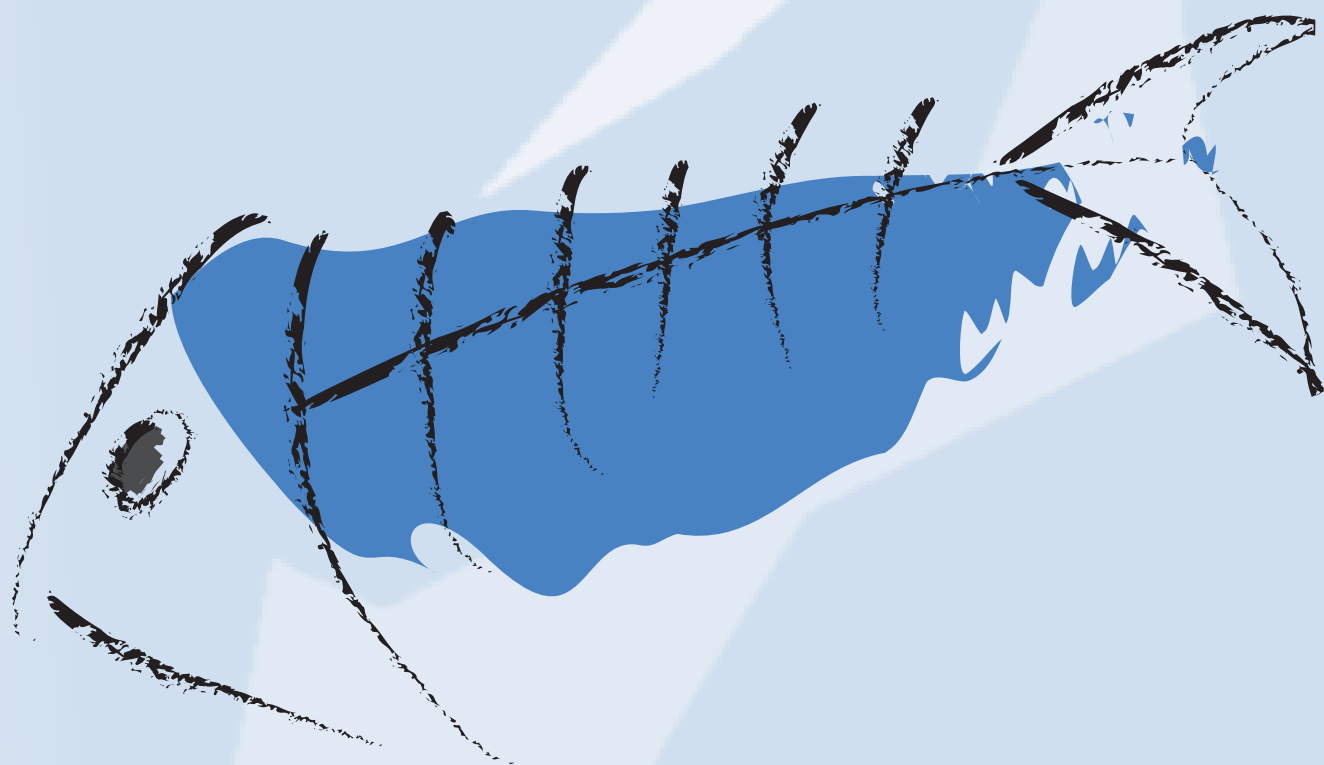


FISH AND FISHING

Archaeological, Anthropological, Taphonomical
and Ecological Perspectives

ICAZ Fish Remains Working Group 16th Meeting

October 23 - 30, 2011



Program and Abstract Book

Joint Research Conference of the Institute for
Advanced Studies and the Israel Science Foundation

Joint Research Workshop of the Israel Institute for Advanced Studies
and The Israel Science Foundation

Fish Remains Working Group (FRWG) 16th Meeting

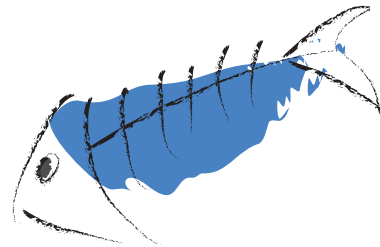
23-30 October 2011, Israel

ORGANIZING COMMITTEE:

Irit Zohar
Naama Goren Inbar
Rivka Rabinovich
Daniella Bar-Yosef Mayer
Anna Belfer-Cohen

SCIENTIFIC COMMITTEE:

Guy Bar-Oz
Ruby Cerón-Carrasco
Sheila Hamilton-Dyer
Richard Cooke
Arturo Morales- Muñiz





PROGRAM

SUNDAY, 23 OCTOBER, 2011

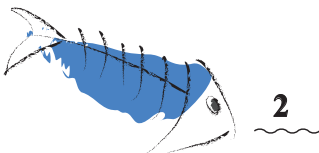
Arrival to The Leonardo Inn Hotel, 4 Vilnay Street, Givat Ram, Jerusalem

- 17:00** **Rivka Rabinovich** and **Dani Golani**: Visit to The Hebrew University
National Natural History Collections
- 19:30** **Welcome Dinner at the Leonardo Inn Hotel**

MONDAY, 24 OCTOBER, 2011

CANADA HALL, EDMOND J. SAFRA CAMPUS, GIVAT RAM

- 9:00-10:00** **Registration and refreshments**
- 10:00-10:30** **Opening remarks:**
Irit Zohar: National Natural History Collections, The Hebrew University,
Jerusalem
Allen Matthews: Director of the National Natural History Collections, The
Hebrew University, Jerusalem
Naama Goren-Inbar: Institute of Archaeology, The Hebrew University,
Laszlo Bartosiewicz: President of the International Council of Archaeozoology
(ICAZ)
- Session 1: Fish dispersal routes: In and out of Africa**
Session Chair: **Naama Goren-Inbar**
- 10:30-11:00** **Menachem Goren**: Opening lecture
- 11:00-11:30** **Olga Otero**: Context and perspectives of the use of fish as a tool to reconstruct
ancient freshwater ways: the Afro-Arabian late Tertiary case
- 11:30-12:00** **Pinton Aurelie**: First results of the use of modern and fossil fish to reconstruct
ancient Afro-Arabian freshwater-ways between early hominid bearing regions
- 12:00-12:30** **Coffee Break**
- 12:30-12:50** **Irit Zohar**: Who deposited these fishy bones? Analysis of fish remains from
Gesher Benot Ya'aqov (GBY), Israel
- 12:50-13:10** **Remko S. Kuipers, Josephine C.A. Joordens, Jan H. Wanink, and Frits A.J.**
Muskiet: A fish is not a fish: patterns in fatty acid composition of aquatic foods
have implications for hominin evolution
- 13:15- 14:30** **Lunch Break**





Session 2: The role of fish and fishing in the “agricultural revolution”

Session Chair: **Anna Belfer Cohen**

- 14:30-14:50 Laszlo Bartosiewicz:** Early Neolithic fish remains from the middle Danube region
- 14:50-15:10 Emily Blake:** Fish and fishing during the Mesolithic of the Western Isles of Scotland: New insights
- 15:10-15:30 Ying Zhang, Yunping Huang, Guoping Sun:** The size reconstruction of common carps and the fishing strategy at Tianluoshan, China
- 15:30-16:00 Coffee Break**
- 16:00-16:20 Harry Robson, Søren Andersen, and Oliver Craig:** Over-exploitation of the European eel (*Anguilla anguilla*) at the Mesolithic-Neolithic transition in Denmark?
- 16:20-16:40 Kenneth Ritchie, Folkvord, Arild; Hufthammer, Anne Karin, Ninnemann, Ulysses S.:** Stable oxygen isotope ratios in cod otoliths used to reveal seasonality of fishing at Late Mesolithic sites in Denmark
- 16:40-17:00 Tatiana Theodoropoulou:** Black fish bones in waterlogged deposits: the case of the Neolithic lake settlement of Dispilio, Greece
- 17:00-17:30 Coffee Break**

Session 3: Fish consumption

Session Chair: **Ruby Cerón-Carrasco**

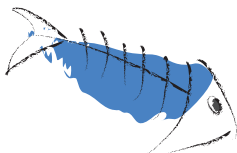
- 17:30-17:50 Studer Jacqueline:** Following the fish: The spatial and chronological record of fish remains from the site of Jabal Harûn (Jordan)
- 17:50-18:10 Erendira Quintana Morales:** Relating meat and fish consumption to climate change on the Swahili coast (AD 700-1500)
- 18:30 Reception Dinner at The Institute of Advanced Studies,
Edmond J. Safra Campus, Givat-Ram**
- 20:00 Departure to the Old City of Jerusalem**
- 21:00 Night spectacular at the Tower of David- Old City of Jerusalem**

TUESDAY, 25 OCTOBER, 2011

CANADA HALL, EDMOND J. SAFRA CAMPUS, GIVAT RAM

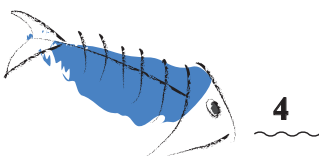
Session 1: Special session in honor of the late Prof. Oscar Polaco: Advances in neotropical zooarchaeology

Session Chair: **Arturo Morales- Muñiz**





- 9:30-9:40** **Ana Fabiola Guzman:** In memory of Oscar
- 9:40-10:00** **Diana R. Carvajal Contreras:** Fishing and preparing fish at Cueva de los Vampiros, Panama
- 10:00-10:20** **Manoel Gonnzales:** Lost fishes: Anthropogenic or environmental pressure?
- 10:20-10:40** **Ana Fabiola Guzmán,** Miriam Espino and Araceli Rivera: Fish remains from the ancient market (Casas Reales) of Monterrey, México (18th-19th centuries)
- 10:45-11:10** **Coffee Break**
- 11:10-11:30** **Caroline Borges** and Sandrine Grouard: Fish remains from Sambaquis of Santos Basin – São Paulo, Brazil
- 11:30-11:50** **Dufour Elise** and Philippe Béarez: Climate and seasonality of fishing during early-to mid-Holocene inferred from the sequential isotopic analysis of lorna (*Sciaena deliciosa*) otoliths from the Archaic site of Quebrada de los Burros (Peru)
- 11:50-12:10** **Grouard Sandrine,** Perdikaris Sophia, Persaud Reaksha: Fishing practices characterization of the Precolumbian sites in the West Indies. Did the Precolumbian overfished the doctor-fish? Sizes of Acanthuridae through time from the sites of St Martin, Barbuda, Antigua, Guadeloupe, and Martinique
- 12:10-12:30** **Ana Fabiola Guzman:** Fish remains from ceremonial offerings of complex A of Templo Mayor, Mexico
- 12:30-12:45** **Coffee Break**
- 12:45-13:45** **Poster Session at the Lobby of the Institute of Advance Studies**
Edmond J. Safra Campus ,Givat-Ram
Session Chair: **Virginia Butler**
- ◆ **Yifat Artzi,** Hava Goldstein, Giora Gisis: Otolith guide for freshwater fish in Israel
 - ◆ **Igor Askeyev,** Dilyara Galimova, Oleg Askeyev: The archaeoichthyological research of the Middle Volga region
 - ◆ **Peter Burns:** A new method to make skeletal material for comparative collections in the lab and in the field
 - ◆ **Gisela Kunst:** Fish as an iconographic element in illustrations from the Hebrew Bible: examples from European medieval art
 - ◆ **Karl Kunst Günther:** Fish remains from hand-collected assemblages:





examples from medieval and early modern-age sites from Austria

- ◆ **Lembi Lõugas**: Palaeolithic fish in Eastern Europe
- ◆ Stefania Mazzocchin and **Barbara Wilkens**: Fish and crustaceans from a Roman amphora in northern Italy
- ◆ **Roberto Luis Miranda Muñoz**: The importance of *Engraulis ringens* in the diet of Caral Civilization (3200 to 1800 BC)
- ◆ Elena Salmina, Anastasia Yurtseva and **Alfred Galik**: Evidences of the first carp bones (*Cyprinus carpio*) from a 16th century site in Pskov (north-west Russia)
- ◆ **Davit Vasilyan**: Fish in the diet of Chalcolithic inhabitants of Areni-1 Cave, Southern Armenia: Preliminary results
- ◆ **Yanish Yevgeniya**: The results of research fish bones from archaeological excavations of Olbia (VI century BC – IV century AD)
- ◆ **Reuven Yeshurun** and Ofer Marder: Where are the fish? Conspicuous absence of fish remains in a Natufian (Late Epipaleolithic) settlement on the shore of Lake Kinneret

13:45-15:30 Lunch Break

Session 3: Fishing activity in Europe

Session Chair: **Sheila Hamilton-Dyer**

15:30-15:50 Hannah Russ, Andrew Jones, and Julia Lee-Thorp: Upper Palaeolithic fishing in Western Europe

15:50-16:10 Olga Krylovich: Dynamics of marine fish in the Aleutian Islands over the last 1500 years

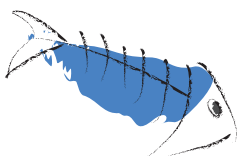
16:10-16:30 Ruby Cerón-Carrasco: Gender in fishing: division of labor in fishing communities from post-medieval to early 19th century Scotland

16:30-17:00 Coffee Break

17:00-17:20 Nayeli Jiménez-Cano: Atlantic Cod trade and fishing strategies from the late Iron Age to the Norse Age in North-Western Scotland: A perspective from isotopic analyses

17:20-17:40 Alfred Galik and Gertrud Haidvogel: Roman and medieval fishing in the lower part of the Austrian Danube around Vienna and its tributaries

17:40-18:10 Mirosława Zabilska: Cultural and environmental determinants of fishery on the Baltic Sea coast during V-II millennium BC: The settlement at Dabki as an example





- 18:10-18:30** Eufrasia Roselló-Izquierdo and **Arturo Morales-Muñiz**: Santa Catalina (Vizcaya, Spain): A reappraisal of fishing along the Cantabrian coast during the Late Palaeolithic and Early Holocene
- 20:00** **Dinner at the Jerusalem Botanical Gardens**

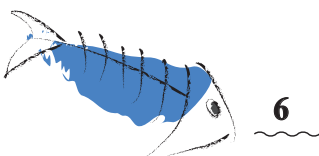
WEDNESDAY, 26 OCTOBER, 2011

UNIVERSITY OF HAIFA, MT. CARMEL

- 6:30** **Departure from Leonardo Inn Hotel to Haifa**
Dani Golani: Visit to the fish market at the Kishon River
- 10:00** **Coffee Break**
Departure to the University of Haifa

ESHKOL TOWER 30TH FLOOR, UNIVERSITY OF HAIFA

- 11:00** **Refreshments**
Session 1: Fish exploitation, fishing and seafaring along the Mediterranean Sea
Session Chair: **Guy Bar-Oz**
- 11:20-11:40** **Ofra Barkai**, Omri Lernau, and Yaacov Kahanov: Seafaring and fish processing during the 8th century AD
- 11:40-12:00** **Sally Grainger**: Roman fish sauce: fish bone residues and the practicalities of supply (An experiment in archaeology: part 2)
- 12:00-12:20** **Barbara Wilkens**: Fishing in the Middle Ages in northern Sardinia: Domestic consumption and monastic diet
- 12:20-12:40** **Ehud Galili** and Baruch Rosen: Ancient fishing gear and associated artifacts from underwater excavations and surveys in Israel
- 12:40-13:00** **Lunch Break**
- 13:00-13:20** **Gabriele Carenti**: S. Antioco (SW Sardinia, Italy): Fishes and exploitation of fisheries resources in an occidental Phoenician colony
- 13:20-13:40** **Baruch Rosen** and Ehud Galili: Archaeological observations on nets and net making in Israel in antiquity
- 13:40-14:00** **Lior Weissbrod**, Lidar Sapir-Hen, Tamar Dayan, Guy Bar-Oz, and Irit Zohar: Fish remains and household archaeology during the Iron Age, Israel: Tel Dor as a case study





- 14:00-14:45** **Guided visit to the Hecht Museum**
14:45 **Departure to Mount Carmel Caves:**
Mina Weinstein Evron and Reuven Yeshurun
18:00 **Visit to the Druze village of Daliyat el-Carmel and traditional dinner**
21:00 **Departure to Jerusalem**

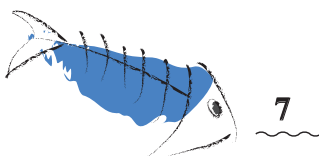
THURSDAY, 27 OCTOBER, 2011

CANADA HALL, EDMOND J. SAFRA CAMPUS, GIVAT RAM

Session 1: Fishing culture of the world

Session Chair: **Olga Otero**

- 9:30-9:50** **Arlene Fradkin:** Fishing to survive: Minorcans in Britain's Symrnea settlement, Florida, North America, 1766-1777
- 9:50-10:10** **Zaraza Friedman:** Fishing techniques in the mosaics of Piazza Armerina and the North African connections
- 10:10-10:30** **Riddler Ian** and Nicola Trzaska-Nartowski : The Insular Whale
- 10:30-11:00** **Coffee Break**
- #### Session 2: Taxonomy and nanotechnology
- Session Chair: **Laszlo Bartosiewicz**
- 11:00-11:20** **Virginia L. Butler**, Alexander E. Stevenson, Miller Jessica A., Yang Donya Y., Camilla F. Speller, Nicole Misarti: Anadromous salmonids in the Upper Klamath Basin before hydro-development? Identification of Pacific salmonid (*Oncorhynchus* spp.) species and life history through mtDNA and geochemical analysis of archaeological remains
- 11:20-11:40** **Sheila Hamilton-Dyer:** The reference collection - is it dead? The role of the physical collection in the digital age
- 11:40-12:00** Rebecca Reynolds, **Hannah Russ**, Luke Saddler, and Naomi Sykes: The archaeological fish resource
- 12:00-12:20** **Leore Grosman**, Véronique Prinnet and Irit Zohar: GBY Cyprinids – A 3D perspective
- 12:30 -13:00** **Laszlo Bartosiewicz:** Closing remarks and general discussion
- 13:00-14:45** **Lunch Break**
- 15:00** **Guided tour to the Old City of Jerusalem**
- 20:00** **Dinner at the Terassa Restaurant, Jerusalem**





FRIDAY, 28 OCTOBER, 2011

The Rift Valley and the Red Sea Ichtyofauna

- 07:00** Departure to the Dead Sea
10:00 The Dead Sea
11:30 Visit to the archaeological site of Massada
16:00 Arrival at the Red Sea Orchid Reef Hotel, Coral Beach
19:30 **Dinner at the Dolphin Reef**

SATURDAY, 29 OCTOBER, 2011

The Red Sea Ichtyofauna

- Until 10:30 Morning Snorkeling at the Red Sea
11:00 Visit to the Marine Park and the Underwater Observatory
14:00 Snorkeling at Coral Beach
19:30 **Sailing cruise on the Red Sea and dinner**

SUNDAY, 30 OCTOBER, 2011

The Red Sea Ichtyofauna

- 10:00** Visit to the Israel Oceanographic and Limnological Research Institute
12:00 Visit to the Dolphin Reef and its relaxation pools
Optional scuba diving and snorkeling with dolphins (must be booked in advanced-online:
<https://www.dolphinreef.co.il/reservation/snorkeling.html>)
17:00 Departure to Jerusalem
Dinner at The Leonardo Inn Hotel

