

IV Workshop


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HyMeX

HYdrological cycle in Mediterranean EXperiment

8-10 June 2010

Area della Ricerca CNR

Bologna, Italy



B O L O G N A

WORKSHOP PROGRAMME

(update: 04.June.2010)

Tuesday, 8 June 2010

08:30 - 09:00	Registration
09:00 - 09:45	Opening session <ul style="list-style-type: none"> ♦ Welcome address (ISAC-CNR representative) ♦ Workshop introduction (P. Drobinski, V. Ducrocq, P. Lionello, and the HyMeX ISSC) ♦ WMO support to HyMeX (S. Nickovic) ♦ Practical information (S. Davolio)
T1 - Plenary session - WG objectives and program strategy (Chair: P.Lionello)	
09:45 - 10:15	T1.1 - Water budget of the Mediterranean Sea (WG1) <i>A. Mariotti, S. Somot, W. Ludwig</i>
10:15 - 10:45	T1.2 - Continental hydrological cycle and water resources (WG2) <i>I. Braud, A. Chanzy</i>
10:45 - 11:15	Coffee Break
T2 - Plenary session - WG objectives and program strategy (Chair: P. Drobinski)	
11:15 - 11:45	T2.1 - Heavy precipitation and flash-flooding (WG3) <i>G. Delrieu, A. Montanari, E. Richard, R. Romero</i>
11:45 - 12:15	T2.2 - Intense sea-atmosphere interactions (WG4) <i>K. Beranger, C. Estournel, B. Ivanean-Picek, S. Josey, K. Lagouvardos</i>
12:15 - 12:45	T2.3 - Social and vulnerability and adaptation capacity (WG5) <i>M.C. Llasat, C. Lutoff, I. Ruin</i>
12:45 - 14:00	Lunch
T3 - Plenary session - Science talks	
Water budget of the Mediterranean sea (Chair: M. Gacic)	
14:00 - 14:15	T3.1 - Recent changes in Mediterranean Sea water cycle <i>A. Mariotti</i>
14:15 - 14:30	T3.2 - Calculating the water and heat balances of the Eastern Mediterranean basin using ocean modeling and available meteorological, hydrological and ocean data <i>M. Shaltout, L. Arneborg, A. Omstedt</i>
14:30 - 14:45	T3.3 - Numerical estimate of river discharge in the Mediterranean basin <i>M. V. Struglia, G. Pisacane</i>
14:45 - 15:00	T3.4 - Lagrangian monitoring of the Mediterranean thermohaline properties and currents: Past results and future plans <i>P.-M. Poulain</i>
Heavy Precipitation, flash-floods and floods (Chair: S. Davolio)	
15:00 - 15:15	T3.5 - Cb-TRAM: Tracking and monitoring severe convection over the Mediterranean from onset over rapid development to mature phase using multi-channel Meteosat SEVIRI data <i>A. Tafferger, C. Forster, T. Zinner</i>
15:15 - 15:30	T3.6 - Analysis of storm structure, motion and interaction with the drainage basin properties for selected extreme flash floods in the Mediterranean area <i>M. Borga, P. Tarolli, D. Zoccatelli, F. Marra</i>
15:30 - 15:45	T3.7 - Measurement of alpine precipitation using an X-band polarimetric radar <i>A. Berne, M. Schneebeli, S. Jolivet</i>
15:45 - 16:00	T3.8 - Shallow Orographic Convection contribution to the water resources in Mediterranean <i>A. Godart, S. Anquetin, E. Leblois, J. D. Creutin</i>
16:00 - 17:00	Poster session and coffee break
17:00 - 19:00	PW1 - Parallel Working sessions
	PW1.1 - Long-term ocean observations (LOP-EOP): SSO-buoy-gliderns- Monitoring R/V cruises - satellite products <i>(Chairs: V. Cardin, L. Coppola, P.-M. Poulain)</i>
	PW1.2 - Long-term hydrometeorological observations (LOP-EOP): meteorological and hydrological sites and networks, satellite products <i>(Chairs: E. Anagnostou, G. Delrieu, G. Liberti)</i>
	PW1.3 - Societal and economical impacts: science objectives and implementation plan <i>(Chairs: I. Ruin, E. Grunfest)</i>

Wednesday, 9 June 2010

W1 - Plenary session - Science talks

Intense air-sea exchanges (Chair: S. Sofianos)

08:30 - 08:45	W1.1 - A refined Cyclogenesis tracking climatology in the Mediterranean for characterisation and predictability perspectives of autumnal intense wind events <i>B. Joly, P. Arbogast</i>
08:45 - 09:00	W1.2 - Complex properties of the Bora wind <i>I. Stiperski, B. Ivančan-Picek, V. Grubišić, A. Bajić</i>
09:00 - 09:15	W1.3 - Rapid upper ocean responses to intense meteorological events in mesoscale ocean-atmosphere regional modelling <i>C. Lebeaupin Brossier, K. Béranger, P. Drobinski</i>
09:15 - 09:30	W1.4 - QuickSCAT Observations of Extreme Wind Events over the Mediterranean and Black Seas during 2000-2008 <i>T. Chronis, V. Papadopoulos</i>

Heavy Precipitation, flash-floods and floods (Chair: V. Grubišić)

09:30 - 09:45	W1.5 - Verification of an integrated meteo-marine modeling chain with quantitative and qualitative methods <i>S. Mariani, M. Casaioli, B. Lastoria, A. Orasi, F. Catini</i>
09:45 - 10:00	W1.6 - Collection of witness reports and evaluation of prediction tools for flash flood events <i>J. J. Gourley, J. M. Erlingis, D. P. Jorgensen, Y. Hong</i>
10:00 - 10:15	W1.7 - Use of regional distributed hydrological modelling approaches for the design of catchment experimental set up within HyMeX <i>I. Braud, S. Anquetin, H. Roux, O. Vannier, M. M. Maubourguet, P. Viallet, B. Boudevillain, D. Dartus, J. D. Creutin</i>
10:15 - 10:30	W1.8 - Atlantic precursors of Mediterranean cyclones: modeling at kilometer scale <i>F. Pantillon, J.-P. Chaboureau, C. Lac, P. Mascart</i>
10:30 - 11:00	Coffee Break

W2 - Plenary session - Science talks

The continental hydrological cycle and related water resources (Chair: A. Montanari)

11:00 - 11:15	W2.1 - Do regional climate models reproduce the spatial distribution of monthly precipitation in the Mediterranean region better than global models? <i>P. Lionello, L. Congedi</i>
11:15 - 11:30	W2.2 - Land biogeophysical variables of the Mediterranean basin: to what extent can ERA-I be used to drive land surface models? <i>C. Szczypka, J.-C. Calvet</i>
11:30 - 11:45	W2.3 - Use of HYPROM to assess the Moraca river water potential <i>G. Pejanovic, M. Vujadinovic, S. Nickovic, V. Djurdjevic</i>
11:45 - 12:00	W2.4 - Precipitation Retrieval from Satellite within EUMETSAT's H-SAF <i>A. Mugnai, S. Dietrich, V. Levizzani, D. Casella, E. Cattani, F. Di Paola, M. Formenton, S. Laviola, P. Sanò</i>
12:00 - 12:15	W2.5 - The Coordinated Energy and water cycle Observations Project (CEOP) <i>S. Williams</i>

Societal and economic impacts (Chair: C. Llasat)

12:15 - 12:30	W2.6 - Prediflood: A French research project aiming at developing a road submersion warning system for flash flood prone areas <i>J.-P. Naulin, O. Payrastra, E. Gaume, G. Delrieu, P. Arnaud, C. Lutoff, B. Vincendon</i>
12:30 - 12:45	W2.7 - Consequences of the climate change on water scarcity in the Mediterranean basin <i>H. Nassopoulos, P. Dumas</i>
12:45 - 14:00	Lunch

W3 - Plenary session – Implementation Plan talks (Chairs: S. Gualdi, E. Anagnostou)	
14:00 - 14:20	W3.1 - SOP/EOP Implementation Plan - Overview for the Eastern Mediterranean Target Area <i>E. Anagnostou</i>
14:20 - 14:40	W3.2 – SOP/EOP Implementation Plan - Overview for the Adriatic Target Area <i>M. Borga, B. Ivanean-Picek</i>
14:40 - 15:00	W3.3 - SOP/EOP Implementation Plan - Overview for the Northwestern Mediterranean area <i>V. Ducrocq, G. Boni, A. Parodi</i>
15:00 - 15:12	W3.4 - Boundary layer balloons in the Mediterranean <i>C. Basdevant, A Doerenbecher, P. Drobinski, P. Durand, C. Fesquet, A. Vargas, N. Verdier</i>
15:12 - 15:24	W3.5 - Observations and products available from the Lightning Observation Task Team during HyMeX <i>C. Barthe, A. Bennett, H.-D. Betz, P. Blanchet, M. Chong, S. Coquillat, E. Defer, T. Farges, U. Finke, J.-F. Georgis, H. Höller, P. Krehbiel, K. Lagouvardos, P. Lalande, P. Laroche, G. Molinié, P. Ortéga, J.-P. Pinty, W. Rison, W. Schulz, S. Soula</i>
15:24 - 15:36	W3.6 - LAM-EPS activities: common scientific interests for HyMeX and TIGGE-LAM. <i>L. Descamps, A. Montani, T.Paccagnella</i>
15:36 - 15:48	W3.7 - HyMeX database <i>L. Fleury, K. Ramage, J.-L. Boichard, G. Brissebrat, S. Cloché, L. Mastrorillo</i>
15:48 - 16:00	W3.8 - Data Management needs in Hydrometeorological Institutes <i>T. Roschier, J. Ikonen, A. McDonald</i>
16:00 - 17:00	Poster session and coffee break
17:00 - 19:00	PW2 - Parallel Working sessions
	PW2.1 - Instrument deployment design over the TAs during SOP/EOP : mobile platforms (aircraft, balloons, radar,...) <i>(Chairs:C. Flamant, A. Vargas, O. Bousquet)</i>
	PW2.2 - Instrument deployment design over the TAs during SOP/EOP : ocean and air-sea fluxes <i>(Chairs:I. Taupier-Letage, R. Bozzano, H. Giordani)</i>
	PW2.3 - Modelling of the continental surfaces <i>(Chairs: M. Borga, I. Braud, A. Montanari)</i>
20:00	Conference diner

Thursday, 10 June 2010	
TH1 - Plenary session - Science talks	
Heavy Precipitation, flash-floods and floods (Chair: V. Homar)	
08:30 - 08:45	TH1.1 - The DTS-MEDEX-2009 campaign <i>A. Jansa, P. Arbogast, A. Doerenbecher, A. Genovés, S. Klink, D. Richardson, C. Sahin</i>
08:45 - 09:00	TH1.2 - A flash flood early warning system based on hydrometeorological simulation of ensemble weather forecasts <i>L. Alfieri, J. Thielen</i>
09:00 - 09:15	TH1.3 - Cloud-Resolving Ensemble Simulations of Mediterranean Heavy Precipitating Events: Uncertainty on Meso-Scale Initial Conditions vs Uncertainty on Lateral Boundary Conditions <i>B. Vié, O. Nuissier, V. Ducrocq</i>
09:15 - 09:30	TH1.4 - Impact of radar data assimilation on WRF simulations of the Aniene flood <i>I. Maiello, R. Ferretti, S. Gentile, M. Montopoli, E. Picciotti, G. Giuliani, F. S. Marzano</i>
Water budget of the Mediterranean sea (Chair: A. Mariotti)	
09:30 - 09:45	TH1.5 - The SMOS mission 6 months after launch: possibilities to study the water cycle in the Mediterranean region <i>J. Font</i>
09:45 - 10:00	TH1.6 - A Regional Earth System Perspective on the Water Budget over the Mediterranean Catchment Area <i>S. Calmanti, A. Dell'Aquila, P. M. Ruti, V. Artale, A. Carillo, F. Giorgi, G. Pisacane, G. Sannino, M. V. Struglia</i>
10:00 - 10:15	TH1.7 - Climate change in the Mediterranean Region: results from a global AOGCM coupled with an interactive high-resolution model of the Mediterranean Sea <i>S. Gualdi, E. Scoccimarro, A. Bellucci, P. Oddo, A. Sanna, E. Manzini, G. Fogli, A. Navarra</i>
10:15 - 10:30	TH1.8 - The impact of climate change on the hydrometeorological extremes in Northeast of Spain <i>M. Turco, M. C. Llasat, P. Quintana Seguí</i>
10:30 - 11:00	Coffee Break
11:00 - 13:00	PW3 - Parallel Working sessions
	PW3.1 - Regional climate modelling <i>(Chairs: P. Ruti, S. Somot)</i>
	PW3.2 - High-resolution modelling (incl. data assimilation) for intense events <i>(Chairs: C. Estournel, A. Montani, E. Richard)</i>
	PW3.3 - Instrument deployment design over the TAs during SOP/EOP : in-situ networks, sites and supersites <i>(Chairs: O. Bock, A. Chanzy, N. Karthoff, A. Jansa)</i>
13:00 - 14:15	Lunch
TH2 - Plenary session - IIP (Chair: J. Font)	
14:15 - 15:45	10' rendering for each of the 9 Parallel Working sessions
15:45 - 16:00	Coffee break
TH3 - Plenary session – general discussion and closing session	
16:00 - 17:00	