XVI Italian Congress of Agrometeorology - AIAM 2013

AGROMETEOROLOGY FOR ENVIRONMENTAL AND FOOD SECURITY

FLORENCE (Italy)
4th - 5th - 6th June 2013

Centro Congressi
Palazzo Incontri
Via dei Pucci 1, Firenze

Under the patronage and support of
Tuesday, 4th June 2013

9:00 – 10:30
REGISTRATION OF PARTICIPANTS AT: CENTRO CONGRESSI, PALAZZO IN CONTRI. VIA DEI PUCCI 1, FI.

10:30 – 11:10 - GREETINGS OF AUTHORITIES AND OFFICIAL OPENING OF THE CONFERENCE
SPEAKERS: C. Chiostri (Ass.to Agricoltura RT), A. Leoni (INEA), G. Maracchi (ECRF/FCS), P. S. Orlandini (DISPAA-UNIFI), Roselli (Ass.to Agricoltura Prov. FI), F. Rossi (CNR-IBIMET), F. Spanna (AIAM), G. Surico (Scuola di Agraria-UNIFI),

Session I: Technical-scientific development and modeling
(in Italian)

11:20 – 13:00
1. CARBON BALANCE IN A KIWI FRUIT ORCHARD THROUGH THE COMBINATION OF MICROMETEOROLOGICAL EDDY COVARIANCE AND LIFE CYCLE ASSESSMENT APPROACHES. - Federica Rossi, Osvaldo Facini, Nicola DiVirgilio, Teodoro Georgiadis, Marianna Nardino.

2. DEVELOPMENT OF AN AGROMETEOROLOGICAL MONITORING SYSTEM LOW COST AND OPEN SOURCE - Salvatore Filippo Di Gennaro, Alessandro Matese, Jacopo Primicerio, Lorenzo Albanese

3. A CLUSTERING ANALYSIS OF MESONET STATION NETWORK FOR RAIN AND TEMPERATURE IN FRIULI VENEZIA GIULIA. - Andrea Cicogna, Agostino Manzato

4. SIMULATION OF GRAZED GRASSLAND PRODUCTIVITY IN ETHIOPIAN HIGHLANDS. - Luigi Mariani, Simone Gabriele Parisi, Gianni Gilioli

5. INFLUENCE OF CLIMATIC VARIABLES AND SOIL WATER CONTENT ON THE SOIL MICROORGANISMS ACTIVITIES. - Laura Bardi, Federico Spanna, Giancarlo Bourlot, Irene Vercellino, Francesca Zoppellari

13:00– 14:00 - LUNCH

14:00 – 15:20
1. ANALYSIS AND VALIDATION OF METEOROLOGICAL FORECASTS IN PIEDMONT REGION. - Fabio Lazzarato, Federico Spanna, Nicola Loglisci, Claudio Cassardo, Raffaele Salerno

2. METEOROLOGY FOR METEOROLOGY IN AGRICULTURAL SITES - Francesca Sauna, Guido Raggetto, Roberto Deboli, Andrea Merlone

3. MODELLING WINTER SURVIVAL AND POTENTIAL DISTRIBUTION OF SESAMIA NON-AGROIDES UNDER CLIMATE CHANGE IN EUROPE - Andrea Maiorano, Marcello Donatelli

4. MONITORING SOIL ELECTRICAL RESISTANCE IN VINEYARDS - Giambattista Toller, Daniele Andreis, Aldo Biasi, Alessandro Biasi, Danilo Caset, Stefano Corradini, Andrea Faustini, Ugo Paternolli, Ivan Piffer, Gianrico Bartoli, Fabio Zottele

15:20 – 15:40 - COFFEE BREAK

15:40– 16:30 - PRESENTATION OF EXHIBITORS COMPANIES

16:30– 18:30 - ANNUAL MEETING OF AIAM MEMBERS
Wednesday 5th June 2013

Session II: Services and applications of agrometeorology
(in collaboration with WMO and COST - in English)

09:00 – 11:00

1. GOVERNANCE SCHEME FOR GIAM UNDER GFCS IMPLEMENTATION STRATEGY BY CAGM. - Byong-Lyo Lee, Federica Rossi, Raymond Matba, And Robert Stefanski

2. DCPC IMPLEMENTATION FOR WAMIS SERVICE. - Sungsoo Do, Sungboi Huh, O-Ung Kwon, Won Geun Eom, Byong-Lyo Lee

3. MODEL BASED ASSESSMENT OF AGRI-ENVIRONMENTAL MEASURE EFFECTS REGARDING THE WATER FRAMEWORK DIRECTIVE USING LONG TERM WEATHER DATA SERIES. - Kurt-Christian Kersebaum

4. ADAPDATION OF IRRIGATION UNDER CLIMATE CHANGE IN BULGARIA. Vesselin Alexandrov (COST Action ES1106)

5. PROJECTION OF THE CLIMATE CHANGE FOR ASIA REGION WITH THE HIGH-RESOLUTION AGCM BASED ON THE RCP SCENARIOS. - Jai-Ho Oh, Suimin Woo, Kyoung-Min Lee

6. ANALYSIS OF CROSS-COMPILER COMPATIBILITY FOR A CROP GROWTH SIMULATION MODEL USING C++ AND FORTRAN. - Kwang Soo Kim, Haneul Jeong

11:00 – 11:20 - COFFEE BREAK

11:20 – 13:00 - ROUND TABLE “ROLE AND OUTLOOKS OF AGROMETEOROLOGY FOR WATER SECURITY”

13:00 – 14:00 – LUNCH

14:00 – 15:30 - POSTER SESSION AND BEST THESIS AND BEST PAPER AWARDS

15:30 – 16:00 - COFFEE BREAK

16:00 – 18:00

1. ANIMAL WELL-BEING UNDER CLIMATE VARIABILITY AND CLIMATE CHANGE - A PROJECT EXAMPLE FOCUSING ON THE CATTLE FEEDLOT AND DAIRY INDUSTRIES IN AUSTRALIA. – Roger C. Stone

2. ENVIR: A WEBGIS TOOL FOR MANAGING PLANT/PEST/PATHOGEN INTERACTIONS - Riccardo De Filippi, Amelia Caffarra, Claudia Dolci, Shamar Droghetti, Emanuele Excel

3. VINIVERI - TECHNOLOGICAL INNOVATION FOR THE VINEYARD MANAGEMENT. - Federico Spanna, Tiziana La Iacona, Irene Vercellino, Augusto Cappellano, Marco Boeris Frusca, Andrea Molino, Paolo Mollo, Livio Torreno, Marco Vitali, Alessandra Ferrandino, Claudio Lavisolo, Massimo De Marzii, Laura Alemanno, Vittorio Rossi, Tito Caffi, Francesca Salinari, Giuseppe Serrao, Antonio Grasso, Alessandra Conti.

4. VINTAGE: DEVELOPMENT OF AN INTEGRATED SUPPORT SYSTEM FOR PRECISION VITICULTURE. - Gabriele Antonini, Stefano Campagnolo, Francesco Costa, Valerio Grosso, Vittorio Marletto, Jurij Nasimben, Vincenzo Tomei, Giulia Villani, Antonio Volta

5. INTEGRATED MULTI-SATELLITE SENSING MEASUREMENTS FOR SUPPORTING THE WORLD AGROMETEOROLOGICAL INFORMATION SERVICE (WAMIS).- John J. Qu, Xianjun Hao, Ray Matba, Rui Zhang (WMO-WAMIS)

6. THE IMPACT OF MICROCLIMATE ON VITICULTURE - Gianfranco Manes

19:30 - SOCIAL DINNER
Thursday 6th June 2013

Session III: Adaptation to climate variability and extremes
(in Italian)

09:00 – 10:40

1. CROP IRRIGATION REQUIREMENTS VALUATION THROUGH REMOTE SENSING. - F. Altobelli, P. Nino, S. Vanino, C. De Michele, F. Vuolo

2. OLIVE OIL ADAPTATION TO TEMPERATURE OF GROWTH. - Guido Bongi, Claudio Ranocchia

3. THE LATE 80s BREAKPOINT OF EUROPEAN CLIMATE AND THE CONSEQUENT CHANGE IN THE SPATIAL DISTRIBUTION OF RELEVANT CROPS. - Luigi Mariani, Simone Gabriele Parisi, Gabriele Cola, Osvaldo Failla

4. CARBON FOOTPRINT OF A AGROENERGY LOCAL SUPPLY CHAIN IN THE TUSCANY APPENNINE. - Anna Dalla Marta, Marco Mancini, Anna Maria Vignini, Francesca Orlando, Giampiero Maracchi, Simone Orlandini

5. INTEGRATED MASTER PLAN FOR ENVIRONMENTAL REGENERATION OF SILIGO LANDSCAPE IN SARDINIA. - Paolo Capece, Giovanna Mannu, Michele Fiori, Giuseppe Bianco, Simona Canu, Giuliano Urgge

10:40 – 11:00 - COFFEE BREAK

11:00 – 13:00

1. THE PHENOLOGICAL GARDEN OF VILLA MARGHERITA FOR THE MONITORING OF MEDITERRANEAN VEGETATION - Roberto Caterisano, Paola Grone, Luigi Mariani

2. PROJECTED CLIMATE IMPACTS ON THE NATURAL PASTURELANDS OF THE ITALIAN ALPS - Camilla Dibari, Giovanni Argenti, Marco Moriondo, Marco Bindi

3. AGRICULTURE, FOOD, ENVIRONMENT – FINDING THE BALANCE IS NOT A TRIVIAL PURSUIT. - Emanuele Eccel, Valentina Grasso, Francesca Altisi

4. DIMENSIONING OF FIELD DITCHES IN FUNCTION OF HEAVY AND FREQUENT PRECIPITATIONS. - Luigi Mariani, Gabriele Cola, Simone Gabriele Parisi

5. RELATION BETWEEN NDVI AND RAINFALL IN A APENNINES BEECH FOREST. - Enrico Marzini, Andrea Spisni, Gianfranco Lettieri

6. GREEN AND BLUE WATER FOR THE CULTIVATION OF TOMATO IN PUGLIA. - Domenico Ventrella, Luisa Giglio

13:00 – 13:30 - DISCUSSION AND CLOSURE OF WORK

13:30 – 14:30 – LUNCH

15:00 - visit to the museum of science (optional)