

AIQUA CONGRESS 2012

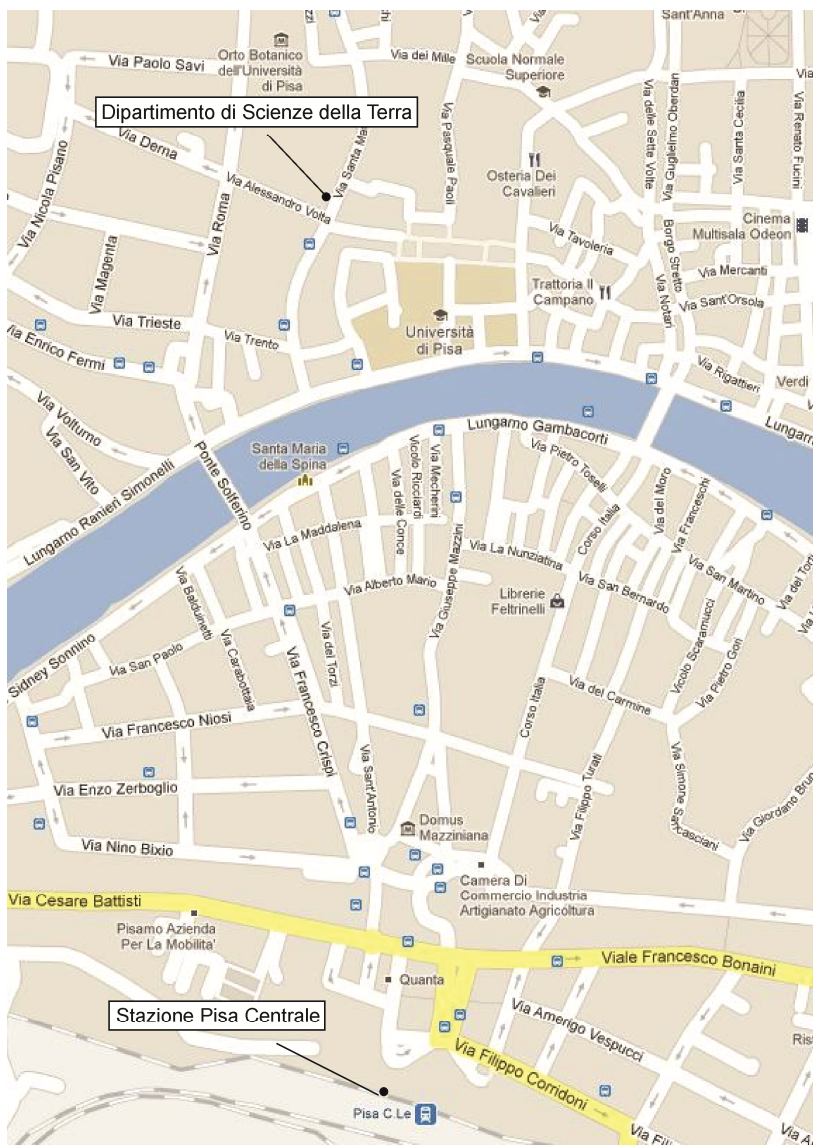
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THE TRANSITION FROM NATURAL TO ANTHROPOGENIC-DOMINATED ENVIRONMENTAL CHANGE IN ITALY AND THE SURROUNDING REGIONS SINCE THE NEOLITHIC

Pisa

15-17 February 2012

Venue: Dipartimento di Scienze della Terra, via S. Maria 53, Pisa



Under the auspices: Associazione Italiana di Geografia Fisica e Geomorfologia (AIGEO),
Associazione Italiana per la Vulcanologia (AIV), Comitato Glaciologico Italiano, Regione Toscana

Sponsorships: Beta Analytic-Radiocarbon dating

Oral presentations: English recommended, total 15 min, 10-12 minutes presentation
+ 3-5 min questions

Poster session: posters can be hanged for all the congress period, Authors should stay
at the poster accordingly to the timetable. Recommended poster sizes: 0.8 m (wide) x
1.2 m (height). English recommended.

Question times: additional time for a short final discussion of the sessions managed
by the chairmen

Meeting conclusion (Friday 17, 11.00-12.00): final discussion about the main topics
emerged during the sessions.

AIQUA Assembly (Friday 17, 12.00-13.30): annual assembly of AIQUA

PROGRAM
ORAL AND POSTER PRESENTATIONS

Wednesday 15

11.00-12.00 Congress introduction

14.00- 16.00 Session Marine proxy (Chairmen: Fabrizio Lirer, Lucilla Capotondi)

14.00-14.15 - Budillon F., Senatore M., Ferraro L., Insinga D.D., Iorio M., Lirer F., Lubritto C.: THE INNER SHELF STRATIGRAPHIC RECORD IN THE SALERNO GULF (SOUTHERN TYRRHENIAN SEA): AN ARCHIVE OF THE ENVIRONMENTAL CHANGES ALONG THE COAST OVER THE LAST 3 KY.

14.15-14.30 - Correggiari A.: NATURAL AND ANTHROPOGENIC IMPACT ON ADRIATIC SHELF DEPOSITION DURING LATE-HOLOCENE

14.30-14.45 - Sprovieri M., Sannino G., Sabatino N., Sprovieri R., Ribera d'Alcalà M., Artale V., Mazzola S.: SAPROELS AND THE ACHILLE'S HEELS OF THE MEDITERRANEAN.

15.00-15.15 - Caruso A., Cosentino C., Pierre C.: PALEOENVIRONMENTAL AND CLIMATIC CHANGES DURING THE LAST 25 KY ALONG A W-E TRANSECT ACROSS THE MEDITERRANEAN SEA

15.15-15.30 – Negri A., Venuti A., Colombo A., Sabbatini A., Morigi C., Capozzi R., Dinelli E., Spagnoli F., Florindo F., Vigliotti L.: THE LAST 12 KYR OF PALEOCLIMATIC AND PALEOCEANOGRAPHIC CHANGES AS RECORDED IN TWO DEEP CORES FROM THE ADRIATIC SEA

15.30-15.45 - Di Donato V., Forlano S., Martín-Fernández J.A., Russo Ermolli E.: COMPOSITIONAL ANALYSIS OF PLANKTIC FORAMINIFERA AS A TOOL FOR THE INVESTIGATION OF MIDDLE TO LATE HOLOCENE CLIMATE CHANGES IN THE WESTERN MEDITERRANEAN.

15.45-16.00 - Taricco C., Alessio S., Vivaldo G., Ghil M., : CLIMATE VARIABILITY IN THE LAST MILLENNIA REVEALED IN A CENTRAL MEDITERRANEAN CORE

16.00-16.15 Question Time

16.15-16.30 Coffee-Break

18.00-19.00 Poster session Marine proxy

- Cosentino C., Caruso A., Pierre C., Sulli A.: SEA-LEVEL AND CLIMATIC CHANGES DURING THE LAST 41,000 YEARS IN THE OUTER SHELF OF THE SOUTHERN TYRRHENIAN SEA: EVIDENCE FROM FORAMINIFERA AND SEISMOSTRATIGRAPHIC ANALYSIS

- Lirer F., Sprovieri M., Vallefucio M., Ferraro L., Cascella A., Capotondi L.: HOLOCENE CLIMATIC PHASES RECORDED IN THE SHALLOW WATER SOUTHERN-EAST TYRRHENIAN SEA MARINE SEDIMENTS

16.30-18.00 Session: Volcanic impact on ancient societies, tephrostratigraphy and correlation and synchronization of archives (Chairmen: Biagio Giaccio, Raffaello Cioni, Mauro Di Vito)

16.30-16.45 - *Smith V.C., Isaia R., Pearce N.J.G.*: TEPHROSTRATIGRAPHY AND GLASS COMPOSITIONS OF POST-15 KYR CAMPI FLEGREI ERUPTIONS: IMPLICATIONS FOR ERUPTION HISTORY AND CHRONOSTRATIGRAPHIC MARKERS

16.45-17.00 - *Caron B., Siani G., Sulpizio R., Zanchetta G., Paterne M., Santacroce R.*: LATE PLEISTOCENE-HOLOCENE TEPHROSTRATIGRAPHIC RECORD OF CORE MD90-918 (IONIAN SEA): INSIGHT FOR ACTIVITY OF ITALIAN VOLCANOES AND PALAEOENVIRONMENTAL RECONSTRUCTION.

17.00-17.15 - *Damaschke M., Wagner B., Zanchetta G., Sulpizio R., Aufgebauer A.*: TEPHROSTRATIGRAPHIC STUDIES ON A SEDIMENT CORE FROM LAKE PRESPA

17.15-17.30 - *Giordano R., Sulpizio R., Caggianelli A.* : MINERAL PHASES AS A TOOL FOR ROBUST CORRELATION OF PROXIMAL-DISTAL ASH DEPOSITS IN THE CENTRAL MEDITERRANEAN AREA.

17.30-17.45 - *Di Vito M.A, Castaldo N., de Vita S., Piochi M., Zarella E., Vecchio G., Lanza R., Tema Evdokia T.*: HUMAN COLONIZATION AND VOLCANIC ACTIVITY IN THE EASTERN CAMPANIA PLAIN (ITALY) BETWEEN EARLY BRONZE AGE AND 79 AD.

17.45-18.00 *Question time*

18.00-19.00 *Poster session*

- *de Vita S., Di Vito M .A., Gialanella C.* : THE IMPACT OF THE 5TH CENTURY BC “ISCHIA PORTO TEPHRA” ERUPTION (ITALY) ON THE GREEK COLONY OF PITHEKOUSSAI.

Thursday 16

9.00-11.00 *Session: Holocene environmental changes recorded at high mountain sites (Chairmen: Carlo Baroni, Cesare Ravazzi)*

9.00-9.15 - *Orombelli G.* : FLUCTUATIONS OF THE ITALIAN GLACIERS SINCE THE MID-HOLOCENE

9.15-9.30 - *Schwörer, C., Berthel, N., Glur, L., Rey, F., Tinner, W.*: HOLOCENE CLIMATE, FIRE AND VEGETATION DYNAMICS AT THE TREE LINE IN THE SWISS ALPS

9.30-9.45 - *Pini R., Aceti A., Maggi V., Orombelli G., Raiteri L., Ravazzi C.* : HOLOCENE FOREST HISTORY AND TIMBERLINE FLUCTUATIONS IN THE WESTERN AND CENTRAL ALPS: THE ROLE OF CLIMATIC FACTORS AND MEN.

9.45-10.00 - *Coppola A., Leonelli G., Salvatore M.C., Baroni C., Pelfini M.*: CLIMATE CHANGE AND LAND-USE CHANGE IMPACTS ON TREELINE ALTITUDE AND ON TREE-RING CHRONOLOGIES FROM ALPINE SITES.

10.00-10.15 - *Zennaro P., Kehrwald N., Zangrando R., Barbaro E., Gambaro A., Barbante C.* : FIRE IN ICE: DETECTING BIOMASS BURNING USING ICE CORES

10.15-10.30 - *Maggi V., Stefano Turri S., Bini A., Perşoiu A., Onac B., Stenni S., Udisti R.*: NATURAL TO ANTROPOGENIC EFFECTS IN THE LAST 2000 YEARS OF FOCUL VIU ICE CORE.

10.30-10.45 - *Samartin S., Oliver Heiri O., Elisa Vescovi V., Tinner W.* : CHIRONOMID-INFERRED RECONSTRUCTIONS OF LATE GLACIAL AND HOLOCENE TEMPERATURES FROM TWO NEW SITES IN THE NORTHERN APENNINE OF ITALY

10.45.-11.00 Question time

11.00-11.15 Coffee-Break

18.00-19.00 Poster session

- *Isola I., Regattieri E., Zanchetta G., Dallai L., Baneschi I., Hellstrom J.C.⁴, Drysdale R.N., Magri F., Giraudi C., Ribolini A., Monetato G.*: HOLOCENE CHRONOLOGY, STRATIGRAPHY AND STABLE ISOTOPE RECORD OF RIO MARTINO CAVE (ALPI MARITTIME, NORTHERN ITALY).

- *Martinelli E., Motella S., Michetti A.M., Höbig N., Livio F., Tinner W., Reicherter K., Castelletti L.* : ENVIRONMENTAL CHANGE BETWEEN LATE GLACIAL AND HOLOCENE: NEW DATA FROM THE COMO - PIAZZA VERDI DRILLING (N-ITALY, SOUTHERN ALPS)

- *Ponza A., Picotti V., Simoni A., Berti M., Dinelli E.* : ACTIVE EARTHFLOW SEDIMENT PRODUCTION AND HOLOCENE SEDIMENT RECORD IN THE RENO CATCHMENT (NORTHERN APENNINES).

- *Zhornyak L., Zanchetta G., Regattieri E., Drysdale R.N., Piccini L., Hellstrom J.C., Isola I., Dallai L.* : STRATIGRAPHY, CHRONOLOGY AND STABLE ISOTOPE GEOCHEMISTRY OF RENELLA CAVE FLOWSTONES (APUAN ALPS, CENTRAL ITALY) FROM YOUNGER DRYAS TO HOLOCENE

11.00-15.00 Session: Environment, climate and human impact: the archaeological evidence (Chairmen: Mauro Cremaschi, Letizia Gualandi, Adriana Moroni)

11.00-11.15 - *Cadeddu, F., Balvis, T., Muntoni, F.* : SETTLEMENT STRATEGIES AND ENVIRONMENT: A GEOARCHAEOLOGICAL APPROACH TO THE SARDINIAN BRONZE AGE CONTEXT

11.15-11.30 - *Cremaschi M., Nicosia C., Zerboni A.* : SUB-BOREAL AGGRADATION ALONG THE APENNINE MARGIN OF THE CENTRAL PO PLAIN: GEOMORPHOLOGICAL AND GEOARCHAEOLOGICAL ASPECTS

11.30-11.45 - *Cremonini S., Labate D., Curina R.* : INSIGHTS INTO LATE-ANTIQUITY GEOENVIRONMENTAL CONDITIONS: DATA FROM THE EMILIA REGION (ITALY)

11.45-12.00 - *Fontana A., Mozzi P., Gelichi S., Negrelli C., Piovan S.* : GEOLOGICAL EVIDENCE AND WRITTEN SOURCES OF THE MEDIEVAL "DILUVIUM": A STRONG NATURAL PHASE AFTER THE ROMAN ANTHROPOGENIC PERIOD?

12.00-12.15 - *Masi A., Baneschi I., Sadori L., Zanchetta G.* : CLIMATE AND HUMAN IMPACT IN EASTERN ANATOLIA: THE STUDY OF STABLE CARBON ISOTOPE ON PLANT ARCHAEOLOGICAL MACROREMAINS

12.15-12.30 - *Mercuri A.M.*: HUMAN IMPACT AND ENVIRONMENTAL CHANGES AS SHOWN BY POLLEN FROM ARCHAEOLOGICAL SITES (HOLOCENE, CENTRAL MEDITERRANEAN).

12.30-14.00 Lunch break

14.00-14.15 - *Pasquinucci M., Menchelli S., Genovesi S.* : CLIMATE CHANGES, ENVIRONMENT AND HUMAN AGENCIES: TYRRHENIAN COAST CASE STUDIES AND THE MEDITERRANEAN FRAME

14.15-14.30 - *Romano P., Detta F., Liuzza V., Ruello M.R., Di Vito M., Giampaola D., Bartoli C., Boenzi G., Di Marco M., Giglio M., Iodice S.* : ENVIRONMENTAL CHANGES ALONG THE COASTAL SECTOR BETWEEN *PARTHENOPE* AND *PAUSILYPON* DURING THE LAST 5000 YEARS (NAPLES, ITALY)

14.30-14.45 - *Zanon M., Badino F., Perego R.* : FOREST COVER, RURAL LANDSCAPE DEVELOPMENT AND CLIMATE CHANGE FROM THE LATE NEOLITHIC TO THE EARLY IRON AGE IN THE GARDA AREA AND THE CENTRAL PO PLAIN

14.45-15.00 - *Saccoccio F., Marzocchella A., Vanzetti A.* : GRICIGNANO D'AVERSA (CE) AND THE AGRARIAN IMPACT IN THE *PIANA CAMPANA* AROUND 2.000 BCE

15.00-15.15 Question time

18.00-19.00 Poster session

- *Amato V., Longo F., Rossi A., Ghilardi M., Psomiadis D., Sinibaldi L., Collet M.* : HOLOCENE PALAEOGEOGRAPHICAL AND PALAEOENVIRONMENTAL RECONSTRUCTIONS OF THE MESSARA ALLUVIAL-COASTAL PLAIN (SOUTHERN CRETE, GREECE): THE FESTOS AND DIKIDA GEO-ARCHAEOLOGICAL PROJECTS.

- *Bini M., Fabiani F., Giacomelli S., Gualandi M.L., Pappalardo M., Rossi V., Ribolini A., Sarti G.* TESTS OF A NEW LANGUAGE CODE TO FOSTER SCIENTIFIC EXCHANGE BETWEEN ARCHAEOLOGISTS, GEOMORPHOLOGISTS AND SEDIMENTOLOGISTS: CREATING A NEW LOG STYLE TO REPRESENT GEOARCHAEOLOGICAL RAW DATA FROM CORING

- *Buonincontri M., Di Pasquale G.* : CLIMATE VERSUS HUMAN IMPACT FROM THE 6th C. BC TO THE 13th C. AD: ANTHRACOLOGICAL DATA FROM THE SOUTHERN TYRRHENIAN TUSCANY

- *Buonincontri M., T. de Grummond N., Cini F., Di Pasquale G.* : THE CHIANTI FOREST COVER (CENTRAL ITALY) IN THE 3rd MILLENNIUM BP: THE CHARCOAL RECORD OF CETAMURA (GAIOLE IN CHIANTI, SIENA)

- *Cocchiararo A., Pacciarelli M., Di Pasquale G.* : A MIXED FOREST OF DECIDUOUS OAK, SILVER FIR AND BEECH IN THE 1RD MILLENNIUM B.C: THE CASE OF THE UPPER TIBER VALLEY (TREBBIO, SANEPOLCRO – AR)

- *Dini M., Tozzi C., Zanchetta G.* : LATE GLACIAL AND EARLY-MIDDLE HOLOCENE SETTLEMENT IN THE APUAN ALPS AND NORTHERN APENNINE (CENTRAL ITALY) AND RELATION WITH CLIMATE CONDITIONS.

- *Florenzano A.* : POLLEN AND PALAEOENVIRONMENTAL RECONSTRUCTION FROM ARCHAEOLOGICAL SITES OF BASILICATA (SOUTHERN ITALY)

- *Forno M. G., Gattiglio M., Gianotti F., Raiteri L., Guerreschi A.* : GEOLOGICAL AND ARCHAEOLOGICAL EVIDENCE IN THE BECCA FRANCE RIDGE (VALLE D'AOSTA, NW ITALY).

- *Pacciarelli M., Romano P., Cella F., Cicala L., Di Donato V., Di Pasquale G., Russo Ermolli E., Scarciglia F., Filocamo F., Pelle T., Ruello M.R., Tardugno M.L.* FORTIFIED CENTERS, SETTLEMENTS SYSTEMS AND ENVIRONMENTAL PROCESSES IN TYRRHENIAN CALABRIA FROM THE SECOND TO THE FIRST MILLENNIUM B.C.: AN INTERDISCIPLINARY RESEARCH.

- *Pelle T., Scarciglia F., Natali E., Tiné V.* RECONSTRUCTION OF LATE PLEISTOCENE TO MID-HOLOCENE PALEOENVIRONMENTAL CHANGES AND HUMAN IMPACT: THE CASE STUDY OF "SAN MICHELE CAVE" OF SARACENA (NORTHERN CALABRIA).

- *Pelle T., Scarciglia F., Allevato E., Di Pasquale G., Natali E., Tiné V., Donato P., Zanchetta G., Terrasi F.* : MULTIDISCIPLINARY STUDY OF LATE PLEISTOCENE AND HOLOCENE PALEOENVIRONMENTAL CHANGES AND HUMAN IMPACT IN THE ARCHAEOLOGICAL SITE OF PALMI (SW CALABRIA).

- *Pepe C., Giardini G., Giraudi C., Masi A., Mazzini I., Sadori L.* : MULTIDISCIPLINARY RESEARCHES IN THE AREA OF PORTUS CLAUDII AND PORTUS TRAIANI (FIUMICINO, ROMA)

- *Pescio S., Trombino L., Maffi M., Bernabò Brea M., Beeching A.* : HOLOCENE CLIMATIC VS MAN-INDUCED ENVIRONMENTAL CHANGE IN VAL TREBBIA: FIRST EVIDENCES FROM TRAVO S. ANDREA NEOLITHIC SITE.

- *Petruso D., Sineo L.* : HUMAN INFLUENCE ON FAUNAL TURNOVER DURING EARLY HOLOCENE IN SICILY.

- *Poggiali F., Martini F., Buonincontri M., Di Pasquale G.* : CHARCOAL DATA FROM ORIENTE CAVE (FAVIGNANA ISLAND, SICILY)

- *Quirós Castillo J. A., Murelaga X., Baneschi I., Larraz Mariano, Ortega L. Á., Zanchetta G.* : MIDDLE AGE STABLE ISOTOPE GEOCHEMISTRY OF ORGANIC REMAINS AND LAND SNAIL SHELLS FROM THE BASQUE COUNTRY: PRELIMINARY DATA.

- *Rolfo M.F., Isola I., Salari L., Zanchetta G.* - STRATIGRAPHY, ARCHEOLOGY AND PALEOCLIMATE OF CAVORSO CAVE (CENTRAL ITALY): PRELIMINARY DATA.

- *Sarti G., Rossi V., Amorosi A., Bertoni D., Ribolini A., Sammartino I., Zanchetta G.* : THE MAGDALA SITE (KINNERET LAKE, ISRAEL) AND ITS HARBOUR HISTORY: EVIDENCES OF ANTHROPOGENIC AND TECTONIC-CLIMATIC SEDIMENTATION CONTROL DURING THE LATE HOLOCENE.

- *Sevink J., van Leusen M., Feiken H., van der Plicht J., Bakels C.C.* : THE HOLOCENE OF THE AGRO PONTINO GRABEN: RECENT ADVANCES IN ITS PALAEOECOLOGY, TEPHROSTRATIGRAPHY AND ARCHEOLOGY

15.15-18.15 Session: Continental Proxies (Chairmen: Laura Sadori, Giovanni Zanchetta)

15.15-15.30 - *Camuffo D., Bertolin C.*: DOCUMENTARY PROXIES AND EARLY INSTRUMENTAL TEMPERATURE OBSERVATIONS IN NORTHERN-CENTRAL ITALY

15.30-15.45 - *Piovesan G., Biondi F., Di Filippo A., Maugeri M.* : TREE-RINGS AND CLIMATE VARIABILITY: THE CASE OF THE ITALIAN OLD-GROWTH BEECH NETWORK

15.45-16.00 - *Dotsika E., Lykoudis S., Poutoukis D. Raco B.* : POSSIBLE PALEOENVIRONMENTAL EFFECTS ON THE STABLE ISOTOPE SIGNATURE (^{15}N , ^{13}C) OF HUMAN BONES FROM GREECE

16.00-16.15 - *Colonese A., Zanchetta G., Fallick A.E., Manganelli G., Saña M., Alcade G., Nebot J.* : STABLE ISOTOPE PALAEOECOLOGY OF EARLY-MIDDLE HOLOCENE LAND SNAIL SHELLS FROM WESTERN MEDITERRANEAN: DATA FROM BAUMA DEL SERRAT DEL PONT (SPAIN).

16.15-16.30 - *Moser D., Allevato E., Pelle T., Scarciglia F., Di Pasquale G., Nelle O.* : ENVIRONMENTAL CHANGE AT CECITA LAKE (SILA MASSIF, SOUTHERN ITALY) BETWEEN 3000 AND 2000 BP: NEW DATA FROM SOIL CHARCOAL AND PEDOLOGICAL ANALYSES.

16.30-16.45 Coffee break

16.45-17.00 - *Roskin J., Tsoar H., Porat N., Blumberg D.* : THE LATE HOLOCENE DUNE ACTIVITY IN THE NORTHWESTERN NEGEV, ISRAEL: A RESPONSE TO CLIMATE CHANGE OR ANTHROPOGENIC PRESSURE?

17.00-17.15 - *Brugiapaglia E., Bernardo L., de Beaulieu J.-L., Joannin S., Magny M., Peyron O., Vannière B., Zanchetta G.*: HOLOCENE BIOCLIMATIC OSCILLATIONS IN A CALABRIAN MOUNTAIN SITE: LAGO TRIFOGLIETTI.

17.15-17.30 - *Magny M., Peyron O., Sadori, L., Ortu, E., Zanchetta, G., Vannière B., Tinner W.* : CONTRASTING PATTERNS OF PRECIPITATION SEASONALITY DURING THE HOLOCENE IN THE SOUTH-AND NORTH-CENTRAL MEDITERRANEAN.

17.30-17.45 - *Wagner, B., Aufgebauer, A., Panagiotopoulos, K., Damaschke, M., Zanchetta, G., Sulpizio, R.* : HOLOCENE ENVIRONMENTAL CHANGES IN THE BALKAN REGION: EVIDENCE FROM LAKE SEDIMENTS.

17.45-18.00 - *Ortu E., Peyron O., Sadori L., Vannière B., Desmet M., Magny M., Baneschi I., Termine R., Zanchetta G.* : STABLE ISOTOPE GEOCHEMISTRY AND POLLEN ANALYSES OF THE LAST 6 MILLENNIA AT LAKE PERGUSA (CENTRAL SICILY, ITALY)

18.00-18.15 Question time

18.00-19.00 Poster session Continental proxies

- *Anzalone E., D'Argenio B., Ferreri V.* : TRAVERTINES OF CENTRAL AND SOUTHERN ITALY. SOME PALEO-CLIMATIC CONSIDERATIONS.

- *Baneschi I., Vannière B., Zanchetta G., Magny M.* : STABLE ISOTOPE GEOCHEMISTRY OF ORGANIC MATTER AT LAGO DI LEDRO (NORTHERN ITALY) DURING THE HOLOCENE: PALEOLIMNOLOGICAL AND PALEONVIRONMENTAL IMPLICATIONS

- *Francke, A., Wagner, B., Leng, M., Aufgebauer, A., Weber, M.* : PRELIMINARY RESULTS FROM A NEW HIGH-RESOLUTION HOLOCENE RECORD FROM LAKE DOJIRAN (MACEDONIA, GREECE).

- *Mariotti Lippi M., Bellini C., Benvenuti M.* : DISCRIMINATING CLIMATIC EVENTS AND HUMAN ACTIVITY IN A SOUTH ARABIC ANCIENT TOWN.

- *Regattieri E., Zhorniak L., Zanchetta G., Drysdale R.N., Hellstrom J.C., Isola I., Piccini L., Fallick A.E., Dallai L.* : EARLY MIDDLE HOLOCENE CLIMATIC CHANGES INFERRED FROM A MULTIPROXY RECORD OF A FLOWSTONE FROM RENELLA CAVE (APUAN ALPS, CENTRAL ITALY)

- *Roskin J., Tsoar H., Blumberg D., Porat N., Rozenstein O.* : SAND RUBIFICATION WITH TIME? THE CASE OF THE SINAI-NEGEV ERG.

- *Zanchetta G., Bar-Matthews M., Drysdale R.N., Lionello P., Ayalon A., Hellstrom J.C., Isola, I., Regattieri E.* : CORCHIA AND SOREQ CAVES STABLE ISOTOPE RECORD: COEVAL DRY EVENTS AT 5.2 AND 5.6 KYR

- *Zhornyak L.V., Zanchetta G., Regattieri E., Drysdale R.N., Hellstrom J.C., Fallick A.E.* : MULTIPROXY RECORD FROM A MID-HOLOCENE STALAGMITE FROM SOUTHERN SIBERIA (KRASNOYARSK, RUSSIA): PALAEOCLIMATE IMPLICATIONS.

Friday 17

9.00-10.30 Session: Sea level and Coastal evolution (Chairmen: Fabrizio Antonioli, Giovanni Sarti, Giuseppe Mastronuzzi)

9.00-9.15 - *Di Fiore V., Aiello G., D'Argenio B., Marsella E.* : POTENTIAL SUBMARINE LANDSLIDES TSUNAMIS EVENTS IN THE NAPLES BAY (SOUTHERN-EAST TYRRHENIAN SEA)

9.15-9.30 - *Furlani S., Moses C.* : PRESERVATION OF TYRRHENIAN LIMESTONE COASTAL MORPHOLOGIES USED AS SEA LEVEL MARKERS

9.30-9.45 - *Maselli V. and Trincardi F.* : HUMONGOUS INCISED VALLEY FROM A SMALL CATCHMENT BASIN. INTERNAL ARCHITECTURE AND SEDIMENT SUPPLY FLUCTUATIONS.

9.45-10.00 - *Morhange C. and Marriner N.* : RELATIVE SEA-LEVEL CHANGES VERSUS COASTAL DEFORMATION GEO-BIOLOGICAL DATA FROM ANCIENT HARBOURS MARSEILLE, FREJUS, CUMA, PUTEOLI, NAPOLI

10.00-10.15 - *Lo Presti V., Antonioli F., Ronchitelli A., Scicchitano G., Spampinato C., Anzidei M., Ferranti L., Auriemma R., Monaco C., Mastronuzzi G., Sulli A., Iannelli M.T.* : MILLSTONES COASTAL QUARRIES AS INDICATOR OF RELATIVE SEA LEVEL CHANGES

10.15-10.30 - *Amorosi A.* : INFLUENCE OF EARLY HOLOCENE SEA-LEVEL RISE ON THE DEVELOPMENT AND DECLINE OF CARDIUM POTTERY (MEDITERRANEAN NEOLITHIC).

10.30-10.45 - *Marturano A., Aiello G., Barra D., Fedele L., Morra V.* : SEA LEVEL AND COASTAL EVOLUTION IN VOLCANIC AREAS: THE CASE OF THE SOMMA-VESUVIUS

10.45-11.00 - Question time

11.00-12.00 Poster session Sea level and Coastal evolution

- *Maselli V., Eric W. Hutton E.W., Albert J. Kettner A.J., Syvitski J.P.M., Trincardi F.* : SEA LEVEL AND SEDIMENT SUPPLY FLUCTUATIONS DURING THE BÖLLING-ALLERØD TO YOUNGER DRYAS TRANSITION REVEALED BY A 2D NUMERICAL MODELING OF THE CENTRAL ADRIATIC TRANSGRESSIVE RECORD.

- *Biolchi S., Furlani S., Cucchi F., Stuper N.* : COASTAL CAVES AND SEA LEVEL CHANGE IN ISTRIA

- *Guarino P.M. and Schiattarella M.* : LATE QUATERNARY MORPHO-EVOLUTION OF THE BAY OF FORMIA COASTAL BELT, CENTRAL ITALY

- *Aiello A., Canora F., Spilotro G.* : NATURAL VERSUS HUMAN-INDUCED COASTAL CHANGES: TWO STUDY CASES FROM SOUTHERN ITALY

11.00-12.00 Meeting conclusions

12.00-13.30 AIQUA Assembly