



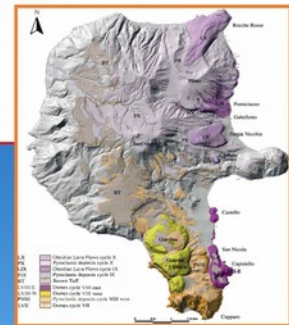
Regione Siciliana
Assessorato dei Beni Culturali
e dell'Identità Siciliana
Dipartimento dei Beni Culturali
e dell'Identità Siciliana
Museo Archeologico Regionale
Luigi Bernabò Brea



International Obsidian Conference

Regional Archaeological Museum "Luigi Bernabò Brea"

1-3 June 2016, Lipari (Italy)



<http://rtykot.myweb.usf.edu/Obsidian 2016/>

More than 60 participants from 15 countries around the world



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International Obsidian Conference

June 1-3, 2016

Museo Archeologico Regionale
"L. Bernabò Brea"
LIPARI (Me) Via Castello, 2

Wednesday, June 1

8:30 *Registration*

9:00 Welcome

Gaetano Pennino

Dirigente Generale dei Beni Culturali e I.S.
Regione Siciliana

Maria Amalia Mastelloni

Direttore - Museo Archeologico Regionale

9:30 Introduction - *Robert H. Tykot,*

Yaroslav V. Kuzmin, Maria Clara Martinelli

Methods - Keynote I

9:45 Reflections on the contribution of
obsidian characterization studies to
archaeological research: the role of analytical
methods

Michael D. Glascock

10:15 SEM and XRF analyses as a tool to
discriminate obsidian provenance from
archaeological sites of central and southern
Italy

*Pasquale Acquafredda, Felice Larocca, Italo
Maria Muntoni, Mauro Pallara*

10:35 Sourcing obsidian artifacts by LA-ICP-
MS at the SOLARIS platform

*Marie Orange, François-Xavier Le
Bourdonnec, Anja Scheffers, Renaud
Joannes-Boyau*

10:55 Magnetic granulometry as a sourcing
characteristic of archaeological obsidian in
the Mediterranean

*Enzo Ferrara, Evdokia Tema, Elena Zanella,
Elena Pavesio, Andrea Perino*

11:15 Coffee Break

11:45 Microstructure, morphology and
magnetism of Monte Arci obsidian

*Valentina Mameli, Anna Musinu, Daniel
Niznansky, Davide Peddis, Guido Ennas,
Andrea Ardu, Carlo Lugliè, Carla Cannas*

Mediterranean Region

12:05 Lipari obsidian in the Late Neolithic.
Artifacts, supply and function

*Maria Clara Martinelli, Maria Rosa Iovino,
Robert H. Tykot, Andrea Vianello*

12:25 Lipari obsidian sources and distribution
in the prehistoric central Mediterranean

Robert H. Tykot

12:45 Archaeological obsidian provenance of
several Italian Neolithic sites using a non-
destructive XRF method

*Anna Maria De Francesco, Marco Bocci,
Vincenzo Francaviglia, Gino Mirocle Crisci*

13:05 Lunch

15:00 Obsidian out of time: evidence from the
Late Copper Age settlement at Poggio dell'
Aquila - Adrano (Catania, Sicily)

*Massimo Cultraro, Lighea Pappalardo,
Giuseppe Pappalardo*

15:20 Sourcing, circulation and technology of
obsidian in Neolithic Apulia (South-East
Italy)

*Italo Maria Muntoni, Francesca Radina,
Sandra Sivilli, Maria Clara Martinelli*

15:40 A long-term perspective on the
exploitation of Lipari obsidian in central
Mediterranean prehistory

Kyle P. Freund

16:00 Towards the Hyperboreans: tracing out
a parabola of Sardinian obsidian exploitation
and distribution during the Neolithic

Carlo Lugliè, François-Xavier Le Bourdonnec

16:20 Research into Characterization and
Geochemical Provenance of Obsidian
Artefacts from Pantelleria Island, Sicily
(Italy)

*Emiliano Tufano, Sebastiano Tusa, Angela
D'Amora, Marco Trifuoggi*

16:40 Consumption of obsidian during the
Middle Bronze Age: a use wear analysis of
obsidian from Kirrha (Phocis, Greece)

Marie-Philippine Montagne

17:00 Coffee Break

Poster Session I – 17:30

1. Reassessment of an XRF method based on trace elements peak intensity ratios for obsidian provenance determination
Pasquale Acquafredda, Italo Maria Muntoni, Mauro Pallata

2. Do I really need to analyze the sources myself? Testing the limits of inter-instrumental XRF obsidian data exchange
Jeffrey Ferguson

3. A comparative study of non-destructive PGAA and XRF used for provenancing archaeological obsidian
Zsolt Kasztovszky, Boglárka Maróti, Ildikó Harsányi, Dénes Párkányi, Veronika Szilágyi, Katalin T. Biró, András Markó

4. Link between WD-XRF, ED-XRF and P-XRF for archaeological obsidian analyses
Hidehisa Mashima

5. Characterization of the pyroclastic deposit of Cerro Allende (Altotonga, Veracruz), used as aggregate in Teotihuacan plasters
Donatella Barca, Luis Barba, Jorge Blancas, Gino Mirocle Crisci, Linda Rosa Manzanilla, Stefano Marabini, Domenico Miriello, Agustin Ortiz, Alejandro Pastrana, Alessandra Pecci

6. Macroscopic and chemical variation in the obsidian of Sierra Las Navajas (Hidalgo, Mexico)
Paola Donato, Rosanna De Rosa, Giancarlo Niceforo, Alejandro Pastrana, Matteo Montesani, Luis A. Barba Pingarron, Gino M. Crisci

7. Provenance of obsidian artifacts from the natural protected area Laguna del Diamante (Mendoza, Argentina) and the upper Maipo valley (Chile) by LA-ICP-MS
Anna Maria De Francesco, Donatella Barca, Victor Durán, Valeria Cortegoso, Ramiro Barberena, Marco Bocci

8. Obsidian sources of northwestern Patagonia (Andean forest region of southern Argentina)
Martin Giesso, Alberto E. Perez, Michael D. Glascock

9. Obsidian in the forest: Chemical characterization of archaeological artifacts from northwest Patagonia, Argentina
Charles R. Stern, Mariana Carballido Calatayud, Cristina Bellelli

10. Obsidian of the Nulgery Paleolithic site in Korea
Jong Chan Kim

11. Obsidian provenance as a tool to study human movements in the Upper Paleolithic, Neolithic, and Paleometal of northeast Asia: an overview of current studies
Yaroslav V. Kuzmin

12. Obsidian sources in the Democratic People's Republic of Korea (North Korea)
Yaroslav V. Kuzmin, Michael D. Glascock, Jong Chan Kim, Clive Oppenheimer, Mi-Young Hong

19:00 **Museum closes**

Thursday, June 2

Europe

9:00 Dynamism in the utilization of Carpathian obsidian
Katalin T. Biró

9:20 Use of obsidian during the Last Glacial Maximum: case studies from the Ságvárian sites in Hungary
András Markó

Africa - Keynote II

9:40 Risk and opportunity at Nabro volcano, Eritrea: a deep time perspective
Clive Oppenheimer, Bernard Gratuze, Lamya Khalidi, Bill McIntosh

10:10 Obsidian hydration dating of Late Pleistocene deposits at the Mochena Borago rockshelter, Ethiopia
Christopher M. Stevenson, Steven A. Brandt, Alexander Rogers; Stanley H. Ambrose

10:30 The effect of latitude on raw material transfers and human social behavior: the case of Palaeolithic obsidian
Theodora Moutsiou

10:50 Obsidian sourcing in southwest Arabia and the Horn of Africa: implications for human mobility and interaction in the Neolithic

Lamy Khalidi, Bernard Gratuze, Clive Oppenheimer, Edward Keall, Jessie Cauliez

11:10 Coffee Break

11:40 Obsidian trade across the Red Sea in Neolithic times: the case for Tihamah sites

Vincenzo Francaviglia, Marco Ferretti

Latin America

12:00 Geographic vectors of inter-mountain human circulation: the role of Andean obsidian (central Argentina and central Chile)

Martin Giesso, Victor A. Duran, Valeria Cortegoso, Ramiro Barberena, Michael D. Glascock

12:20 Obsidian sources and distribution in Patagonia, southernmost South America: a general overview

Charles R. Stern

12:40 Spatial and temporal distributions of exotic/local obsidian in the Aisén region, southernmost South America

César Méndez, Charles Stern, Amalia Nuevo Delaunay, Omar Reyes, Felipe Gutiérrez

13:00 Lunch

Poster Session II - 15:00

13. New data on Antiparos obsidian (Greece) for provenance study by SEM and XRF

Pasquale Acquafredda, Italo Maria Muntoni, Robert H. Tykot

14. A multidisciplinary approach to the study of obsidian fragments: the case of Ustica Island (Palermo, Sicily)

Franco Foresta Martin, Andrea Di Piazza, Claudia D'Oriano, Maria Luisa Carapezza, Antonio Paonita, Silvio Giuseppe Rotolo, Leonardo Sagnotti

15. Obsidian from the Bronze Age village of San Vincenzo - Stromboli: provenance, production, use and distribution

Sara T. Levi, Diego Calliari, Valentina Cannavò, Andrea Di Renzoni, Effie Photos-Jones

16. Sicily. The Neolithic site of San Martino: Working and circulation of obsidian from Lipari

Maria Clara Martinelli, Tania Quero

17. Obsidian source selection in the Early Bronze Age Cyclades

Jessica A. Morgan, Robert H. Tykot, Tristan Carter

18. Lipari (Aeolian Islands, Italy) and Sierra Las Navajas (Hidalgo, Mexico) obsidians: a comparative study

Paola Donato, Rosanna De Rosa, Giancarlo Niceforo, Alejandro Pastrana, Ida Perrotta, Mariano Davoli, Luis A. Barba Pingarron, Gino M. Crisci

19. Novel investigations on the mineralogy of Carpathian mahogany obsidian

Károly Lázár, Viktória Kovács Kis, Adél Len, Zsolt Kasztovszky, András Markó, Katalin T. Biró

20. Large-scale provenancing of obsidian artifacts from various sites in the Near East

Stuart Campbell, Elizabeth A. Healey

21. Diffusion of Anatolian and Caucasian obsidian in Iran: elements of explanation in “least cost path” models

Christine Chataigner, Olivier Barge

22. New data on source characterization and exploitation of obsidian from the Chikiani area (Georgia)

Bernard Gratuze, Paolo Biagi

23. Emplacement of obsidian outcrops in Meydan and obsidian characteristics

Anne-Kyria Robin, Damase Mouralis, Ebru Akköprü, Katherine Kuzucuoglu, Bernard Gratuze

16:00 Lipari Island Tour

20:00 Conference dinner

Friday, June 3

Anatolia and the Near East

9:00 Identification and characterization of a new obsidian source in the Nemrut volcano (Eastern Anatolia, Turkey): the Sicaksu obsidian

Anne-Kyria Robin, Damase Mouralis, Ebru Akköprü, Katherine Kuzucuoglu, Bernard Gratuze

9:20 Arslantepe (Eastern Anatolia): procurement of obsidian from Anatolian geological sources during the Chalcolithic and Middle Bronze Age

Damase Mouralis, Massimo Massussi, Ebru Akköprü, Francesca Balosi, M. Korhan Erturaç, Delphine Grancher, Bernard Gratuze, Fatima Mokadem, Katherine Kuzucuoglu, Giulio Palumbi, Anne-Kyria Robin

9:40 Obsidian and Mesolithic humans in Georgia

Ana Tetrushvili

10:00 Networks of obsidian use and exchange in the Neolithic eastern Fertile Crescent

Amy L. Richardson

10:20 The spread of obsidian on the Iranian Plateau during the Neolithic and the Bronze Age. The possible role of mobile pastoralists

Bernard Gratuze, Marjan Mashkour, Mohamad Hossein Azizi Kharananghi, Ali Zalaghi, Sepideh Maziar, Damase Mouralis, Anne-Kyria Robin

10:40 Obsidian in the southern Caucasus between cooking and knapping. The case of the obsidian-tempered ceramics from Aratashen (Armenia) and Mentesh Tepe (Azerbaijan)

Giulio Palumbi, Denis Guilbeau, Laurence Astruc, Bernard Gratuze, Bertille Lyonnet, Christine Chataigner, Armine Harutyunyan

11:00 Coffee Break

East Asia - Keynote III

11:30 The Impact of obsidian source studies on archaeology: a view from the Japanese islands

Akira Ono

12:00 New obsidian sources and Late Pleistocene/Early Holocene maritime interaction in southeastern Indonesia - East Timor

Christian Reepmeyer, Sue O'Connor, Mahirta, Tim Maloney

12:20 Obsidian provenance for prehistoric sites on Chukotka (northeastern Siberia, Russia): first results and interpretations

Yaroslav V. Kuzmin, Andrei V. Grebennikov, Michael D. Glascock

12:40 Internal structures of a Quaternary obsidian lava at Sanuka-yama, Kouzu Island, Japan

Yoshihiko Goto, Keiji Wada

13:00 Lunch

15:00 Transporting Kozushima Island obsidian across the Pacific Ocean at the beginning of the early Upper Paleolithic, Japan

Nobuyuki Ikeya

15:20 Changes in obsidian use and human responses to the LGM climate conditions in central Japan

Kazutaka Shimada

15:40 Genesis of internal structure of Shirataki obsidian, northern Hokkaido, Japan

Keiji Wada, Kyohei Sano

16:00 Provenance study of obsidian artifacts from Hiroppara site in Kirigamine, central Japan

Yoshimitsu Suda

16:20 Two contrasting provenances of prehistoric obsidian artifacts in South Korea: mineralogical and geochemical evidence

Yong-Joo Jwa, Seonbok Yi

16:40 Obsidian sourcing and characterization in the Celebes region: An initial interpretation on the "Celebes Seafaring People"

Lee Anthony M. Neri

17:00 Coffee Break

17:30 Discussion

18:00 Place for next conference; end of meeting;

Tour of museum

