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UNIVERSITÀ  
DEGLI STUDI DI BARI  
ALDO MORO



Istituto Nazionale di  
Geofisica e Vulcanologia

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**IGCP Project 639 “Sea Level Change from Minutes to Millennia”**  
***Crossing Southern Italy...a travelling meeting from Taranto to Siracusa***

**Third Annual Meeting**

**Taranto (Puglia) – Siracusa (Sicilia)**

**16<sup>th</sup> - 23<sup>rd</sup> September 2018**

**2<sup>nd</sup> Meeting Announcement**

Project Leaders

Simon Engelhart, Goesta Hoffmann, Fengling Yu, Alar Rosentau

Meeting Leaders

Giuseppe Mastronuzzi, Fabrizio Antonioli, Marco Anzidei, Massimo Moretti, Giovanni Scicchitano.

This is a joint meeting with **INQUA project**:

- CMP1701P: “Late Quaternary record of coastal inundation due to earth surface deformation, tsunamis and storms”
- CMP1601P “HOLSEA”
- CMP1603P “MOPP-MEDFLOOD”

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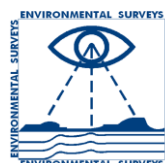
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STUDIO GEOLOGI  
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Via GALLIANO 157 95045  
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**ENVIRONMENTAL  
SURVEYS**

## **IGCP Project 639 “Sea Level Change from Minutes to Millennia”**

### ***Crossing Southern Italy...a travelling meeting from Taranto to Siracusa***

#### **Taranto (Puglia) – Siracusa (Sicilia) 16<sup>th</sup> - 23<sup>rd</sup> September 2018**

The Scienze della Terra e Geoambientali Department of the University of Bari, ENEA, INGV and the PhD School of Geosciences of the University of Bari, Italy, under the auspices of the Coastal Morphodynamics ALGeo Working Group, invite coastal researchers on behalf of IGCP Project 639 “Sea Level Change from Minutes to Millennia”, to the annual scientific meeting to be held in Taranto (Puglia, Italy) from 16 to 18 September, 2018. The meeting will be a multi-disciplinary international conference for scientists interested in the evolution of coastal geomorphological systems in response to sea level changes.

Topics of this meeting will include:

- **coastal geomorphology and sea-level changes**
- **rocky coasts as archive of sea level change**
- **eustasy, isostasy and tectonics**
- **archaeological data as markers in sea level studies**
- **rapid sea level changes: tsunami and storm surge**
- **advances in techniques and applications for sea level analysis**
- **sea level changes and human activities**
- **modelling future flooding scenarios**

The meeting will be followed by four days field trip from 19<sup>th</sup> to 23<sup>th</sup> September crossing Southern Italy from Taranto to Sibari, Reggio Calabria, Catania and finally Siracusa having an overview of different evidence of sea level changes and of sea storms and tsunami impact during the Late Quaternary and the Holocene.

We will travel along the Puglia (Ionian side), Basilicata and Calabria (Tyrrhenian side) and Sicilia (Ionian side) visiting the most interesting sites in the reconstruction of the sea level history during the last 150 millennia.

#### **Meeting Schedule**

16 <sup>th</sup> September	Arrival in Bari/Brindisi airport or Taranto train station. Ice Breaker in Taranto
17 <sup>th</sup> - 18 <sup>th</sup> September	Scientific Session, Taranto University
19 <sup>th</sup> September	Field Trip (overnight stay in Sibari)
20 <sup>th</sup> September	Field Trip (overnight stay in Reggio Calabria)
21 <sup>st</sup> September	Field Trip (overnight stay in Siracusa)
22 <sup>nd</sup> September	Field Trip (overnight stay in Catania)
23 <sup>rd</sup> September	Depart to Catania airport
23 <sup>rd</sup> September	<i>Optional Workshop</i>

## **Scientific committee**

Alessandro Amorosi (Università di Bologna, Italy), Maria Serafina Barbano (università di Catania, Italy), Helmut Brückner (University of Mainz, Germany), Massimo Caldara (Università di Bari, Italy), Domenico Capolongo (Università di Bari, Italy), Paolo Marco De Martini (INGV, Italy), Luigi Ferranti (Università Federico II, Napoli, Italy), Dario Gioia (CNR Tito Scalo, Italy), Carmelo Monaco (Università di Catania, Italy), Alessandra Negri (Università Politecnica delle Marche, Ancona, Italy), Paolo Orrù (Università di Cagliari, Italy), Rossella Pagliarulo (CNR Bari, Italy), Daniela Pantosti (INGV, Italy), Luisa Sabato (Università di Bari, Italy), Paolo Sansò (Università del Salento, Italy), Marcello Schiattarella (Università di Potenza, Italy), Alessandra Smedile (INGV, Italy), Marcello Tropeano (Università di Bari, Italy), Gian Battista Vai (Università di Bologna, Italy), Andreas Vött (University of Mainz, Germany).

## **GENERAL INFORMATION**

### **Purpose**

Scientific communications and posters will contribute to define a complete and detailed synthesis of latest advances in studies on sea level changes during the Late Quaternary and their implications on coastal geomorphological systems evolutions and dynamics.

### **Programme**

The meeting is composed by two days of scientific communications and a permanent poster session. The following four field trips will illustrate the most important and classical sites of Quaternary and coastal geomorphology studies (geological heritage) occurring along the coast of southern Puglia.

- 16<sup>th</sup> September: Arrival in Bari/Brindisi airport or Taranto train station. Ice Breaker in Taranto.
- 17<sup>th</sup> and 18<sup>th</sup> September: Scientific Session, Taranto University
- 19<sup>th</sup> September: Field Trip (overnight stay in Sibari)
- 20<sup>th</sup> September: Field Trip (overnight stay in Reggio Calabria)
- 21<sup>st</sup> September: Field Trip (overnight stay in Siracusa)
- 22<sup>nd</sup> September: Field Trip (overnight stay in Catania)
- 23<sup>rd</sup> September: Depart to Catania airport
- 23<sup>rd</sup> September: Optional Workshop

## **REGISTRATION FEES**

<b><u>Complete</u></b>	
Full registration (Professionals)	<b><u>€ 600,00</u></b>
PhD Student registration*	<b><u>€ 500,00</u></b>
Guest	<b><u>€ 500,00</u></b>

\* or equivalent

<b><u>Only scientific day 16-18/09/2018</u></b>	
Full registration (Professionals)	<b><u>€ 180,00</u></b>
PhD Student registration*	<b><u>€ 150,00</u></b>
Guest	<b><u>€ 100,00</u></b>

\* or equivalent

## **DEADLINES**

Abstract submission	<b><u>May 1<sup>st</sup> 2018</u></b>
Poster submission	<b><u>May 1<sup>st</sup> 2018</u></b>
3 <sup>rd</sup> announcement	<b><u>May 10<sup>th</sup> 2018</u></b>
Registration	<b><u>May 30<sup>th</sup> 2018</u></b>
4 <sup>th</sup> announcement	<b><u>June 20<sup>th</sup> 2018</u></b>

**A maximum of 55 participants to the field trip will be accepted.**

The following events are **INCLUDED** in the registration fees:

- 1 – N.1 Ice breaker party (16/9 in Taranto)
- 2 – N.1 Social dinner (17/9 in Taranto)
- 3 – Coffee breaks and lunches during the conference (17-18/9)
- 4 – Field guide and abstract books
- 5 – Transfer from Taranto to Catania by bus (19 - 22/9)
- 6 – Ferry boat from Villa San Giovanni - Messina (21/9)
- 7 – N.4 lunch bags (19, 20, 21 and 22)
- 8 – N.3 night in Hotel (19, 20 and 21 nights)
- 9 – N.1 Dinner in Sibari (20/9)

The following events are **NOT INCLUDED** in the registration fees:

- A – Hotel or B/B in Taranto (16, 17 and 18 nights)
- B – Dinner in Taranto (18/9)
- C – Dinner in Reggio Calabria (20/9)
- D – Dinner in Siracusa (21/9)
- E – Dinner in Catania (22/9)

**N.B. Conference and field trip fees increase by 10% for late registration.**

**ORGANIZATION**

The organization will be managed by ***Environmental Surveys S.r.l.*** ([www.ensu.it](http://www.ensu.it)), spin off of the University of Bari. Please contact: [en.su@libero.it](mailto:en.su@libero.it).

Payments must be done to:

Bank	<b><u>Banca di Credito Cooperativo di San Marzano di San Giuseppe</u></b>
Account holder	<b><u>Environmental Surveys S.r.l.</u></b>
IBAN	<b><u>IT46B0881778950009000001309</u></b>
SWIFT code	<b><u>CCRTIT2TSMZ</u></b>
Reason of payment	<b><u>IGCP Project 639 - Sea Level Change from Minutes to Millennia Full Registration/Student Registration/Guest</u></b>

**FINANCIAL ASSISTANCE**

A limited number of conference-fee grants may be provided for qualified students and/or attendees from developing countries, who are unable to receive funding from their own institutes. Request may be directed to Prof. Simon E. Engelhart, one of the Project Leader IGCP Project 639 (e.mail: [engelhart@uri.edu](mailto:engelhart@uri.edu), Department of Geosciences, University of Rhode Island, 9 East Alumni Avenue Kingston, RI, USA).

## **CONFERENCE LOCATION**

The conference will be held at the old **Convent San Francesco** of the XIV century, located in the historical centre of Taranto, courtesy of University of Bari, at Via Duomo 259.

Taranto was the capital of Magna Grecia and preserves an incredible archive of archaeological witnesses shown in the Archaeological National Museum "MARTA" one of the biggest in Italy. At present it is an important industrial and military town. It is located at about 100 km from the Bari and Brindisi airport which is connected to all main international airports of Italy.

During the summer season, direct flights are also available from some European cities to Bari and Brindisi airports. The train station is connected to the main Italian cities by high-speed trains named "Freccie". Bus connection will be available for participants from Bari and Brindisi Airports.



## **LOCATION AND CLIMATE**

Taranto is located in the southeast part of Italy, at Puglia region.

It is about 550 km from Rome, about 350 km from Napoli, 80 km from Bari, capital of Puglia region, and 70 km from Brindisi; all these cities are site of international and national airport.

Puglia region is one of most touristic regions of Italy. The coastal area is studded by splendid beaches and astonishing landscapes made precious by the heritage of the numerous civilizations which traversed Puglia region during prehistoric and historic times.

The very good food is represented by a regional diet composed by typical type of pasta, vegetables, typical cheese, fish and meat.

Puglia region has a Mediterranean climate, characterized by a dry and warm summer and a moderately rainy winter. Weather in September isn't very warm; the maximum temperature in September is about 26 °C, the minimum about 18 °C.

Rains are rare in this period and generally represented by short and strong showers.

The sea surface temperature at the end of September is of about 22 °C, still suitable for swimming.

## **ACCOMMODATION**

Participants can choose their own accommodation in Taranto. A list of the suggested hotel and B/B is attached at the end of this announcement. They are all placed near the Conference place. Due



to the limited number of single rooms, conference attendees are recommended to share accommodation. A small number of triple rooms and mini-apartments are also available.

**Conference and field trip fees are indicative and could suffer slight change which will be promptly reported in the 3<sup>rd</sup> announcement and on the Conference website.**

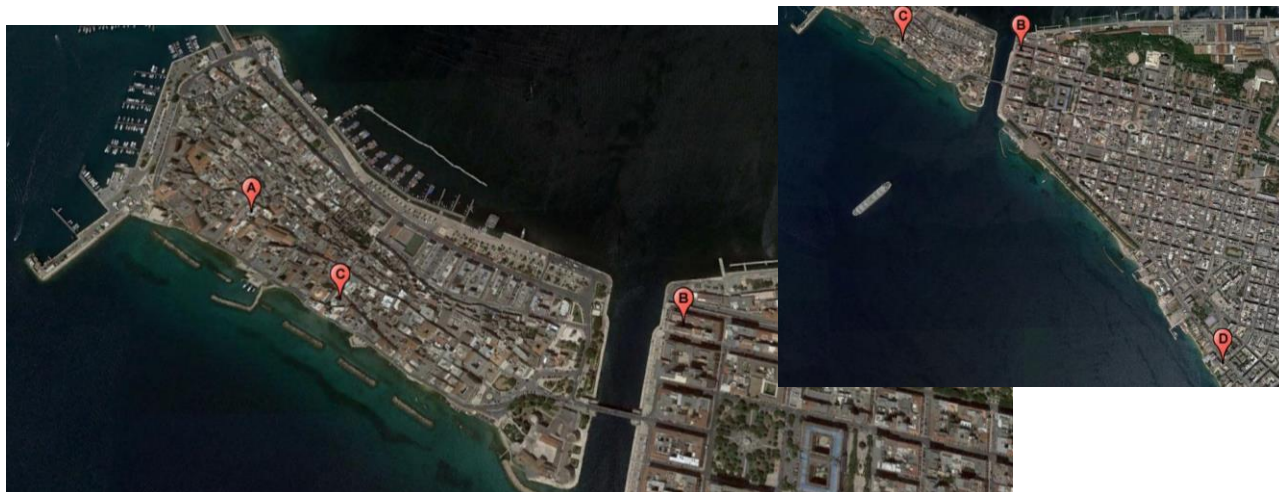




## **SUGGESTED ACCOMODATIONS**

### **Hotels e B&B\*\*\*\***

<b>A</b>	Hotel Akropolis	Vico I° Seminario, 3 039.0994704110	<a href="http://www.hotelakropolis.it">www.hotelakropolis.it</a>
<b>B</b>	Hotel Europa	Via Roma, 2 039.0994525994	<a href="http://hoteleuropataranto.it">hoteleuropataranto.it</a>
<b>C</b>	B&B S. Andrea degli Armeni	Via Paisiello, 20 039. 0994609298	<a href="http://www.sanandreadegliarmeni.it">www.sanandreadegliarmeni.it</a>
<b>D</b>	Mercure Hotel Delfino	Viale Virgilio, 66 039. 0997323232	<a href="http://www.grandhoteldelfino.it">www.grandhoteldelfino.it</a>



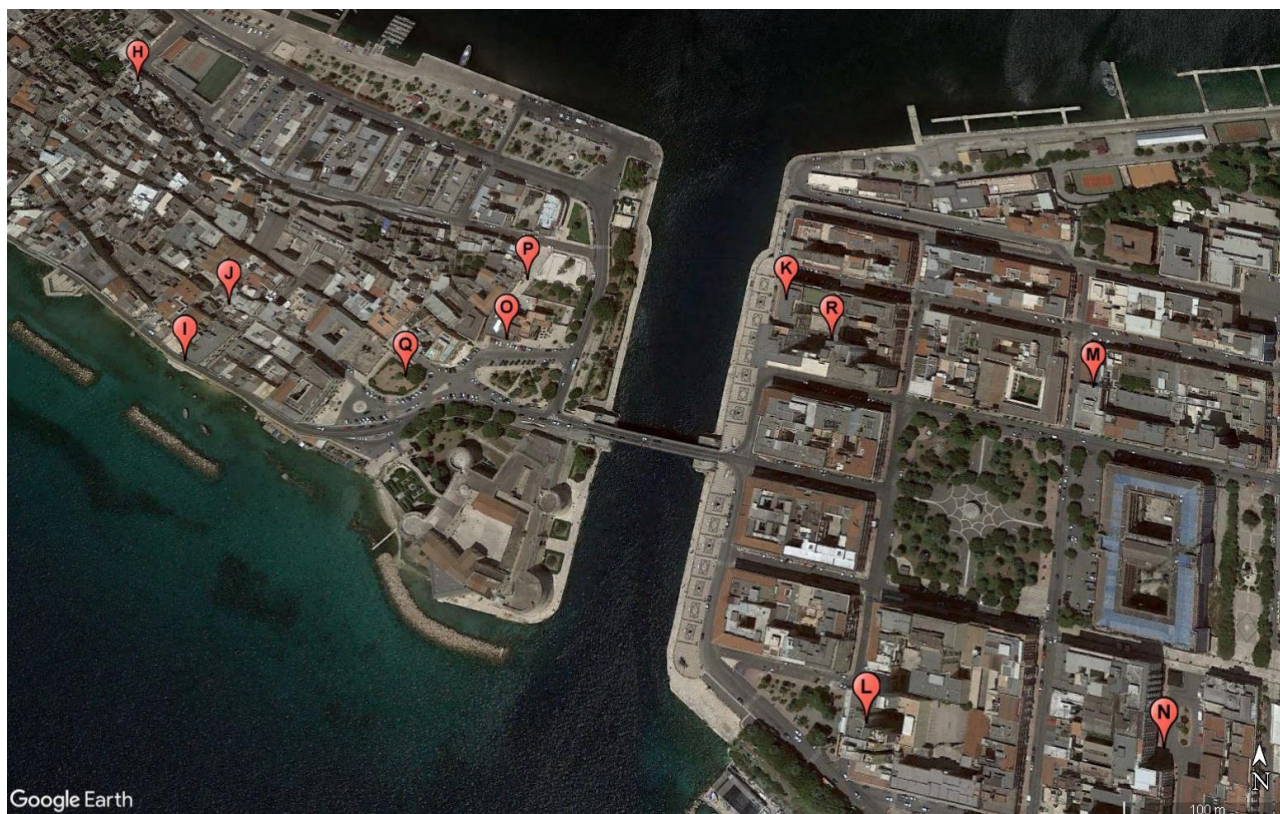
### **Hotels\*\*\***

<b>E</b>	Hotel L'Arcangelo	Piazza Fontana, 33 039.0994715940	<a href="http://www.hotelarcangelotaranto.it">www.hotelarcangelotaranto.it</a>
<b>F</b>	Albergo Del Sole	P.zza Fontana, 45 039. 0994707612	<a href="http://www.albergodelsoletaranto.it">www.albergodelsoletaranto.it</a>
<b>G</b>	Hotel Plaza	Via N. T. D'Aquino, 46 039. 0994590775	<a href="http://www.hotelplazataranto.it">www.hotelplazataranto.it</a>



## B&B

<b>H</b>	La Nassa	Via di Mezzo, 110 039. 3917695665	<a href="http://www.bblanassa.com">www.bblanassa.com</a>
<b>I</b>	Baja delle Sirene	Via G. Paisiello, 56 039.0999871786	<a href="http://www.bajadellesirene.it">www.bajadellesirene.it</a>
<b>J</b>	San Francesco	Piazza S. Francesco, 10 039.3922143969	<a href="http://www.bbsanfrancesco.net">www.bbsanfrancesco.net</a>
<b>K</b>	Casa sul Canale	Corso Due Mari, 9 039.3927948527	<a href="http://www.casasulcanaletaranto.com">www.casasulcanaletaranto.com</a>
<b>L</b>	Ai Marinai	Via R. Margherita, 43 039.0994525080	<a href="http://www.aimarinai.it">www.aimarinai.it</a>
<b>M</b>	Museo	Via Cavour, 15 039.3884205974	<a href="http://www.bebmuseum.it">www.bebmuseum.it</a>
<b>N</b>	Piazza Carmine	Piazza Giovanni XXIII, 13 039.3495808674	<a href="http://www.bebpiazzacarmine.com">www.bebpiazzacarmine.com</a>
<b>O</b>	Suite 11	Piazza Castello, 11 039.3913563752	<a href="http://www.suite11.it">www.suite11.it</a>
<b>P</b>	Casa Matilde	Pendio Lariccia, 34 039.3338147560	
<b>Q</b>	B&B Cuore di Borgo	Via Duomo, 293 039.3393323458	
<b>R</b>	Rosa dei venti	Corso Due Mari, 9 039.3490897163	





## **SCIENTIFIC CONTRIBUTIONS**

**We strongly encourage ECRs, female scientists, young scientists and developing nation scientists to propose the results of their studies**

### **Presentations**

The official language of the Conference is English.

The Scientific Organizers strongly recommend the presentation of posters. Oral presentations will be chosen by the Scientific Organizers according to their subject, their general interest, and to reflect the composition of the attendees in line with IGCP/INQUA directions.

### **Extended abstracts**

Authors are requested to submit to [en.su@libero.it](mailto:en.su@libero.it) an extended abstract not later than **05/01/2018**. Abstract must include not more than four pages with Author(s), Institution(s), e-mail address(es), keywords, text, references and one or two figures with relative captions (photo or picture, .jpg/.jpeg format). The abstract must be submitted single spaced 11-point, Arial font, with 1 inch margin top, bottom, left and right. The abstract must be created in, or converted to, Microsoft Word.

An example of an abstract is provided at the end of this announcement.

The published book of extended Abstracts will be available since the 22<sup>th</sup> of September at the Conference Desk and on the Conference website: <http://www.ensu.it/>

### **Publications**

Proceedings of both paper and poster presentation may be eligible for peer-reviewed publication in a scientific journal that must be still chosen.

### **Sessions Information**

Sessions will be held from Monday, September 17<sup>th</sup> till Tuesday, September 18<sup>th</sup> at the Convent San Francesco of the University of Bari in Taranto.

Participants may submit a maximum of two submissions as first author.

Due to the high number of presentations, poster presentations are strongly recommended.

Oral presentation will be limited to 15 minutes (and 5 minutes for discussion).

Posters will be displayed for the entire duration of the meeting and authors will be asked to give a 2 minutes overview to all participants during the meeting.

The lecture room will be equipped with one overhead projector, one slide projector and a multimedia projector. Authors that will use liquid crystal (multimedia) projector should supply the presentation in Powerpoint format on a USB key disk.

## **ORGANIZERS**

Prof. Giuseppe Mastronuzzi	University of Bari Dipartimento di Scienze della Terra e Geoambientali	0039.3473816290	gimastronuzzi@libero.it
Dott. Fabrizio Antonioli	ENEA - Casaccia Ente Agenzia nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile	0039.3315331121	fabrizio.antonioli@enea.it
PhD Marco Anzidei	INGV Istituto Nazionale di Geofisica e Vulcanologia	0039.3356528812	marco.anzidei@ingv.it
Prof. Massimo Moretti	PhD School of Geosciences of the University of Bari	0039.0805442563	massimo.moretti@uniba.it
Dott. Giovanni Scicchitano	Studio Geologici TST	0039.349.5749202	scicchitano@studiogeologitst.com

## FACSIMILE (FORMAT)

Giuseppe Caio\*, Jhon A. Sempronio \*\* (= Arial 11)

### **Large Boulder Accumulations as Indicator of Tsunamis along the Eastern coast of Apulia (Italy) (= Arial 11 Bold)**

\* Dipartimento di Scienze della Terra e Geoambientali, Via Orabona 4, Università degli Studi, 70125 Bari (Italy),

fax +39.080.5442634, e-mail: [g.caio@uniba.it](mailto:g.caio@uniba.it);

\*\* Department of Geosciences, 32 Magellano Avenue, Moon University, 34567 Mars (Sun),

fax +73.0832.87654, e-mail: [j.23semp@unimoon.ss](mailto:j.23semp@unimoon.ss)

(= Arial 10)

**Key words:** sea level, 14C age, Holocene, Moon, Earth, Solar System. (= Arial 11)

### **Abstract (= Arial 11)**

Text .....  
(Dawson,1994).  
Text ..... (Fig. 1).  
Text ... (Antonopoulos, 1979; Tinti & Maramai, 1996; Soloviev, 1990). .....  
..... (= Arial 11)

### **References (= Arial 11)**

- Ambraseys N.N. (1962). Data for investigation of seismic sea waves in the Eastern Mediterranean. Bull.Seism. Soc.Am., 52, 895-913.  
Antonopoulos J. (1979) .Catalogue of tsunamis in the eastern Mediterranean from antiquity to present times. Ann. Geofis. 32, 113-130  
Antonopoulos J. (1990). Data for investigating tsunami activity in the Mediterranean Sea. Science of Tsunami Hazards, 8, 39-52.  
Bourrouilh – Le Jan, F.G. and Talandier, J. (1985). Sédimentation et fracturation de haute énergie en milieu récifal: Tsunamis, ouragans et cyclones et leurs effets sur la sédimentologie et la géomorphologie d'un atoll: motu et hoa, à Rangiroa, Tuamotu, SE Pacific), Marine Geology, 67, 263-333.  
Bryant E.A. (2001). Tsunami. The Underrated Hazard. Cambridge University Press, Cambridge, UK, 320 pp.

### **Caption (= Arial 10)**

Fig. 1 - Geographical position of studied area. (Caio and Sempronio 1.jpg).

Fig. 2 - A view juvgyturg byur in Castelluccio section with 14C aged determinations. (Caio and Sempronio 2.jpg).