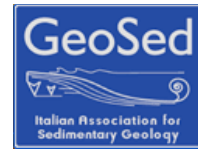




REGIONAL COMMITTEE ON
MEDITERRANEAN NEOGENE
STRATIGRAPHY

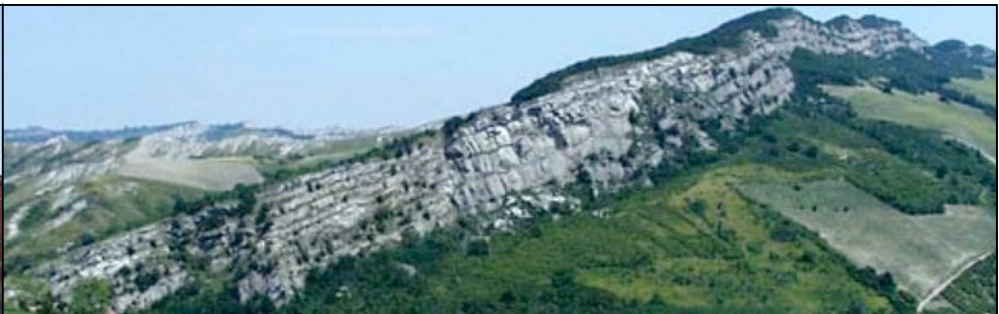


UNIVERSITÀ DEGLI
STUDI DI PARMA



ITALIAN ASSOCIATION FOR
SEDIMENTARY GEOLOGY

**R.C.M.N.S. Interim Colloquium
“The Messinian salinity crisis revisited-II”
Parma (Italy), 7th-9th September 2006**



**SCIENTIFIC PROGRAM
(preliminary version)**

NOTES

Symbol	Presentation type	Total time	presentation	discussion
KN	Key note	40 min	35 min	5 min
O	Oral presentation	20 min	15 min	5 min
SO	Short oral presentation	5 min	4 min	1 min
P	Poster exhibition	-----	-----	-----

Note: speaker (for KN, O and SO presentation) or corresponding author (for P) in bold.

THURSDAY 7TH

8.³⁰ REGISTRATION

9.³⁰ OPENING CERIMONY

Welcome addresses by:

S. Iaccarino, S. Lugli, V. Manzi and M. Roveri (Organizing Committee)
J. Agusti (President of R.C.M.N.S.)

Official addresses by:

G. Ferretti (Rector of the Parma University)
A. Mangia (Dean of the Faculty of Mathematics, Physics and Natural Science)

SS0 INTRODUCTION LECTURES

CHAIRMAIN: S. Iaccarino and M. Roveri

- | | | |
|-------------------------|---|-----------|
| 10.⁰⁰ | RYAN W.B.F.
Hystorical review of the MSC. | KN |
| 10.⁴⁰ | KRIJGSMAN W. and co-workers
The Messinian salinity crisis: where do we stand today? | KN |
| 11.²⁰ | COFFEE BREAK | |

SS1 STRATIGRAPHY OF THE PRE-EVAPORITIC MESSINIAN

CHAIRMAIN: W. Krijgsman and S. Iaccarino

- | | | |
|-------------------------|---|-----------|
| 11.⁴⁰ | BISON K.M., VERSTEEGH G.J.M., HILGEN F.J., WILLEMS H.
Calcareous dinoflagellate turnover related to the Messinian salinity crisis in the Eastern Mediterranean Pissouri Basin; Cyprus. | SO |
| 11.⁴⁵ | NEGRI A., GIUNTA S., MORIGI C. MANZI V., ROVERI M.
Calcareous nannoplankton bioevents in the pre-evaporitic Messinian and their paleoenvironmental implications. | SO |
| 11.⁵⁰ | ORSZAG-SPERBER F., CARUSO A., ROUCHY J.M., BLANC-VALLERON M.M.
New insights on the onset of the Messinian salinity crisis in Cyprus (East Mediterranean). | O |
| 12.¹⁰ | KOUWENHOVEN T., VAN DER ZWAAN B.
Constraining pre-MSC Mediterranean environments. | O |
| 12.³⁰ | MANZI V, ROVERI M., GENNARI R., BERTINI A., BIFFI U., GIUNTA S., IACCARINO S., LANCI L., LUGLI S., NEGRI A., RIVA A., ROSSI M, TAVIANI M.
The deep-water counterpart of the Messinian Lower Evaporites in the Apennine foredeep: the Fanantello core (Northern Apennines, Italy). | O |
| 12.⁵⁰ | DISCUSSION | |

POSTERS WITHOUT PRESENTATION INCLUDED IN THE SCIENTIFIC SESSION

- | | | |
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| | ALDINUCCI M., BOSSIO A., CONTI L., DONIA F., FORESI L.M., MAZZEI R., RIFORGIATO F., SALVATORINI G., SANDRELLI F.
The pre-evaporitic Messinian in Tuscany (Italy) as recorded in the Gello section (Volterra Basin, Tuscany – Italy). | P? |
| | TENT-MANCLÚS J.E., CARACUEL J.E., DINARÈS-TURELL J., ESTÉVEZ A., LANCIS C., SORIA J.M., YÉBENES A.
Biostratigraphic calibration of the evaporitic events in the Fortuna Basin (SE Spain). | P? |

13.¹⁰ LUNCH

SS2 MESSINIAN EVAPORITES AND THEIR MODERN AND ANCIENT ANALOGS

CHAIRMAIN: F. Orti and I. Zak

- | | | |
|-------------------------|---|-----------|
| 14.³⁰ | SCHREIBER C.B.
The origins of evaporites and their facies - the recognizable and the enigmatic! | KN |
| 15.¹⁰ | GUIDO A., GAUTRET P., JACOB J., LAGGOUN-DÉFARGE F., MASTANDREA A., RUSSO F. Gas Chromatography-Mass Spectrometry in geochemical investigation of organic matter of the Messinian Calcare di Base formation (Rossano Basin, Northern Calabria, Italy) | SO |
| 15.¹⁵ | PANNIKE S., BIRGEL D., IMMENHAUSER A., PIERRE C., ROUCHY J.M., PECKMANN J.
Sulphur and carbonate microbialites in the "Calcare Solfifero" from Sicily. | O |
| 15.³⁵ | LUGLI S., MANZI V., ROVERI M., SCHREIBER C.B.
New facies interpretation of the Messinian Lower Evaporites in the Mediterranean. | O |
| 15.⁵⁵ | COFFEE BREAK | |
| 16.²⁰ | PANIERI G., PALINSKA K.A., BREHM U., LUGLI S., MANZI V., ROVERI M.
Fossil microbial communities in the evaporite deposits of the Vena del Gesso (northern Apennines, Italy). | O |
| 16.⁴⁰ | LUGLI S., DI STEFANO A., GULFI V., CORALLO G., AMENTA G. & MANZI V. | O |

- Halite facies in the Racalmuto mine (Agrigento): further evidence of an exposure surface in the Messinian salt.
- 17.⁰⁰ **BERIT L.** **SO**
The End of a Saline Lake: an Example from the Permian Rotliegend of Northern Germany.
- 17.⁰⁵ **ZAK I.** **SO**
Evolution of the Dead Sea brines.
- 17.¹⁰ **BUKOWSKI K., CZAPOWSKI G., KAROLI S.** **SO**
The redeposition of halite in the Middle Miocene basins of Central Paratethys (Poland and Slovakia).
- 17.¹⁵ **ZAK I.** **SO**
Residual caprock and fossil salt table of the Mount Sedom diapir, Dead Sea basin, Israel.
- 17.²⁰ **CZAPOWSKI G., TOMASSI-MORAWIEC H., BUKOWSKI K.** **SO**
Salt facies and their geochemistry – a review of the Upper Permian and the Middle Miocene examples of from Poland.
- 17.²⁵ **DISCUSSION**

POSTERS WITHOUT PRESENTATION INCLUDED IN THE SCIENTIFIC SESSION

- 1 **ORTÍ F., ROSELL L., PLAYÀ E.** **P**
Balatino-like laminated evaporites: some examples and criteria of chemical origin.
- 2 **MATANO F.** **P?**
Primary precipitated and resedimented gypsum facies in Late Messinian "Evaporiti di Monte Castello Fm." (Southern Apennines foredeep, Italy).
- 3 **PIERRE C., ROUCHY J.M., BLANC-VALLERON M.M., CARUSO A.** **P?**
Paleoenvironmental changes during the Calcare di Base deposition: a prelude to the Messinian Salinity Crisis.
- 4 **CZAPOWSKI G., BUKOWSKI K., TOMASSI-MORAWIEC H.;** **P**
The clayey salts of epicontinental and foredeep basins (examples of the Upper Permian and the Middle Miocene from Poland).
- 5 **TOMASSI-MORAWIEC H.** **P**
Chemostratigraphy of the rock salts: a case of Zechstein (Upper Permian) in Poland.

20.⁰⁰ **GALA DINNER**

FRIDAY 8TH

SS3 THE MESSINIAN LAGO MARE AND THE MIOCENE-PLIOCENE BOUNDARY		
CHAIRMAIN: J. Agusti and M. Taviani		
9. ⁰⁰	BERTINI A. , RICCI LUCCHI M., GENNARI R., MANZI V.. The Trave section (Ancona, Italy): palynological evidence from the Messinian post-evaporitic deposits.	SO
9. ⁰⁵	CARNEVALE G. , CAPUTO D., LANDINI W. Fossil marine fishes and the paleoenvironmental significance of the Messinian 'Lago-mare' event in the Mediterranean.	SO
9. ¹⁰	ROUCHY J.M. , CARUSO A., PIERRE C., BLANC-VALLERON M.M., BASSETTI M.A. The end of the Messinian Salinity Crisis: new insights from the Chelif Basin (Algeria).	SO
9. ¹⁵	TRUA T. , MANZI V., ROVERI M., ARTONI A. The Messinian post-evaporitic tephra layer of the Apennine foredeep: petrological and geochemical features.	SO
9. ²⁰	POPOV S.V. , NEVESSKAYA L.A. Paleogeography of Euxinian-Caspian Basin during the Pontian and Mediterranean - Euxinian connections.	O
9. ⁴⁰	COSENTINO D., FLORINDO F., SPROVIERI M. The post-evaporitic Messinian deposits of the Mediterranean area: Rock magnetic properties and isotope analyses of the upper Messinian Maccarone section (Apiro, northern Apennines).	O
10. ⁰⁰	ALDINUCCI M. , BERTINI A., BOSSIO A., DA PRATO S., DALL'ANTONIA B., DONIA F., .FORESI L.M., MAZZEI R., RIFORGIATO F., SANDRELLI F., ZANCHETTA G. The upper Messinian post-evaporitic phase in Tuscany: high resolution stratigraphy and cyclostratigraphy of the Serredi Quarry succession.	O
10. ²⁰	LANDINI W. , CARNEVALE G., CAPUTO D., LONGINELLI A. Mare versus Lago-mare: stable isotope measurements on fossils from the uppermost Messinian, Serredi Quarry, Northern Tuscany, Italy.	O
10.⁴⁰ COFFEE BREAK		
11. ⁰⁰	BERTINI A. , MARRET F. The ecological significance of dinocysts from the Italian Lago-Mare to understand the Mediterranean and Paratethyan connections.	O
11. ²⁰	GLIOZZI E. , GROSSI F., COSENTINO D. Late Messinian biozonation in the Mediterranean area using ostracods: a proposal.	O
11. ⁴⁰	ROVERI M. , BERTINI A., GENNARI R., GLIOZZI E., GROSSI F., IACCARINO S., MANZI V. A high-resolution stratigraphic framework for the latest messinian events in the mediterranean area.	O
12. ⁰⁰	CARUSO A. , BLANC-VALLERON M.M, PIERRE C., ROUCHY J.M.; High-resolution stratigraphy and stable isotopes at the Messinian/Zanclean boundary in the Mediterranean basins. Paleocyanographic reconstruction.	O
12. ²⁰	RIFORGIATO F. , ALDINUCCI M., DONIA F., FORESI L.M., MAZZEI R., SALVATORINI G., SANDRELLI F., STURIALE G. The Miocene/Pliocene boundary in Tuscany (Italy): micropaleontological evidence from the Serredi Quarry succession.	O
12. ⁴⁰	GENNARI R. IACCARINO S.M., ZERMANI A. AND MANZI V. Messinian/Zanclea boundary in Northern Apennines.	O
13.⁰⁰ DISCUSSION		
POSTERS WITHOUT PRESENTATION INCLUDED IN THE SCIENTIFIC SESSION		
1	SAMPALMIERI G. , COSENTINO D. Gamma-ray log profile and spectral gamma-ray characterisation of the p-ev1 deposits in the Maccarone section (northern Apennines, Italy).	P
2	TRENKWALDER S. , IRACE A., VIOLANTI D., DELA PIERRE F. The Miocene-Pliocene boundary in Piedmont (North-Western Italy): subsurface (Narzole corehole) and outcrop (Moncucco quarry) data.	P
3	SAGULAR E.K. , WERNLI R., POISSON A., ORSZAG-SPERBER F. The Messinian and the Early Pliocene in the southern Aksu basin (Antalya, SW Turkey).	P?
13.³⁰ LUNCH		
SS4 TECTONIC AND GEODYNAMIC RESPONSE TO THE MSC		
CHAIRMAIN: G. Moratti and M. Grasso		
14. ³⁰	ARTONI A. , RIZZINI F., ROVERI M., GENNARI R., MANZI V., PAPANI G., BERNINI M. Tectonic-climatic controls and cyclicity in Late Miocene sedimentary record of Cortemaggiore Wedge-Top Basin (Northwestern Apennines, Italy).	SO
14. ³⁵	RIZZINI F. , TORELLI L., ARTONI A., BERNINI M., MANZI V., PAPANI Geological transect from the Ligurian Sea to the Po plain..	SO
14. ⁴⁰	ARTONI A. , RIZZINI F., BERNINI M., PAPANI G., ROVERI M.	SO

Anatomy and development of Messinian mass-wasting deposits in submarine confined basins: examples from Northwestern Apennine of Italy.

- 14.⁴⁵ **IRACE A.**, DELA PIERRE F., FESTA A., MOSCA P. O
Physical stratigraphic scheme of the Messinian succession of the Tertiary Piedmont Basin (TPB): new data from the Langhe region.
- 15.⁰⁵ **BENVENUTI M.**, BONINI M., MORATTI G., SANI F. O
Syntectonic deposition during the Messinian in selected basins of Tuscany (Central Italy): preliminary synthesis of data.
- 15.²⁵ **GRASSO M.**, MANISCALCO R., STURIALE G. O
A case history for Messinian evaporite syntectonic deposition: The Corvillo Basin of central-north Sicily.
- 15.⁴⁵ **COFFEE BREAK**
- 16.⁰⁵ **COSTA E.**, DI STEFANO A., DOMINICI R., GENNARI R., IACCARINO S., LUGLI S., MANZI V., ROVERI M. O
Tectonic and sedimentation in the northern Crotona basin.
- 16.²⁵ **MART Y.**, RYAN W.B.F. O
The Levant margin since the Messinian salinity crisis: the consequences of flow and dissolution.
- 16.⁴⁵ **WILLETT S.**, SCHLUNEGGER F., PICOTTI V. O
Messinian erosion of the Alps and its implications for Neogene climate change.
- 17.⁰⁵ **GOVERS R.**, MEIJER P., KRIJGSMAN W. O
Solid earth response to MSC events as predicted from a 3D regional isostasy model.
- 17.²⁵ **DISCUSSION**

POSTERS WITHOUT PRESENTATION INCLUDED IN THE SCIENTIFIC SESSION

- 1 **COSENTINO D.**, PASQUALI V., CIPOLLARI P., GLIOZZI E., CASTORINA F., ARTONI A. P
Pre-, syn- and post-evaporitic Messinian deposits in the central Apennine orogenic system: Stratigraphy, palaeogeography and tectono-sedimentary significance.
- 2 **ALDINUCCI M.**, BERTINI A., DA PRATO S., DONIA F., **FORESI L.M.**, MAZZEI R., RIFORGIATO F., SANDRELLI F., SALVATORINI G., ZANCHETTA G. P?
The Messinian in Tuscany: an integrated high resolution stratigraphic framework from selected sections.
- 3 **DI NOCERA S.**, **MATANO F.**, TORRE M. P?
Sedimentary and tectonic evolution of the late Messinian Irpinia-Daunia basins (Southern Apennines, Italy): interplay between foreland basin evolution and salinity crisis.

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- 19.⁰⁰ **CATHEDRAL AND BAPTISTERY GUIDED VISIT.**

SATURDAY 9TH

SS5 SCENARIOS OF THE MESSINIAN SALINITY CRISIS

CHAIRMAIN: B.C. Schreiber and Ryan W.B.F.

- 8.³⁰ **FLECKER R.**, KOUWENHOVEN T. O
Was eustacy the trigger for initial salt precipitation in the Mediterranean after all?
- 8.⁵⁰ **RYAN W.B.F.** O
Can sills acting as spillways resolve the paradox of marginal and deep-basin evaporites?
- 9.¹⁰ **MEIJER P.**, KRIJGSMAN W. O
Quantitative analyses of sea level, salinity, and strait transport during and preceding the Messinian salinity crisis.
- 9.³⁰ **ROUCHY J.M.** KN
The Messinian salinity crisis in the Mediterranean: new concepts and scenarios.
- 10.¹⁰ **ROVERI M.**, LUGLI S., MANZI V., SCHREIBER B.C. KN
The Messinian stratigraphy of Central Sicily basin revisited: new insights for a scenario of the Messinian salinity crisis of the Mediterranean basin.
- 10.⁵⁰ **DISCUSSION**

11.⁰⁰ **COFFEE BREAK**

SS6 GENERAL DISCUSSION

CHAIRMAIN: M. Roveri and S. Iaccarino

11.¹⁵ **OPEN DISCUSSION**

13.³⁰ **LUNCH**

14.³⁰ **CONGRESS CLOSURE**