the climate change and its environmental impact? Example of the synoptic stations Maïné-Soroa and Nguigmi (Niger, Lake Chad basin)	B. Hassane
16:15	Pr.2B.4	Trends in extreme daily rainfall in West Africa during the last century	G. Panthou
16:30	Pr.2B.5	Recent climate variability in West Africa studied with long series of METEOSAT data	L. Picon presented by R. Roca

16:45-17:15 *Coffee Break*

2B - Monsoon system: Climate II

Chair: B. Rodriguez-Fonseca – Secretary: B. Fontaine

17:15	Pr.2B.6	Zonal contrast in low-frequency Sahel rainfall variability and Atlantic Sea Surface Temperatures teleconnections during the last century	B. Dieppois
17:30	Pr.2B.7	Non stationary impacts of the tropical oceans on the West African Monsoon	T. Losada
17:45	Pr.2B.8	Influence of different SST forcing on the climate variability over West Africa: Modeling approach- the case of the region of Lamto	F. Yoroba
18:00	Pr.2B.9	Climate change, interannual and interseasonal variations of temperature, humidity and rainfall dynamics in Southeast Nigeria	F. E. Asuquo
18:15	Pr.2B.10	The West African monsoon duration and intensity from AD 450-950 inferred from high resolution isotope sclerochronology of fossil mollusk shells in the Salum estuary (Senegal)	M. Azzoug

19:00-20:30 *Icebreaker - Meteo France International Conference Center*

2C - Monsoon system: Clouds-convection I

Chair: F. Guichard - Secretary: J.Y. Grandpeix

15:30	Pr.2C.1	Documentation of convective processes along squall lines from the isotopic composition of near-surface water vapor in Niamey (Niger) during the 2010 and 2011 West African monsoon periods	G. Tremoy
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15:45	Pr.2C.2	Characterization of the atmosphere to the passage of squall lines at Dakar from 1968 to 2006.	B. Diop
16:00	Pr.2C.3	Characterization of local deep convection observed in the Sahel over Niamey during the pre-onset period	C. Dione
16:15	Pr.2C.4	The impact of soil moisture and convectively-generated waves on the initiation of a West African mesoscale convective system	C. Birch
16:30	Pr.2C.5	Convection-permitting ensemble simulations for West Africa	V. Kluepfel
16:45-17:15	<i>Coffee Break</i>		

2C - Monsoon system: Clouds-convection II

Chair: F. Guichard - Secretary: J.Y. Grandpeix

17:15	Pr.2C.6	Impact of land surface properties on convection in a 40 day convection-permitting simulation over West Africa	C. Taylor
17:30	Pr.2C.7	The diurnal cycle of storms versus African Easterly Waves	C. Bain
17:45	Pr.2C.8	Observations of the modulation of convection by African Easterly Waves	C. Thorncroft
18:00	Pr.2C.9	Early genesis of African Easterly Waves in the Eastern Atlantic	A. Brammer
18:15	Pr.2C.10	Life cycle of the mesoscale convective systems in the WAM: a satellite perspective	R. Roca
19:00-20:30	<i>Icebreaker - Meteo France International Conference Center</i>		

TUESDAY 3 JULY

09:00-12:50 Plenary session 3 – Society-Environment-Climate Interactions

Chair: B. Sultan – Secretary: J.A. Ndione

09:00	Pl.3.1	Land use rationales in desert fringe agriculture	L. V. Rasmusen
09:20	Pl.3.2	Gender perspectives on climate change, agriculture and food security at village-level: case studies in four CCAFS benchmark sites in West Africa	J. Gué
09:40	Pl.3.3	Rainfed agriculture evolution in a climate variability context of West Africa Sudano-Sahelian zone	D. Diallo
10:00	Pl.3.4	Cross-considerations of breeders on their vulnerability and adaptation coping recurrent crises and climate change	B. Bonnet
10:20	Pl.3.5	What potential impacts the African Great Green Wall may have on surface fluxes and stocks?	N. De Noblet
10:40-11:10	<i>Coffee Break</i>		
11:10	Pl.3.6	People-centered flood early warning system in Mali: ANADIA approach	V. Tarchiani presented by A. Di Vecchia
11:30	Pl.3.7	Rainfall mode and problem of supply drink water at Allada	C. G. Etene
11:50	Pl.3.8	The transcube model and tele-epidemiology over West Africa	Y. M. Toure
12:10	Pl.3.9	Environment, health and climate: Impact of African aerosols	C. Liousse

12:30	Pl.3.10	Vulnerability of the Sahelian rural populations to climate variability: Mathematical modeling of the socio economic dynamic	M. Zorom
12:50-13:00		Announcement of the parallel and posters sessions	
13:00-14:00		<i>Lunch break on site</i>	
14:00-15:30		Poster sessions Po 4A, Po 4B-9B, Po 4C-6D	
15:30-18:30		Parallel sessions 4	4A, 4B, 4C, 4D

4A - Vulnerability and adaptation III: Soil and forest

Chair: M. Simeu - Secretary: M.S. Keita

15:30	Pr.4A.1	Wind erosion annual cycle in the cultivated Sahel	J.L. Rajot
15:45	Pr.4A.2	Sahelian dust: For a better estimation of emissions taking into account vegetation heterogeneity	C. Pierre
16:00	Pr.4A.3	Vulnerability and adaptation to climate variability and change by rural households in the Sudan-Sahel region of Nigeria	D. Dabi
16:15	Pr.4A.4	Effects of climate variability on savannah fire regimes in West Africa	N. E. Toure presented by A. Konare
16:30	Pr.4A.5	Land use conflict: a threat for the sustainable conservation of Koutal Community Forest	B. Faye

16:45-17:15 *Coffee Break*

4A - Vulnerability and adaptation IV: Pastoralism

Chair: E. Mougin – Secretary: C. Mering

17:15	Pr.4A.6	Contribution of livestock grazing to the herb decay during dry season in Sahel	P. Hiernaux
17:30	Pr.4A.7	Livestock feed balance: a tool to diagnose pastoral breeding systems in Sahel	M.O. Diawara
17:45	Pr.4A.8	Considerations on the scope of farmers strategies for adapting to the reduction of pastoral resources and their use conflicts in the municipality of Djougou	A. Bonnassieux
18:00	Pr.4A.9	Wind break effect on ecological restoration and capacity of pastoral care of Namaro sand dune	A. D. Tidjani
18:15	Pr.4A.10	Sahels North, Sahels South: Building human indicators of a relative desertification	M. Saqalli

4B - Monsoon system: Water cycle

Chair: S. Galle - Secretary: C. Peugeot

15:30	Pr.4B.1	Rising ponds in un-cultivated Sahel: Mechanisms and spatial extension from Mauretania to Chad	L. Kergoat
15:45	Pr.4B.2	Investigation of ALMIP zone total water storage variations using GRACE	L. Longuevergne presented by G. Favreau
16:00	Pr.4B.3	Mass redistributions in West Africa induced by the monsoon system: comparison of GPS, GRACE and geophysical models	S. Nahmani
16:15	Pr.4B.4	Impacts of ground water circulation on surface energy balance in Sudanese bedrock areas	J.M Cohard
16:30	Pr.4B.5	Evaluation of the ISBA-TRIP continental hydrologic system over the Niger basin using in-situ and satellite derived data.	V. Penidotti

16:45-17:15 *Coffee Break*

4B - Monsoon system: Remote sensing hydrology

Chair: M. Grippa - Secretary: L. Sigha

17:15	Pr.4B.6	Quantitative Precipitation Estimation (QPE) based on weather radar Radar in West Africa: results from the Xport polarimetric radar during the AMMA (2005-2006) and Megha-Tropiques (2010) campaign	M. Kacou
17:30	Pr.4B.7	Surface soil moisture over Sahel derived from ENVISAT radar altimetry backscattering coefficients	C. Fatras
17:45	Pr.4B.8	SMOS soil moisture products in West Africa, evaluation and applications	S. Louvet
18:00	Pr.4B.9	A map of perennial and ephemeral surface water bodies over the western African region for hydrological modeling	A. Kaptue
18:15	Pr.4B.10	Estimation and mapping of land surface temperature from AATSR images and GIS: A case study in Kolondieba-Tiendaga basin in Sudano-Sahelian climate, Mali.	D. Ibrahima

4C - Seasonal prediction

Chair: P. Lamb - Secretary: M. Vellinga

15:30	Pr.4C.1	Assessment of intraseasonal to interannual climate prediction and predictability in part of lower Niger Basin	O. Adeaga
15:45	Pr.4C.2	Seasonal predictions of summer precipitation over West Africa using the CNRM-CM5 GCM	L. Batte
16:00	Pr.4C.3	The role of the oceanic background state on the Atlantic Equatorial Mode impacts	B. Rodriguez-Fonseca
16:15	Pr.4C.4	Seasonal prediction of rainfall in West Africa under a statistical model of non-stationary predictors	R. Suarez
16:30	Pr.4C.5	Ensemble-based empirical predictions of monthly-to-seasonal monsoon rainfall	Z. Segele
16:45-17:15		<i>Coffee Break</i>	

4D - Monsoon system: Clouds-convection III

Chair: D. Parker - Secretary: D. Bouniol

17:15	Pr.4D.1	The vertical cloud structure of the West African monsoon	T. Stein
17:30	Pr.4D.2	The Representation of ultra-low clouds over the Southern West African monsoon region in observations, re-analysis data and climate models	P. Knippertz
17:45	Pr.4D.3	Simulation of ultra-low clouds over the southern West African monsoon region with the regional model WRF	R. Schuster
18:00	Pr.4D.4	Evaluation of the representation of daytime convection over land by parametrized models in semi-arid condition	F. Couvreur
18:15	Pr.4D.5	Density current parametrization at LMD and CNRM.	J.Y. Grandpeix

Wednesday 4 July

09:00-12:50 **Plenary session 5 – African monsoon predictability**

Chair: C.D. Thorncroft - Secretary: R. Cornforth

09:00	Pl.5.1	Applications of climate models for improved decision support services	W. Thiaw
09:20	Pl.5.2	Data impact studies using observations from AMSU-A & -B over land during the summer 2006	F. Karbou
09:40	Pl.5.3	Evaluation of the forecast skill of the high resolution AROME model over West Africa	F. Beucher
10:00	Pl.5.4	Characteristics of rainfall onset over northern and southern parts of Senegal	O. Ndiaye
10:20	Pl.5.5	Impact of the Indian part of the summer MJO on West Africa using nudged climate simulations	E. Mohino
10:40-11:10		Coffee Break	
11:10	Pl.5.6	Seasonal-to-decadal prediction of the West African monsoon	J. Garcia-Serrano presented by I. Andreu-Burillo
11:30	Pl.5.7	Climate change scenarios over West Africa: from CMIP3 to CMIP5	C. Caminade
11:50	Pl.5.8	Seasonal climate prediction for agro-ecological zones of Nigeria as an early warning tool for enhanced agricultural productivity and food security	E. Afiesimama
12:10	Pl.5.9	The improvement in seasonal forecasting systems for malaria prediction in Africa in the 10 years of AMMA	A. Morse
12:30	Pl.5.10	Cordex-Africa: Transforming downscaled climate data into useful information	C. Lennard
12:50-13:00		Announcement of the parallel and posters sessions	
13:00-14:00		Lunch break on site	

14:00-15:30 **Poster sessions Po 6A, Po 6B-8D, Po 9A**

15:30-18:30 **Parallel sessions 6** **6A, 6B, 6C, 6D**

6A - Intraseasonal variability and predictability I

Chair: O. Ndiaye - Secretary: P. Peyrille

15:30	Pr.6A.1	Real-time monitoring and forecast of synoptic-to-intraseasonal variability of the 2011 West African Monsoon	R. Roehrig
15:45	Pr.6A.2	Monsoon teleconnections with the extratropics in boreal summer	N. Hall
16:00	Pr.6A.3	A quasi-biweekly oscillation in the eastern equatorial Atlantic	G. De Coetlogon
16:15	Pr.6A.4	Eastward propagating intraseasonal variability within the African monsoon and its relationship with variations in AEW activity	S. Leroux
16:30	Pr.6A.5	A convectively coupled equatorial Kelvin waves impact on African easterly wave activity	M. Ventrice
16:45-17:15		Coffee Break	

6A - Intraseasonal variability and predictability II

Chair: O. Ndiaye - Secretary: P. Peyrille

17:15	Pr.6A.6	West African monsoon intraseasonal variability: a precipitable water perspective	E. Poan
17:30	Pr.6A.7	Intra-seasonal variability of the Congo basin climate system during 1979-2009	S. Zebaze
17:45	Pr.6A.8	Potential predictability and influence of the Atlantic Ocean on seasonal occurrence of extreme dry spells over the West African Sahel	S. Salack
18:00	Pr.6A.9	Predictability of 2011 rainfall intra-seasonal variability over Senegal from TIGGE data	O. Ndiaye
18:15	Pr.6A.10	Impacts of seasonal and 10-days forecasts on West African agriculture: evaluation of cropping practices and yield changes in Senegal using participatory workshops	P. Roudier

6B - CMIP5-I: Decadal variability

Chair: F. Hourdin - Secretary: E. Martin

15:30	Pr.6B.1	Decadal-to-multidecadal variation in Sahel Rainfall since 1950 and associated changes in the frequency of threshold-crossing seasonal rainfall totals	N. Ward
15:45	Pr.6B.2	Multi-decadal variability of West African rainfall in observations CMIP5 simulations	E. Martin
16:00	Pr.6B.3	Decadal predictability of West African monsoon rainfall and Atlantic tropical cyclones applying regional climate models	A. Paxian
16:15	Pr.6B.4	African easterly wave variability in CMIP5 past, present and future climate simulations	R. Cornforth
16:30	Pr.6B.5	Atlantic Cold Tongue in CMIP5 models: mean characteristics and interannual variability	A. Voltaire
16:45-17:15		<i>Coffee Break</i>	

6B - CMIP5-II: Climate change

Chair: F. Hourdin - Secretary: E. Martin

17:15	Pr.6B.6	Projecting changes in West African precipitation associated with global warming	R. James
17:30	Pr.6B.7	Simulation and future changes of the African monsoon through a pool of CMIP5 models	P.A. Monerie
17:45	Pr.6B.8	Analysis of the representation of the West African Climate in a set of CMCC climate model simulations	C. Wenhaji Ndomeni
18:00	Pr.6B.9	Changes in rainfall regime over Burkina Faso due to climate change	B. Ibrahim
18:15	Pr.6B.10	21st Century Climate Prediction for West Africa and the Sahel	J. Cretat

6C - Dust-aerosols and health

Chair: C. Liousse - Secretary: P. Yaka

15:30	Pr.6C.1	Advances in research on the relationships between climate, dust and Meningococcal Meningitis epidemics in West Africa in the AMMA frame	N. Martiny
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15:45	Pr.6C.2	Estimation of aerosol particle deposition in the respiratory tract of populations subject to traffic pollution in Bamako (Mali) and Dakar (Senegal), West Africa.	E. H. Doumbia
16:00	Pr.6C.3	Harmattan dust events over the Western Sahel: synoptic analysis	A. Favre
16:15	Pr.6C.4	Development and evaluation of a regional African anthropogenic emission inventory for gases and particles for 2005 and 2030	E. M. Assamoi
16:30	Pr.6C.5	Peaks of Acute Respiratory Infection among children in rural Benin: what about the role of the climate?	F. De Longueville
16:45-17:15	<i>Coffee Break</i>		

6D - Monsoon system: Land surface processes

Chair: H. Karambiri – Secretary: L. Seguis

17:15	Pr.6D.1	Surface-vegetation-atmosphere interaction on the upper Ouémé basin. Synthesis of the experimental results	S. Galle
17:30	Pr.6D.2	At last, two consecutive wet years (2010 and 2011) in the AMMA-CATCH northernmost site in Sahel! Consequences on surface conditions and fluxes	E. Mougin
17:45	Pr.6D.3	Upscaling runoff from plots to catchment scale: a case study in north sahelian Burkina Faso	L. Mounirou
18:00	Pr.6D.4	Deconvolution of the flood hydrograph in semi arid area	A. Dao
18:15	Pr.6D.5	Plant response to climate: lessons from four years of CO ₂ fluxes in pastoral Sahel	L. Kergoat

THURSDAY 5 JULY

09:00-12:50

Plenary Session 7 – African monsoon system

Chair: J.P. Lafore - Secretary: C. Flamant

09:00	Pl.7.1	Role of equatorial ocean dynamics for sea surface temperature variability in the eastern equatorial Atlantic and its relation to the West African monsoon	P. Brandt
09:20	Pl.7.2	Synthesis of four years of research development in oceanography and marine climate in Dakar University: scientific results and some major issues for the Atlantic Northern Eastern Tropical Upwellings System region	A. Lazar
09:40	Pl.7.3	Evaluation of CMIP5 models over West Africa†: focus on cloud representation and radiative feedbacks	D. Bouniol
10:00	Pl.7.4	Warming patterns over West Africa and repercussion on the annual cycle of temperature	F. Guichard
10:20	Pl.7.5	How parameterised deep convection generates model biases for the West African Monsoon system: A seamless assessment	J. Marsham
10:40-11:10	<i>Coffee Break</i>		
11:10	Pl.7.6	Satellite based rainfall estimation: Review of recent evaluation work in West-Africa and perspective in the Megha-Tropiques/GPM framework	M. Gosset
11:30	Pl.7.7	Monitoring vegetation with satellite and field observations: Is there desertification or re-greening in Sahel?	C. Dardel

11:50	Pl.7.8	The GHYRAF (Gravity and Hydrology in Africa) project using ground and space geodesy to constrain water storage changes: latest results in West Africa	L. Seguis
12:10	Pl.7.9	Vegetation dynamics, WAM variability, and external forcing in West Africa at seasonal-decadal scales - a study using the a biophysical/dynamic vegetation model	Y. Xue
12:30	Pl.7.10	The AMMA Land surface and hydrology Model Intercomparison Project (ALMIP) Phase 2 Overview: From local to mesoscales	A. Boone
12:50-13:00		Announcement of the parallel and posters sessions	
13:00-14:00		<i>Lunch break on site</i>	
14:00-15:30		Poster sessions Po 8A, Po 8B, Po 10	
15:30-18:30		Parallel sessions 8	8A, 8B, 8C, 8D
8A - Water resources quantification and management			
Chair: B. Ngounou Ngacha - Secretary: C. Peugeot			
15:30	Pr.8A.1	Ordinary vulnerabilities and responses, future adaptability to water crises in the Malien Sahel (Gourma)	S. Becerra
15:45	Pr.8A.2	Impact of climate variation, land use and land cover on livelihood system on tropical wetland: a case on Kadijal, Delta Central du Niger	C. H. Diakite
16:00	Pr.8A.3	Modeling of flow dynamics on catchment area Rufisque consideration of climate change application to structural design of hydraulic evacuation of rainwater	M. Faye
16:15-	Pr.8A.4	Hydroclimatic constraints for groundwater availability in the Volta River basin in Benin	S. H. Totin Vodounon
16:30	Pr.8A.5	Coastal morphology and livelihoods along Lekki coastline, Lagos, Nigeria	S. Odunuga
16:45-17:15		<i>Coffee Break</i>	
8A - Floods and extreme events			
Chair: A. Afouda - Secretary: T. Lebel			
17:15	Pr.8A.6	Rainfall variability and environmental problems in Senegal: Example of the recurring floods at Pikine	A. Ndiaye
17:30	Pr.8A.7	Flooding and groundwater quality in a peripheral urban zone: the case of the district of Ago-Zongo in Lom, Togo	K. Gnandi
17:45	Pr.8A.8	Exploring the frequency of hydroclimate extremes on the Niger River using Monte Carlo methods	A. Siebert
18:00	Pr.8A.9	Model of public-private partnership for flood disaster risk management in urban poor and vulnerable neighborhoods in Burkina Faso	P. Kinda
18:15	Pr.8A.10	AMMA and MET-OCEAN operational forecasting: a tool for sustainable management of the coastal area in West Africa	R. Folorunsho
19:30-22:30		<i>Gala Dinner at Hôtel Dieu (Toulouse downtown)- Bus from Meteo France</i>	

8B - Monsoon system: Dust I

Chair: R. Washington - Secretary: P. Knippertz

15:30	Pr.8B.1	Comparison between the mineral dust content simulated over Western Africa with the CHIMERE-DUST model and surface observations from the Sahelian Dust Transect	B. Marticorena
15:45	Pr.8B.2	Downscaling West African climate: a perspective for impact studies	B. Pohl
16:00	Pr.8B.3	Investigating Peak-wind Generating Mechanisms Driving Dust Emissions in West Africa	B. Heinhold
16:15	Pr.8B.4	What is the influence of surface properties on wind erosion in semi-arid regions? A modelling case study during AMMA	C. Bouet
16:30	Pr.8B.5	Intercontinental transport and climatic impact of Saharan and Sahelian dust	N. E Toure presented by A. Konare

16:45-17:15 *Coffee Break*

8B - Monsoon system: Dust II

Chair: R. Washington - Secretary: P. Knippertz

17:15	Pr.8B.6	The evolution of the Saharan Boundary layer thermodynamics and composition in connection with intra-seasonal pulsations of the West African Heat Low	C. Flamant
17:30	Pr.8B.7	Meteorology and dust in the central Sahara: Observations from Fennec supersite-1 during the June 2011 Intensive Observation Period	J. Marsham
17:45	Pr.8B.8	Verification of mesoscale dust forecasts over the Sahara during FENNEC 2011	J.P. Chaboureau
18:00	Pr.8B.9	The Saharan heat low and the West African Monsoon - Simultaneous aircraft observations from Fennec	S. Engelstaedter
18:15	Pr.8B.10	Impacts of the dust on the West African synoptic components and rainfall in summertime	C. Lavaysse

19:30-22:30 *Gala Dinner at Hôtel Dieu (Toulouse downtown)- Bus from Meteo France*

8C - Intraseasonal variability and predictability III

Chair: N. Hall - Secretary: S. Leroux

15:30	Pr.8C.1	A two-dimensional idealized modeling of the West African Monsoon annual cycle	P. Peyrille
15:45	Pr.8C.2	Air-sea interaction in the Gulf of Guinea at intraseasonal timescales: wind bursts and coastal precipitation in boreal spring	M. Leduc- Leballeur
16:00	Pr.8C.3	The role of synoptic scale dry-air intrusions on the West African monsoon onset using regional modeling and nudged climate simulations. Application to the monsoon onset of 2006	S. Bastin
16:15	Pr.8C.4	Seasonal forecasts for onset of the West African monsoon	M. Vellinga
16:30	Pr.8C.5	Are there rainfall-based predictive indicators for the onset of the rainy season in the Sahel?	T. Lodoun

16:45-17:15 *Coffee Break*

8D - CMIP5-III : Regional climate modelling

Chair: S. Bastin - Secretary: B. Pohl

17:15	Pr.8D.1	How well extreme rainfall events are captured by a regional climate model over West Africa	J. Cretat
17:30	Pr.8D.2	Low-level moisture transport associated with West African monsoon	M. Issa Lele
17:45	Pr.8D.3	Investigating West Africa monsoon dynamics associated with climate change trends under SRES A2 emission scenarios using a nesting strategy	A. Sarr
18:00	Pr.8D.4	Understanding and predicting the local scale climate drivers over Africa using the GA3-based regional climate model	W. Moufouma-Okia
18:15	Pr.8D.5	Present climate of West Africa: An evaluation of 9 CORDEX regional climate models	E. Gbobaniyi
19:30-22:30		<i>Gala Dinner at Hôtel Dieu (Toulouse downtown)- Bus from Meteo France</i>	

FRIDAY 6 JULY

09:00-10:30

Parallel sessions 9

9A, 9B, 9C

9A - Climate and health

Chair: A. Morse - Secretary: N. Martiny

09:00	Pr.9A.1	Predictability and control of Meningococcal Meningitis in African Sahelo-Soudanian countries by using climate	D. Yaka
09:15	Pr.9A.2	Space technology for public health applications: Tele-epidemiology - which contribution for Earth Observation satellite data?	C. Vignolles
09:30	Pr.9A.3	Using climate to forecast disease risk: case study of the 2010 Rift Valley Fever outbreak over Mauritania	J. A. Ndione
09:45	Pr.9A.4	Monitoring the hydrological dynamic of the ponds to control the environmental-depending diseases: the case of the Rift Valley Fever (RVF) in Barkedji	M. Bop
10:00	Pr.9A.5	A combined statistical-dynamical approach to modeling spatio-temporal variations of malaria risk	R. Lowe
10:15	Pr.9A.6	Observation and modeling of malaria Ferlo (Senegal): preliminary results	I. Diouf
10:30-11:00		<i>Coffee Break</i>	

9B - Monsoon system: Land surface models

Chair: Y. Xue – Secretary: A. Boone

09:00	Pr.9B.1	How can point rainfall data be best used to drive land surface models in the Sahel?	B. Cappelaere
09:15	Pr.9B.2	Water balance and herbaceous growth by the STEP model over the Gourma region in Mali (ALMIP2 project)	M. Grippa
09:30	Pr.9B.3	Local-scale modeling of land surface processes in the cultivated Sahel (AMMA-CATCH Niger)	C. Velluet

09:45	Pr.9B.4	Propagation of satellite rainfall products uncertainty or biases in a hydrological application: test in the Oueme basin in Benin and perspectives for hydrological validation of rainfall products	M. Gosset
10:00	Pr.9B.5	Evaluation of the water cycle as simulated by land surface models. Case study on the upper Oueme basin (Benin)	C. Peugeot
10:15	Pr.9B.6	A new scheme for the lateral water redistribution of land surface models: case of the Oueme River basin	A. Getirana

10:30-11:00 *Coffee Break*

9C - Monsoon system: Ocean

Chair: P. Brandt – Secretary: A. Lazar

09:00	Pr.9C.1	Seasonal and intra-seasonal variability of the sea surface cooling in the Gulf of Guinea	Y. Du Penhoat
09:15	Pr.9C.2	Mixed Layer Heat Budget in the Equatorial Atlantic during the Cold Tongue Development in 2006	H. Giordani
09:30	Pr.9C.3	Role of vertical velocities in the cooling of the Atlantic cold tongue	G. Caniaux
09:45	Pr.9C.4	Oceanic mixed layer heat budget in the Eastern Equatorial Atlantic from ARGO floats	M. Wade
10:00	Pr.9C.5	Dynamic contributions to the sea surface salinity variations along the equator and the coast of the Gulf of Guinea	H. Berger
10:15	Pr.9C.6	Estimates of the air-sea CO ₂ flux in the gulf of Guinea during the EGEE cruises	K. U. Koffi

10:30-11:00 *Coffee Break*

11:00-12:45 **Plenary Session 10 – Research projects and links with AMMA**

Chair: E. Efiesimama – Secretary: D. Parker

11:00	Pl.10.1	The AMMA information system	L. Fleury
11:15	Pl.10.2	The RIPIECSA program: A contribution to Interdisciplinary Research initiatives on interactions between ecosystems and societies in a context of climate changes over West Africa	A. Diedhiou
11:30	Pl.10.3	The regional programme "SREC": an initiative to boost multidisciplinary innovations to design adaptations to climate changes in West Africa	J.L. Chotte
11:45	Pl.10.4	Climate observation networks, research and capacity building within the West African Science Service Centre for Climate Change and Adapted Land Use (WASCAL)	H. Kunstmann
12:00	Pl.10.5	Targeting climate research and services to development needs in Africa: The DFID-Met Office Hadley Centre Climate Science Research Partnership (CSR)	M. Vellinga
12:15	Pl.10.6	Participatory implementation of climate smart agriculture to increase the adaptive capacity of communities at CCAFS benchmark sites in West Africa: challenges and opportunities	A.S. Moussa
12:30	Pl.10.7	Regional Program of Physical Oceanography in West Africa (PROPAO, Gulf of Guinea: 2007-2010)	Z. Sohau

12:45-13:30

Discussion

13:30-14:30

Lunch break on site

14:30-16:30

Round table and closure

Chair: C. Thorncroft – Secretary: A. Diedhiou

POSTERS SESSION BY SESSION

2A - Vulnerability and adaptation I & II

Po.2A.1	Out of season agriculture as an adaptation strategy to climate change in the plain of Oti (Northern Togo): Statement and consequences	K. Batawila
Po.2A.2	Vulnerability and adaptation of producer to the climate change in dry area of Burkina Faso	A. Bilgo
Po.2A.3	Agricultural diversification in municipality of Djougou: environmental and social causes, repercussions on the production system	F. Gangneron
Po.2A.4	Past climate trends: modeling, local perceptions and adaptation in Benin	C.P. Gnangle
Po.2A.5	The links between climate change risk perception and adaptation in Sub-Saharan Africa: a meta-analysis	F. Kosmowski
Po.2A.6	The effects of climate change on coffee production and adaptability assessment in Nigeria	J. Lawal
Po.2A.7	Impact of climate change on agricultural research system and its mitigation options	K. Mmobuosi
Po.2A.8	The impacts of climate change on small scale farmers and their adaptation strategies in Eastern Africa	J. Kung'u
Po.2A.9	An agro-economic model to study farm adaptation to climate change and climate variability	A. Ricome
Po.2A.10	UNABLE TO ATTEND	A.G. Tchalaou
Po.2A.11	UNABLE TO ATTEND	E. Uwagboe
Po.2A.12	Vulnerability of irrigation schemes to excess rainfall: The perimeter of Kpinnou (District of Athiémé in Benin)	I. Yabi
Po.2A.13	Rainfall variability and cotton production in “Cotton zone of Northern” (Benin, West Africa)	I. Yabi
Po.2A.14	Climatic change in Senegal: Strategies of adaptations related to the rural migration towards Dakar	G. Yanon
Po.2A.15	Analysis of the awareness, impacts and adaptation to climate change among farmers in Delta state, Nigeria	C. Mesike
Po.2A.16	UNABLE TO ATTEND	O.E. Ayanfeoluwa
Po.2A.17	UNABLE ATTEND	M.A. Sarr
Po.2A.18	WASCAL - The West African Science Service Center on Climate Change and Adapted Land Use	P. Vlek
Po.2A.19	Building climate-resilient agricultural systems in Sub-Saharan Africa in partnership with the Africa Climate Exchange (AfClix)	R. Cornforth

2B - Monsoon system: Climate I & II

Po.2B.1	Is the February 2012 abnormal weather over West Africa due to climate change? The case of Ghana	B. Lamptey
Po.2B.2	The role of ocean monsoon variability and extreme precipitation events in Nigeria	O. Ediang
Po.2B.3	Analyzing recent climate trends in African rainfall using satellite data	R. Maidment

Po.2B.4	Comparison of NCEP/NCAR and ECMWF reanalysis data, CRU and GPCP observed data with TIGGE databases over Central Africa	G. Fouelefack Mbouna
Po.2B.5	Response of the West African monsoon to changes in the Atlantic Equatorial	T. Losada
Po.2B.6	Dipole index of the Tropical Atlantic and precipitation regime in Ivory Coast	I. Bamba
Po.2B.7	Spatial and temporal analysis of the variability at mesoscale of the Sahelian rainfall regime since the 1950's	A. Rossi
Po.2B.8	The main time-scales of precipitation variability in North Cameroon and associated changes in rainfall distribution	A. Rossi
Po.2B.9	UNABLE ATTEND	M.A. Sarr
Po.2B.10	Association between Ethiopian rainfall variability and global climate teleconnection: Model evaluation	M.A. Degefu
Po.2B.11	Climatology investigation of surface duct conditions over Douala, Cameroon	A. Lenouo
Po.2B.12	Contribution of the AMMA and RIPIECISA programs in Research and Training in Africa: Example of LPAOSF of the ESP at the Cheikh Anta Diop University in Dakar	S.M. Sall
Po.2B.13	Development of historical meteorological data records for Ghana	D.S. Pokperlaar

2C - Monsoon system: Clouds-convection I & II

Po.2C.1	Comparative study of the West African continental, coastal and marine atmospheric profiles during the summer 2006	I.K. Kante
Po.2C.2	Analysis of oceanic surface conditions preceding the strengthening and dissipation of convective systems off West African coasts	A.L. Dieng
Po.2C.3	Extreme event analysis of 1 st September 2009 in Burkina Faso	A.A. Balde
Po.2C.4	Predictability of Sahelian heavy rainfall events during August and September 2009	A. Diongue-Niang
Po.2C.5	Impact of surface heterogeneities on convective initiation in the Sahel	A. Gounou
Po.2C.6	Impact of surface and atmospheric conditions on mesoscale convective system trajectories	T. Pellarin
Po.2C.7	Daytime initiation of deep convection in the Sahel: models versus satellite observations	F. Guichard
Po.2C.8	Solitary waves in the Sahelian daytime boundary layer: A new mechanism for secondary triggering of deep convection	A. O'Leary
Po.2C.9	Estimation of cloud radiative impacts over West Africa: seasonal and meridional patterns	O. Geoffroy
Po.2C.10	Are detailed Cloud Climatologies useful for West Africa?	M. Douglas
Po.2C.11	Microphysics in West African squall lines: space-time variability of the dominant particle type analyzed with an Xband polarimetric radar and an Hydrometeor Identification Scheme	F. Cazenave
Po.2C.12	Modeling of the diurnal cycle in the lower atmosphere over land: a joint evaluation of four contrasted regimes	F. Couvreux
Po.2C.13	Life-cycle of a local mesoscale convective system observed in Niamey as simulated by the LMDZ general circulation model	C. Rio
Po.2C.14	Characterization of the clear convective ABL and the transition processes to deep convection over semi-arid regions	D. Westra
Po.2C.15	Some observational evidence for dry soils supporting cumulus onset	D. Westra

Po.2C.16	Impacts of West African deforestation on locally-generated rainfall	L. Garcia-Carreras
Po.2C.17	The Fundamentals of Weather Forecasting in West Africa	B. Orji
Po.2C.18	Challenges and its implication of West Africa monsoon prediction in a changing coastal climate: a Case in Nigeria	O. Ediang
Po.2C.19	The predictability of dry-season precipitation in Tropical West Africa	P. Knippertz
Po.2C.20	Identification of unusual weather states causing heavy areal precipitation in West Africa	J. Bliefernicht
Po.2C.21	Synoptic climatology over Senegal during the summer at two time scales	A.K. Gueye
Po.2C.22	A case of dry intrusion and anomalous sea warming over Gulf of Guinea	K. Diakaria

4A - Vulnerability and adaptation III & IV

Po.4A.1	Correlation Study on Developmental Stages in Soybean (Glycine max) and Prevailing Agro-meteorological Indices in Forest Savanna Eco-climatic Zone of Nigeria	A. Adetayo
Po.4A.2	Estimation of annual carbon sequestration by a mixed savanna under a Sudanian climate in Benin (West Africa)	E.E. Ago
Po.4A.3	Empirical Assessment of Temperature, Rainfall and Relative humidity on the population of <i>Coelaenomenodera elaeidis</i> (Coleoptera – Chrysomelidae), a pest of the Oil Palm in Nigeria	T. Aneni
Po.4A.4	Quantitative assessment of the annual fodder production at district scale from MODIS product time series and field site measurements	Y. Auda
Po.4A.5	Soil vulnerability reduction in front of water deficit through organic matter input	A. Badiane
Po.4A.6	Analysis of intra-seasonal rainfall variability in the Ferlo (Senegal), in relation with surface characteristics (vegetation)	S. Cisse
Po.4A.7	Retreat of the vegetation cover in the classified forest of Koutal: a question of climate change or anthropisation?	B. Faye
Po.4A.8	Management of the shea parklands towards climate change adaptation in Northern Benin	P.C. Gnangle
Po.4A.9	The role of breeding livestock on family vulnerability to climate and societal changes in Dantiandou, Niger	P. Hiernaux
Po.4A.10	UNABLE TO ATTEND	M.S. Keita
Po.4A.11	Monitoring straw and litter masses with MODIS during the dry season in Sahel	D. Jaques
Po.4A.12	Consumption and Conservation of Drylands' Indigenous Fruit Trees as an adaptation to climate change and variability for Rural Livelihood Improvement in Eastern Africa	J. Kung'u
Po.4A.13	UNABLE TO ATTEND	S. Maïga Yaleu
Po.4A.14	Retrieving land use and cover change in the Sahel at local scale from aerial photographs of the last decades	C. Mering
Po.4A.15	Hydro-meteorological variability and adaptation of the population in the massif forest of south Cameroon	O.F. Mochive

Po.4A.16	UNABLE TO ATTEND	A.B. N'Dri
Po.4A.17	UNABLE TO ATTEND	J.L. San Emerito
Po.4A.18	Assessment of seasonal rainfall variability and its impact on vegetation dynamics based on Normalized Differential Vegetation Index (NDVI) in the Southern United States	C. Sohoulane Djebou
Po.4A.19	Impact of deforestation on precipitation in Central Africa	B. Sonfack
Po.4A.20	Impact of land use changes on the climate in West Africa	S. Sy

4B - Monsoon system: Water cycle & Remote sensing hydrology

Po.4B.1	Monitoring of spatial and temporal variations in water storage near an endorheic pond in the Sahel with magnetic resonance sounding and gravity measurements	M. Boucher
Po.4B.2	Annual and Seasonal energy budget variability of a fallow and a clear forest in Sudanian climate	O. Mamadou
Po.4B.3	Spatial and temporal dynamics of soil water in the root zone over different sandy sites in the Sahel	M. Grippa
Po.4B.4	Evaluation of land water storage changes over West Africa estimated by GRACE and by land surface models	M. Grippa
Po.4B.5	Improvement of surface soil moisture estimation under the Asian Monsoon climate via Ensemble Kalman Filter	J.H. Lee
Po.4B.6	Water budgets at the land surface in the monsoon system: state of the art and future challenges	C. Peugeot
Po.4B.7	Monitoring variability of vegetation in the upper Oueme basin in Benin: Comparison of LAI computed from MSG-SEVIRI, MODIS and ECOCLIMAP2	T.P.T. Do
Po.4B.8	Collapse of a tiger bush vegetation and run-off changes during a 55 years period (1955-2010) as observed by remote sensing	V. Trichon
Po.4B.9	The impact of the assimilation of SWOT satellite data into a large scale hydrological model parametrization over the Niger basin	V. Pedinotti

4C - Seasonal prediction

Po.4C.1	Seasonal Temperature Prediction Using Monthly Indices Model	V. Ituk
Po.4C.2	Impacts of the tropical Pacific/Indian oceans on the seasonal cycle of the West African monsoon	E. Mohino
Po.4C.3	Changes in the interannual SST-forced signals on West African rainfall. AGCM intercomparison	E. Mohino
Po.4C.4	The role of the oceanic background state on the Atlantic Equatorial Mode impacts	B. Rodriguez-Fonseca
Po.4C.5	Extreme rainfall in West Africa: A regional modeling	G. Panthou
Po.4C.6	An analysis of the West African Monsoon predictability	S. Materia
Po.4C.7	Integrating dynamical products into national and regional climate forecasts	M. Kilavi

4D - Monsoon system: Clouds-convection III

Po.4D.1	Exploring ongoing MetUM model issues for Africa	C. Bain
Po.4D.2	An evaluation of the Unified Model Runs of Orographic Rainfall over sub-Saharan North Africa with Observational Data	D. Finch

Po.4D.3	Sensitivity of simulations with a meso-scale model over West Africa to atmospheric boundary data, boundary layer parameterization and resolution	K. Schepanski
Po.4D.4	The GA3 systematic biases over Central Africa and their interactions with model errors in remote monsoon regions	W. Moufouma-Okia
Po.4D.5	Validation of the models of climate in West Africa	T. Diedhiou
Po.4D.6	UNABLE TO ATTEND	C. Niang
Po.4D.7	Characterization of pre-storm, stormy, and post-storm with LMDZ model and ERA-Interim reanalysis in summer 2006 in Conakry	A.A. Diallo
Po.4D.8	Representation of convective systems life cycle with the model LMDZ during the AMMA 2006 campaign	Y. Sane
Po.4D.9	UNABLE TO ATTEND	O. Bock
Po.4D.10	Water Vapor Estimation over Nigeria using the Nigerian Permanent GNSS Network	J.D. Dodo

6A - Intraseasonal variability and predictability I & II

Po.6A.1	The influence of the MJO on the initiation of African Easterly waves	G. Alaka
Po.6A.2	Seasonal and intra-seasonal variability of the West African monsoon	S. Janicot
Po.6A.3	Intraseasonal variability of convection in Central Africa: analysis of a near 15-day variability mode	P.H. Kamsu Tamo
Po.6A.4	Intraseasonal atmospheric variability and its interannual modulation in Central Africa	A. Tchakoutio Sandjon
Po.6A.5	Investigating West African monsoon variability in the context of the GLACE framework	R. Comer
Po.6A.7	Toward a better grasp of monsoon in West Africa	K.S. Edjame
Po.6A.8	Characterization of the West African Heat Low using AMSU-A sounder	C. Lavaysse
Po.6A.9	10-25-day intraseasonal variability of convection over the Sahel: a role of the Saharan Heat Low and mid latitudes	R. Roehrig
Po.6A.10	Looking at vulnerability of rural households to food insecurity from two perspectives. Insights from CLICO/Niger and WASCAL/Burkina Faso	J. Kloos
Po.6A.11	Parameterizing local sorghum varieties in crop models for the development of sowing advisories to farmers of the Sudanian and Sahelian zones of West Africa	S. Traore

6B - CMIP5 I & II: Decadal variability & Climate change

Po.6B.1	Health Impact Models Intercomparison: The example of Malaria over West Africa	C. Caminade
Po.6B.2	Future changes of the West African monsoon at medium-term time horizon through a pool of CMIP3 models	P.A. Monerie
Po.6B.3	Tests of hydrological scenarii on Bani river in West Africa	J.E. Paturel
Po.6B.4	Climate impacts on vegetation productivity and water cycle over African continent: analysis of global vegetation model simulations	A.K. Traore
Po.6B.5	Uncertainty in future projections of rainfall changes over the Guinea coast and Central Africa regions from ensembles of global and regional climate models	W. Moufouma-Okia

Po.6B.6	Decadal variability of the West African monsoon in CMIP5 control run models	A.K. Gueye
Po.6B.7	Multidecadal variability of the North Atlantic in CMIP5 models and relationship with Sahelian rainfall	J. Villamayor
Po.6B.8	Sahel rainfall and decadal to multi-decadal sea surface temperature variability	E. Mohino
Po.6B.9	ESCAPE: Environmental and Social Changes in Africa: Past, present and future	B. Sultan
Po.6B.10	Evaluation of West African Monsoon processes and feedbacks: Second WAMME (West African Monsoon Modeling and Evaluation Project) Experiment	Y. Xue

6D - Monsoon system: Land surface processes

Po.6D.1	Heterotrophic respiration: what importance for two Sahelian ecosystems carbon balance?	N. Boulain
Po.6D.2	Hydrodynamic behavior of crusted soils in the Sahel: a possible cause for runoff increase?	M. Malam Abdou
Po.6D.3	Increase in runoff and erosion cause an enhancement of catchment areas in exorheic areas of the Sahel	I. Mamadou
Po.6D.4	Patches contributions to turbulent surface fluxes measured by AMMA eddy covariance stations	F. Timouk
Po.6D.5	Application of nTopAmma hydrological model to Kolondieba transboundary catchment (Bani sub-catchment in Mali)	B. Kamagate
Po.6D.6	Sap flow measurements on two contrasted woody cover in Northern Benin: new results and perspectives	B.K. Awessou

8A - Water resources and management ; Floods and extreme events

Po.8A.1	New landforms and deep infiltration in Sahelian endorheic basins	E. Le Breton
Po.8A.2	Climatic variability and its impact on the hydrological regime in the central delta of Niger	S.S. Traore
Po.8A.3	Hydro-chemical analysis and evaluation of groundwater quality in parts of Lagos, Nigeria	I. Akoteyon
Po.8A.4	Heavy metal concentration of surface water receiving industrial effluents from Oluyole Industrial Estate, Ibadan, Nigeria	A. Adetayo
Po.8A.5	Influence of human activities on the hydrological regime of the Logone River basin from 1960 to 2000	N. Tellro Waï
Po.8A.7	Climate change perception and adaptation strategies among farming/fishing households along the coastlines of the Atlantic Ocean in Nigeria	T. Apata
Po.8A.8	Impacts of the West African Monsoon system induced extreme events on urban water supplies in coastal Nigeria	J. Ezeji
Po.8A.9	Climate change and surface water resource mobilization for agricultural purposes in the Okpara Basin (West Africa)	R. Ogouwale
Po.8A.10	Analysis of the dynamics of the coastline of Benin coast	C.G.E. Degbe
Po.8A.11	The highest red flood of the Niger River ever recorded in Niamey: climate change or land use change?	L. Descroix
Po.8A.12	Predictability of high waters with conceptual model GR2M in the Zou basin in Benin (West Africa)	E. Vissin
Po.8A.13	Application of a climate and socio-economical scenarisation on a watershed in West Africa	T. Fowe

Po.8A.14 The impact of water availability and weather variations on trans-boundary water management in Africa E. Delbourg

8B - Monsoon system: Dust I & II

Po.8B.1 RAIN4DUST: a multi-observational characterisation of dust emission from alluvial sources K. Schepanski

Po.8B.2 The role of the monsoon flow for dust emission in the central Sahara: results from Bordj Mokhtar, Algeria C.J.T. Allen

Po.8B.3 Is a change in roughness length the cause of the recent decrease in Sahelian dust emission? S. Cowie

Po.8B.4 Identification of weather types in M'Bour (Senegal) and implication on the relationship between PM10 concentrations and Aerosol Optical Depths F. Kaly

Po.8B.5 Relationship between dust surface concentration (PM10) and aerosol optical depth (AOD) over the Sahel as a function of weather types H. Yahi

Po.8B.6 The regional climate model (RegCM3) simulation of dust impact on Sahel climate during 2006 M.S. Drame

Po.8B.7 Modeling of desert dust cycle and its impact on West African monsoon M. Gueye

Po.8B.8 Modeling of dust diurnal life cycle over West-Africa C. Kocha

Po.8B.9 The importance of the representation of deep convection for modeled dust-generating winds over West Africa during summer J. Marsham

Po.8B.10 The formation and behaviour of a large Saharan haboob A. Roberts

Po.8B.11 Turbulence, stratification and mixing in the Saharan atmospheric boundary layer L. Garcia-Carreras

Po.8B.12 The effect of orography on stratification in the summertime Saharan boundary layer: dynamics and implications for dust transport C. Birch

Po.8B.13 Climatology of Nocturnal Low-Level Jets over North Africa and implications for simulating mineral dust emission S. Fiedler

Po.8B.14 The Low-Level Jet phenomenon in North-African deserts: an idealized Large Eddy Simulation study B. Heinold

Po.8B.15 The Desert Storms Project – Towards an Improved Representation of Meteorological Processes in Models of Mineral Dust Emission P. Knippertz

Po.8B.16 How a dusty cold pool can change the evolution of the Saharan atmospheric boundary layer C. Kocha

Po.8B.17 In remembrance of Laurent Gomes S. Crumeyrolle

Po.8B.18 Dry deposition of nitrogen compounds (NO₂, HNO₃, NH₃), sulfur dioxide and ozone in West and Central Africa M. Adon

Po.8B.19 Biogenic nitrogen oxide emissions from soils in the Sahel: effect of soil moisture and vegetation on soil N cycle C. Delon

Po.8B.20 Chemical composition of size segregated atmospheric aerosols collected in Djougou, Benin M.R. Ouafu Mendo Leumbe

Po.8B.21 Measurement of NO₂, NH₃, SO₂, HNO₃ and O₃ concentrations in West Africa urban sites V. Yoboue

Po.8B.22 UNABLE ATTEND E. Marais

8D - CMIP5 III: regional climate modeling

Po.8D.1	Downscaling West African climate: uncertainties, sensitivity to the model physics, and regional variability	B. Pohl
Po.8D.2	Evaluation of the UK Met Office's HadGEM3-based regional climate model over the Greater Horn of Africa (GHA)	G. Sabiiti
Po.8D.3	Diurnal cycle and intraseasonal variability of rainfall over West Africa using CORDEX Models	N.A.B. Klutse
Po.8D.4	Regional climate model sensitivity to domain size for the simulation of the West African summer monsoon rainfall	N.A.B Klutse
Po.8D.5	Schemes applied on West Africa: a AMMA case - 25-26 July 2006	D. Pollack
Po.8D.6	Validation of a WRF model simulation over West Africa and Senegal in summer 2006	B.A. Sow
Po.8D.7	Influence of the South Atlantic Ocean dipole on West African summer monsoon precipitation	H. Nnamchi
Po.8D.8	Analysis and intercomparison of Regional Climate Models over West Africa	M. Camara
Po.8D.9	Assessment of the hydrological impacts of climate change in the upstream of the Nakanbé basin in Burkina Faso	B. Ibrahim
Po.8D.10	Preliminary analysis of the representation of the West African monsoon in two ERA-interim forced WRF simulations performed in the framework of the CORDEX project: focus on the pre-onset period	S. Bastin
Po.8D.11	The performance of WRF model setup, physics and parameterization schemes to reproduce observed precipitation characteristics in West Africa	J. Bliefernicht
Po.8D.12	Spatiotemporal variability of hydroclimatic extremes simulated by the CORDEX models: preliminary results of a comparative study between AMMA and HyMeX regions	J. Zwiebel
Po.8D.13	Assessing the improvement of severe weather prediction over Western Africa in WRF by a 3DVAR data assimilation system using Prepbufr observational data	M.P. Igri
Po.8D.14	Influence of sea surface temperature (SST) on simulations of a regional climate model (RCM)	B. Kouassi
Po.8D.15	Evaluation of probabilistic precipitation forecast determined from WRF forecasted amounts	R.S. Tanessong
Po.8D.16	Evaluation of the West African monsoon cloud structure in the UM using CloudsSat	T. Stein
Po.8D.17	Regional model study of precipitation diurnal cycle in the Central Africa region	D.A. Vondou

9A - Climate and health

Po.9A.1	Climate and malaria in Guinea	A. Barry
Po.9A.2	UNABLE TO ATTEND	S. Danuor
Po.9A.3	Climatology and premature baby	T.S. Diallo
Po.9A.4	Impact of climate change on tick-borne borreliosis distribution in West Africa	G. Diatta
Po.9A.5	Climate impact on population health, determination of seasonal incidence of malaria by using a biological model (Liverpool malaria model)	I. Diouf
Po.9A.6	Satellite remote sensing of particulate matter in the atmosphere of Dakar, Senegal	J.F. Leon
Po.9A.7	Enhancing raingauges network in the Barkedji Health and Environment Observatory: perspectives with regards to Rift valley fever emergence	M. Ly

Po.9A.8	Urban dynamics and climate variability: impact on population health and the environment in the Municipality of Kaolack	N.K. Ndiaye
Po.9A.9	Monitor, predict and prevent epidemics: the contribution of tele-epidemiology in Rift Valley fever (RVF) studies in Barkedji (Ferlo, Senegal)	J.A. Ndione
Po.9A.10	Climate Change and its impacts on Urinary Schistosomiasis	S. Tay Crowther

9B - Monsoon system: Land surface models

Po.9B.1	Quantification of the skill of a Dynamic Global Vegetation Model to simulate the Sahelian vegetation	P. Brender
Po.9B.2	Over a decade of eco-hydrological modeling in South-West Niger (Amma-Catch-Niger meso-site): what has been learnt and what could still be?	B. Cappeleare
Po.9B.3	Modelization of temperature and precipitation with a exponential-poisson composite law	P.C. Choumbou
Po.9B.4	The AMMA Land surface Model Intercomparison Project – phase 2 (ALMIP-2): Preliminary analysis of local and meso scales runs over the AMMA-Niger site	J. Demarty
Po.9B.5	Conceptual model of Ivorian sedimentary coastal basin: Case of Abidjan Continental Terminal Aquifer	F.A. Kouassi
Po.9B.6	Hydrological models influence on modelling of contributions regarding climate change: An application on Okpara basin	R. Ogouwale
Po.9B.7	A reference data set for land surface modeling at the local and meso scale in West Africa	C. Peugeot
Po.9B.8	Hydrodynamic modeling of a cultivated hill slope under Sudanian climate (North Benin)	A. Richard
Po.9B.9	Stochastic simulation of high resolution rain fields conditioned by rain gage measurements over the AMMA-CATCH Niger Observatory	T. Vishel
Po.9B.10	UNABLE TO ATTEND	A. McNally
Po.9B.11	Forcing a land surface model with satellite-derived biophysical products in the Sahel: Impacts of various sources on the simulated energy and water cycles	P.A. Solignac

9C - Monsoon system: Ocean

Po.9C.1	Coastal Observing System along West African coasts: efforts and progress in sea level monitoring	A. Aman
Po.9C.2	Detailing the equatorial kelvin waves contribution to the equatorial upwelling SST variability at intraseasonal timescale in the Atlantic	M. Wade
Po.9C.3	UPSEN: an ocean observing program aimed to estimate vertical and horizontal fluxes of mass and nutrients over the Senegalese upwelling	A. Lazar
Po.9C.4	Strong CO ₂ anomalies in the tropical Atlantic in 2010 following the 2009 Pacific ENSO	N. Lefevre
Po.9C.5	The AWA project: Ecosystem Approach to the management of fisheries and the marine environment in West African waters	P. Bremer
Po.9C.6	Atlantic cold tongue and West African monsoon investigation by Non-Linear Principal Component Analysis	S. Kenfack Sadem

Po.9C.7	Seasonal mixed-layer salinity balance in the tropical Atlantic Ocean	C.Y. Da-Allada
Po.9C.8	Modeling the dynamics of the northern Gulf of Guinea using a new diffusive-advection schemes: TS SPLIT UP3	V. Kone
Po.9C.9	Influence of SST in the Gulf of Guinea on variability of the monsoon and rainfall in Côte Ivory: sensitivity study with the model RegCM	K. Kouadio
Po.9C.10	Characterization of the boreal summer upwelling at the northern coast of the Gulf of Guinea Derived from the PROPAO Network measurements	Y. Kouadio
Po.9C.11	From PROPAO to the project JEAI-ALOCGG: A contribution to the study of the upwelling and the ocean-climate relationships along the northern coast of the Gulf of Guinea	Y. Kouadio
Po.9C.12	The M2 OPA Masters education program in physical oceanography, Cotonou, Benin	N. Hall