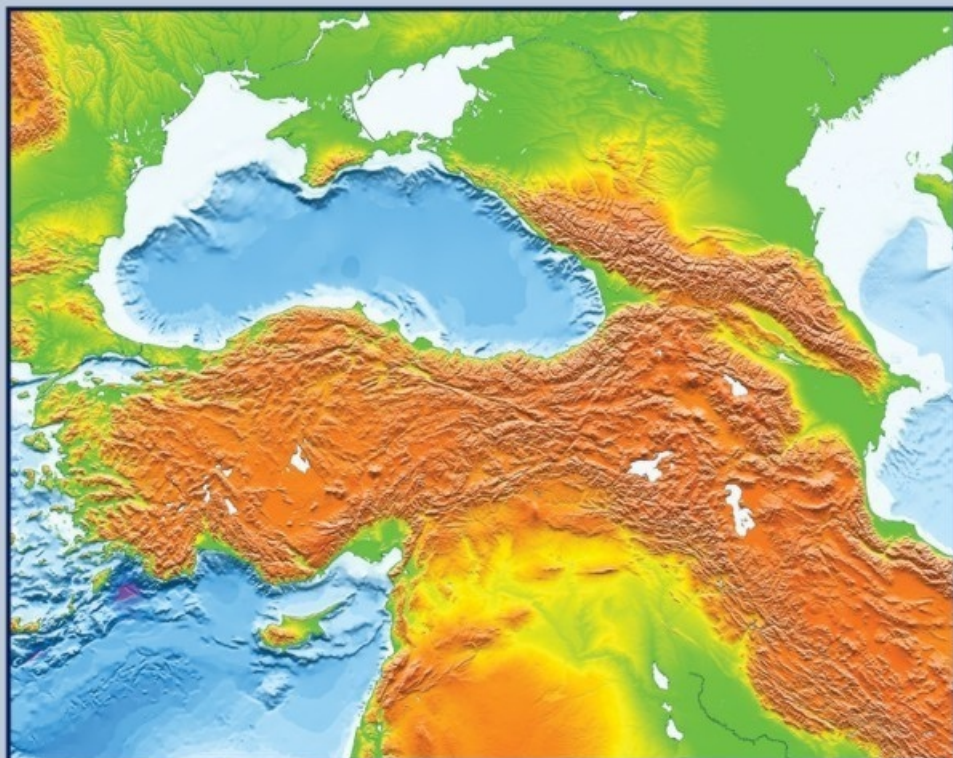




KADİR HAS UNIVERSITY
CİBÂLİ CAMPUS
HALIÇ, İSTANBUL – TURKEY
8 – 15 OCTOBER 2005



UNESCO – IGCP – IUGS
The International Geoscience Programme



EXTENDED ABSTRACTS

**1st PLENARY MEETING AND FIELD TRIP OF PROJECT IGCP – 521
BLACK SEA-MEDITERRANEAN CORRIDOR DURING THE LAST 30 KY:
SEA LEVEL CHANGE AND HUMAN ADAPTATION (2005 – 2009)**

<http://www.avalon-institute.org/IGCP>
<http://www.khas.edu.tr>

1st PLENARY MEETING AND FIELD TRIP OF PROJECT IGCP – 521
BLACK SEA-MEDITERRANEAN CORRIDOR DURING THE LAST 30 KY:
SEA LEVEL CHANGE AND HUMAN ADAPTATION (2005 – 2009)

Kadir Has University, Cibâli Campus
Haliç, İstanbul – Turkey
8 – 15 October 2005

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AIMS AND SCOPE

The main goal of the First Plenary Meeting and Field Trip of Project IGCP 521 is to bring scientists from western and eastern countries to encourage a dialogue on geological and archaeological evidences on the sea level change and human adaptation in the Black Sea-Mediterranean Corridor (“Corridor”) during the last 30 ky. Their participation is necessary (1) to discuss the actual status of our knowledge about the influence of the climate change and tectonics on the migration of the coastline as factors for human development in the “Corridor”, (2) to identify the main achievements to date, as well as the gaps in knowledge, (3) to discuss a scientific approach for integrating geological, prehistoric, historic and instrumental data (for the past century) in order to predict future geoecological situation in the region for risk assessment in coastal zones under various sea-level scenarios, (4) to provide cross-disciplinary and cross-regional correlation of geological, geochemical, geophysical, palaeontological, archaeological and historical records for the entire “Corridor”, (5) to introduce young scientists, especially from the Eastern countries to new analytical techniques and state-of-the-art interpretation of data, (6) to encourage east-west dialogue in the Earth, Exact, Atmospheric, and Historical Sciences and to integrate researchers from the various countries into the full international R&D community as required by the spirit of openness and cooperation of IGCP and UNESCO.

WELCOME

On behalf of Kadir Has University, Turkey, and the Avalon Institute of Applied Science, Canada, we are delighted to have you participate and contribute to the First Plenary Conference and Field Trip of IGCP 521: "Black Sea-Mediterranean Corridor During the Last 30 ky: Sea Level Change and Human Adaptation." Your participation will encourage east-west dialogue in the Earth, Exact, Atmospheric, and Historical Sciences and help to integrate researchers from the various countries into the full international R&D community as required by the spirit of openness and cooperation of IGCP, IGU, and UNESCO.

The Black Sea-Mediterranean Corridor is an integrated oceanographic system defined here as the large geographical area covering the Manych-Kerch Gateway (Manych Valley, the Sea of Azov and the Kerch Strait) that lies to the east of the Black Sea, the Black Sea, the Marmara Gateway (the Bosphorus Strait, the Sea of Marmara and the Dardanelles), the Aegean Sea, the Eastern Mediterranean and their coasts. During the Late Pleistocene, the Corridor was connected to the Caspian Sea via the Manych Gateway. Today, the Corridor is of strategic importance not only for all coastal countries but also for at least 17 other countries sharing a drainage basin that is one-third the size of the European continent. The Corridor acts as a paleoenvironmental amplifier and as a sensitive recorder of climatic events where sea level variations and coastline migration are especially pronounced due to its geographical location and semi-isolation from the open ocean. It also provides a linkage between the marine and continental realms. Over the past 30 ky, the Corridor has undergone a complicated history, which remains hotly debated. Lately, this region has spurred a tremendous international interest as a possible place where the biblical story of the Great Flood originated, encouraging a new round of controversial research on the hydrological regime in connecting straits, the transition from a lacustrine to a marine environment, the influence of the Black Sea outflow on deposition of the Eastern Mediterranean sapropels, and the past/present/future adaptation of humans to environmental change.

The main goal of the First IGCP 521 conference and field trip is to bring key people and young scientists from eastern and western countries together to share their knowledge about the geological and archeological history of the Corridor during the last 30,000 years. The purpose of the conference is also to: (1) to identify the main achievements to date, as well as gaps in knowledge about the influence of climate change and tectonics on coastline migration and human adaptation; (2) to discuss scientific approaches for integrating geological, prehistoric, historic and instrumental data (for the past century) available for the Corridor in data sets; and (3) to encourage east-west dialogue and to promote the integration of the countries' researchers in Earth, Exact, Atmospheric and Historical Sciences into the international R&D community.

IGCP 521– Turkey 2005 is the first in a series of conferences and field trips. The field trip will be hosted by the Çanakkale Onsekiz Mart University and conducted in the Marmara Region from October 9-11, 2005. The scientific sessions will be held at Kadir Has University from October 12-15, 2005. The next conferences and field trips will be carried out annually in the countries bordering the “Corridor”, e.g., Ukraine (2006), Russia (2007), Bulgaria and Romania (2008), and Israel (2009).

The 2005 conference and field trip is organized and sponsored jointly by Kadir Has University, Avalon Institute of Applied Science, Istanbul University and Çanakkale Onsekiz Mart University. We are very thankful to TUBITAK (Turkey), INTAS, INQUA, and IGCP for their financial contributions in support of the conference. We are also grateful to the International Quaternary Journal for inviting us to publish IGCP 521 – Turkey 2005 proceedings.

We are honored to have distinguished colleagues from many universities and research institutes in Australia, Azerbaijan, Bulgaria, Canada, Finland, France, Georgia, Germany, Greece, Iran, Israel, Romania, Russia, Switzerland, Turkey, Ukraine, United Kingdom, and the USA.

We also thank our hosts, Kadir Has University and Çanakkale Onsekiz Mart University, for their hospitality and all colleagues attending the conference for their contributions.

Welcome to Istanbul and Çanakkale and have a wonderful time in Turkey!

Sincerely,

Organizing and Executive Committee of IGCP 521-Turkey 2005

ORGANIZING AND EXECUTIVE COMMITTEE

Leaders	Valentina Yanko-Hombach (Avalon Institute of Applied Science, Canada) Yücel Yılmaz (Kadir Has University, Turkey) Pavel Dolukhanov (University of Newcastle upon Tyne, UK)
Executive Secretary	Tuncay Taymaz (İstanbul Technical University, Turkey)
Organizing Secretary	Oya Algan (İstanbul University, Turkey)
Field Excursions	Mehmet Özdoğan (İstanbul University, Turkey) Erdoğan Yiğitbaş (Çanakkale Onsekiz Mart University, Turkey) Doğan Perinçek (Yıldız Technical University, Turkey)
Technical Director	Irena Motnenko (Osorno Enterprises, Inc., Canada)
Members	Seda Hanoğlu (Kadir Has University, Turkey) Onur Tan (İstanbul Technical University, Turkey) Seda Yolsal (İstanbul Technical University, Turkey)

SCIENTIFIC COMMITTEE

Ilya Buynovich	Woods Hole Oceanographic Institution, USA
Allan Chivas	School of Earth and Environmental Sciences, University of Wollongong, Australia
Pavel Dolukhanov	School of Historical Studies, University of Newcastle upon Tyne, UK
Allan Gilbert	Fordham University, USA
Hayrettin Koral	İstanbul University, Turkey
Ronald Martin	University of Delaware, USA
Peta Mudie	Geological Survey Canada Atlantic
Silvia Spezafferi	Frioburg University, Switzerland
Valentina Yanko-Hombach	Avalon Institute of Applied Science, Canada Odessa National University, Ukraine

PROGRAMME

Saturday, October 8, 2005

- 14:00-19:00 Registration
19:00 Ice-breaking cocktail followed by dinner (19:30pm) at the Kadir Has University

Sunday, October 9, 2005 – CİBÂLİ HALL

- 8:30-9:00 Completing registration
9:00-9:30 Welcoming speeches and program outline by the Organizing Committee
10:00 Departure for the field trip

October 9-10-11, 2005 Field Trip

October 9 (10.00 am) Departure from İstanbul

Küçük Çekmece Lagoon-Büyük Çekmece Lagoon-Marmara Ereğlisi-Tekirdağ (stop over for lunch)-Ortaköy-Eceabat-crossing the Dardanelles to Çanakkale (night at Büyük Truva Hotel).

October 10 (9.00 am) Departure from Çanakkale

Çanakkale -Troas Region-Çanakkale – crossing the Dardanelles – visit to coastal terrace localities Gelibolu, İyisu Burnu, and Tepeköy-crossing the Dardanelles to Çanakkale (night at Büyük Truva Hotel).

October 11(9.00 am) Departure from Çanakkale

Çanakkale – visit the coastal terrace localities along the southern coast of the Dardanelles (Sarıyarlar, Pilavtepe and Kaplantepesi) –Karabiga -Manyas Lake -Ergilli (Ancient Daskilaion) - Muslu Çeşme-Bandırma.

Return to İstanbul by boat in the evening of October 11, 2005

SCIENTIFIC SESSIONS

Wednesday, October 12, 2005 - CİBÂLİ HALL

- 8:30-9:00 Opening Ceremony
9:00-9:30 IGCP 521 "Black Sea-Mediterranean Corridor during last 30 ky: Sea level change and human adaptation": An Overview of IGCP 521 project

V. Yanko-Hombach

PANEL 1: Climate, Sea Level Changes and Coastline Migration

Session 1: Geology, Geophysics, Hydrology and Sustainable Development

Chairpersons: N. Panin and R. Martin

- 9:30–10:00 Controversy of the Black Sea development since LGM
KEY-NOTE *N. Panin*
- 10:00–10:15 Onshore geophysics in paleo-shoreline research:
potential applications along the Black Sea
I.V. Buynevich
- 10:15–10:45 Influence of the Late Glacial Eurasian Water Flow (Great Flood)
on the Black Sea – Mediterranean Corridor (BSMC)
A. Chepalyga
- 10:45–11:00 **Coffee-break**
- 11:00–11:15 The newest geological history of the Black Sea and problem about the flood
D. P. Dimitrov, P. S. Dimitrov, D. P. Solakov and V. D. Peychev
- 11:15–11:30 A revised chronology for Danube delta:
Implications for the Black Sea level in late Holocene
*L. Giosan, J. Donnelly, E. Vespremeanu, S. Constantinescu, F. Filip,
I. Ovejanu, A. Vespremeanu-Stroe, G.A.T. Duller*
- 11:30–11:45 High resolution bathymetric and seismic studies in the Strait of Istanbul
(Bosphorus): evidences of erosion along the strait, and a delta formation at
the southern entrance
*E. Gökaşan, O. Algan, H. Tur, T. Görüm, B. Ecevitoglu, B. Tok,
H. Birkan and A. Türker*
- 11:45–12:00 Lowstand Marmara and Black Sea Shorelines
*L. Giosan, Y. Mart, C.M.G. McHugh, D. Vachtman, M.N. Çagatay,
K. Eris and W.B.F. Ryan*
- 12:00–13:00 **Lunch**
- 13:00–13:15 Preliminary results of bathymetric and seismic data from the Strait of Çanakkale
(Dardanelles)
*E. Gökaşan, F. Gül Batuk, T. Görüm, M. Özyalvaç, H. Birkan,
O. Algan, H. Tur, M. Ergin, T. Ustaömer, E. Meriç, A. Türker,
H. Caner, E. Kırıcı-Elmas, E. San D. Perinçek, Ş. Ersoy*
- 13:15–13:30 High resolution records show continuous sedimentation at 69 m water depth
on SW Black Sea Shelf disprove major Holocene flooding for the past 9.3 ka
*R.N. Hiscott, A.E. Aksu, K. Adetona, P.J. Mudie, M.A. Kaminski,
J.M. Evans, T. Abrajano, D. Yaşar and F. Marrett*
- 13:30–13:45 Controversy over the Great Flood hypotheses in the Black Sea in light of
geological, paleontological, and archaeological evidence
V. Yanko-Hombach, A. Gilbert and P. Dolukhanov

- 13:45-14:00 Problems of coastal erosion in the Russian sector of the Black Sea
R.D.Kos'yan
- 14:00-14:15 Paleooceanographic events on the Caucasian Black Sea shelf during the last
12 ka
I.O. Murdmaa, E.V. Ivanova, A. Tchepalyga, T. Cronin, O.V. Levchenko
- 14:15-14:30 Structural plan of Pliocene deposits and distribution of Quaternary sediments
in the north-eastern Black Sea based on seismic data
A.A. Pokryshkin and L.A. Yesina
- 14:30-14:45 Black Sea water budget at the Late glacial - Holocene transition
G. Georgievski and E.V. Stanev
- 14:45-15:00 Coffee-break
- 15:00-15:15 Modern fluid dynamics and Caspian Sea level change
D. Huseynov and E. Aliyeva
- 15:15-15:30 Paleoenvironmental history of the Black Sea during the last ca. 30 kyr
O. Kwiecien, B. Bahr, A. Arz, F. Lamy and G. Haug
- 15:30-15:45 Hydrology and hydrophysical processes in the Black Sea and
the Bosphorus Strait during the Pleistocene
N.V. Yesin
- 15:45-16:00 The current situation and perspectives on sustainable resource
management of the Crimean salt lakes
*I.I. Rudneva, V.G. Shaida, N.P. Kovrigina, O.A. Gulov,
S.O. Omelchenko and G.V. Symchuk*

PANEL 2: Geo-Information System

Session 2: Data elaboration

Chairpersons: E. Aliyeva and P. Dimitrov

- 16:00-16:15 Database Elaboration for Geoarchaeological Sites in the Coastal Areas of the
Black Sea (Ukraine)
M. Gladyshevskaya and K. Gridina

16:15 Poster session

Thursday, October 13, 2005 - CIBÂLI HALL

PANEL 1: Climate, Sea Level Changes and Coastline Migration

Session 3: Palaeontology and Biostratigraphy

Chairpersons: A. Chepalyga and V. Yanko-Hombach

- 8:30 – 9:00 Palynological evidence of climate, salinity and man's influence in the Black
Sea-Mediterranean Corridor during the last 30 ky: potentials and challenges
KEY-NOTE *P. Mudie and S.P. Harrison*

- 9:00-9:15 Microfaunal Response to Paleoenvironment Change in the Lower Pliocene Productive Series and Late Holocene Kura River Delta in the South Caspian Basin
A. Babazadeh and E. Aliyeva
- 9:15-9:30 Seashells from Crimean archeological complexes (Bronze Age- Early Medieval) as ancient human connections markers
I. Bondarev
- 9:30-9:45 The Paleoecological Archive of the Coastal Black Sea Lake Durankulak, Northeastern Bulgaria
E.D. Bozilova and S.B.Tonkov
- 9:45-10:00 Mediterranean mollusks from Eneolithic Khvalynian Burial Ground on the Middle Volga
I.V. Kirillova and S.V.Popov,
- 10:00-10:15 Marsh foraminifera and Holocene climate change: Application to the Black Sea?
E. Leorri and E. Martin
- 10:15-10:30 Paleoenvironments of the Marmara Sea coasts from paleontological and sedimentological data
E. Meriç and O. Algan
- 10:30-11:00 **Coffee-break**
- 11:00-11:15 Comparative evaluation of the Black Sea diatom diversity peculiarities based on various levels of taxonomic hierarchy
E. Nevrova and A. Petrov
- 11:15-11:30 The use of taxonomic distinctness indices for inter-regional assessment of the Black Sea benthic diatom diversity
A. Petrov and E. Nevrova
- 11:30-12:00 A method of identification of global versus local sea-level changes during the last 30 ky using high-resolution diatom records
V.S. Pushkar and M.V. Cherepanova,
- 12:00-13:00 **Lunch**

Session 4: Palynology

Chairpersons: C. E. Cordova and P. Mudie

- 13:00-13:15 Late Quaternary climate changes shown by palynological records from Marmara Sea
H. Caner
- 13:15-13:30 Holocene fossil and modern pollen records for reconstructing lowland and highland vegetation in southwestern Crimea
C.E. Cordova
- 13:30-13:45 Palaeoclimate and palaeoenvironment during the Late Pleistocene and Holocene recorded in marine and coastal lake sediments from the Western Black Sea area
M. Filipova – Marinova and E. Bozilova

- 13:45-14:00 Climatic oscillations in the foothills of Crimean Mountains during 30-10 ky BP
N. Gerasimenko
- 14:00-14:15 Palynological evidence for climatic change, anthropogenic activity and outflow of Black Sea Water during the late Pleistocene and Holocene: centennial- to decadal-scale records from Black, Marmara and Aegean Sea cores
P. J. Mudie, F. Marret, A.E. Aksu, and H. Gillespie

Session 5: Paleoclimatic Implications

Chairpersons: N. Gerasimenko and M. Filipova-Marinova

- 14:15-14:30 Paleoclimatic implications deduced from the evidences of LGM Glacier advance in Kaçkar Mountain Range, Northeast Turkey
N. Akçar, V.Yavuz, S. Ivy-Ochs, P.W. Kubik, M. Vardar and C. Schlüchter
- 14:30-14:45 Paleoclimatic implications from the freezing events in Bosphorus, Istanbul, Turkey
V. Yavuz, N. Akçar, and C. Schlüchter
- 14:45-15:00 Coffee-break

Session 6: Sedimentology, Geomorphology and Geochemistry

Chairpersons: O. Algan and I. Murdmaa

- 15:00–15:30 Palaeochemistry of isolation basins
A. Chivas
- KEY-NOTE**
- 15:30-15:45 Caspian Sea Level Change Past 1000 Years: Depositional History and Organic Carbon Cycle in the Delta of the Kura River
E. Aliyeva, S. Kroonenberg, D. Huseynov, J. Boels, R. Hoogendoorn, A. Babazadeh and M. Simmons
- 15:45-16:00 Late Quaternary climatic and sea-level changes recorded in sediments from the eastern Mediterranean Sea
M. Ergin
- 16:00-16:15 Neogene-Quaternary paleogeographic and biogeographic links between the Mediterranean and Euxino-Caspian basins
S.V., Popov and L.A. Nevesskaya
- 16:15-16:30 Geochemical proxies for climate and sea level changes in the Black Sea: Application, limitation and perspective
S. Spezzaferri, F. Tamburini and F. Thevenon
- 16:30 Poster session**
- 20:00 CITY TOUR-Istanbul by night (optional)**

Friday, October 14, 2005 - CİBÂLİ HALL

PANEL 1: Climate, Sea Level Changes and Coastline Migration

Session 7: Tectonics

Chairpersons: Y. Yılmaz and H. Koral

- 8:30 – 9:00
KEY-NOTE A morphotectonic approach to the development of the Bosphorus channel
Y. Yılmaz
- 9:00-9:15 The influence of neotectonics on hypsometrical position of the coastline:
implications for the Noah's Flood Hypothesis in the Black Sea
E. Larchenkov and S. Kadurin
- 9:15-9:30 Active tectonics in the Marmara region, NW Turkey: causes and consequences
H. Koral

PANEL 2: Influence of Environmental and Other Factors on Human Settlement: Archeological and Historical Evidences

Session 8: Archaeology and history

Chairpersons: M. Özdoğan and P. Dolukhanov

- 9:30 –10:00
KEY-NOTE The Black Sea the Sea of Marmara and the Aegean Sea: cultural spheres,
interaction and environmental setting
M. Özdoğan
- 10:00-10:15 Climate, Black Sea Levels and Human Settlements in Caucasus Littoral
50,000–9,000 Years Before Present
Kh.A. Arslanov, P. Dolukhanov and N.A. Gei
- 10:15-10:30 Climate Change, Sea-Level Fluctuations and Early Human Migrations
in the Caucasus
P. Dolukhanov
- 10:30-10:45 In the aftermath of the Black Sea catastrophe: The big bang in culture evolution
around 6,500 BCE in the Circum-Pontic region
H. Haarmann,
- 10:45-11:00 **Coffee-break**
- 11:00-11:15 The characteristics and the cultural relations between the north and Northeastern
Aegean islands during the Early Bronze Age
H. Hüryılmaz
- 11:15-11:30 Kartvelian Population of the Pontos in XIII-XV centuries
E. Jordania

- 11:30-11:45 Archaeological Evidence Along the Marmara basin
N. Karul
- 11:45-12:00 Complexity of the Processes of Neolithization: Tradition and Modernity of the Aegean World at the Dawn of the Holocene Period
M. Séfériadès
- 12:00-12:15 Paleoenvironmental reconstruction of the Kuma-Manych depression at 3 ka BC and human impact: a case study
N.I. Shishlina and A.V. Borisov
- 12:15-12:30 Diversity of Late Mesolithic human adaptations at North-Western part of Black Sea steppe region
E. Smyntyna
- 12:30-13:00 Lunch

PANEL 3: GIS-Added Mathematical Modeling

Session 9: Climate and Sea Level Modeling

Chairpersons: V. S. Pushkar and I.V. Buynevich

- 13:15–13:45
KEY-NOTE Application of mathematical modelling to reconstructing global sea-level changes for the past 30 ky
V. S. Pushkar, G. V. Alekseev, M. V. Cherepanova, O. Y. Likhacheva, O. V. Soboleva and D. A. Tereshko
- 13:34-14:00 Black Sea and Caspian Sea level changes: Links to the East European river runoff and global climate changes
A. Kislov and P. Toropov
- 14:00-14:15 Rapid Caspian Sea-level fluctuations and hydrodynamic impact on beach morphodynamics based on GIS modeling
H. Khoshnavan
- 14:15-14:30 Modelling of coastline position along north-western part of the Black Sea for the past 25 ky
E. Larchenkov and V. Kadurin
- 14:30-14:45 The role of climatic factors in the Black and Caspian sea-level changes during the Holocene
N. Lemeshko, T. Gronskaya and I. Borzenkova
- 14:45-15:00 Coffee-break

PANEL 4 Round Table – IGCP 521 Potentials and Challenges

Reports of Regional Coordinators

Time	Name	Regional Group	Area
15:00-15:10	A. Chepalyga, Russia	1	Manych-Kerch Gateway
15:10-15:20	E. Konikov and E. Smyntyna, Ukraine	3	North-western coast of the Black Sea
15:20-15:30	N. Panin, Romania	4	Western coast of the Black Sea
15:30-15:40	A. Pokryshkin, Russia, and P. Dolukanov, UK	5	Caucasian coast of the Black Sea
15:40-15:50	O. Algan and M. Özdoğan, Turkey	6	Southern coast of the Black Sea
15:50-16:00	N. Karul, Turkey, and P. Mudie, Canada	7	Marmara Gateway
16:00-16:10	M. Séfériadès, France	8	Aegean coast

Reports of Coordinators of the Working Groups

Time	Coordinators	Working Group	Field
16:10-16:20	A. Chepalyga, Russia, V. Pushkar and V. Yanko-Hombach, Canada, Ukraine	1	Palaeontology and biostratigraphy
16:20-16:30	C. Cordova, USA, and P. Mudie, Canada	2	Palynology
16:30-16:40	V. Kadurin, Ukraine	4	Sedimentology and mineralogy
16:40-16:50	A. Chivas, Australia, S. Spezzaferrri, Switzerland and F. Tamburini, Switzerland	5	Geochemistry
16:50-17:00	H. Koral, Turkey, E. Larchenkov, Ukraine, and Y. Yilmaz, Turkey	6	Structural geology and active tectonics
17:00-17:10	Ya. Izmailov, Russia Geomorphology	7	
17:10-17:20	M. Özdoğan, Turkey	9	Archaeology
17:20-17:30	Kh. Arslanov, Russia	10	Radiocarbon chronology
17:30-17:40	G. Alekseev and A. Kislov, Russia GIS-added mathematical modeling	11	

17:40 **Closing of the Meeting**

Y. Yilmaz

Invitation to IGCP-521 Second Plenary Meeting and Field Trip in Odessa,
Ukraine, August 20-27, 2006

E. Smyntyna

19:00 **Closing Dinner**

POSTER PRESENTATIONS

- 1 Patterns of Late Quaternary glacio-eustatic changes revealed in Kuban deep-water fan seismic records
V.M. Andreev, A.Yu. Glebov and S.K. Shelting
- 2 Taxonomical composition and distribution of Foraminifera in the surface sediment from the coastal part of Crimea (the Black Sea)
O.V. Anikeyeva
- 3 The Dead Sea fault: structure, palaeoclimate and influence on mankind
Z. Ben-Avraham, N. Goren-Inbar, A. Almogi-Labin, U. Schattner and Y. Avni
- 4 Comparative morphostratigraphy of barrier-fronted saltponds (Cape Cod, USA) and limans (NW Black Sea, Ukraine): implications for sea-level rise
I.V. Buynevich
- 5 Late Quaternary Benthic Foraminifera assemblages in the North Evoikos Basin, Aegean Sea
H. Drinia, G. Anastasakis and A. Antonarakou
- 6 The East Coasts of the Sea of Azov and the Black Sea: A summary of the history the short characteristic of representative territories for the studying of history of the last 30,000 years
Y.A. Izmailov
- 7 Climate and sea-level changes along the north-eastern Black Sea coast over the past 5.0 ky
P.A. Kaplin., A.V. Porotov, T.A.A. and Yu.V. Gorlov
- 8 Coastline migration and periodicity of sedimentation on the northwest shelf of the Black Sea in Late-Pleistocene and Holocene
E.G. Konikov
- 9 Applications of live benthic foraminifera of the Black Sea to paeleoenvironmental reconstructions
A. Kravchuk
- 10 Marsh foraminifera and Holocene climate change: Application to the Black Sea?
E. Leorri and R. E. Martin
- 11 Dnieper River discharge and sea-level dynamics of the northwestern Black Sea
O. Likhodedova and E.G. Konikov

- 12 Oceanographic data: Principles of organization and standards for systematization
A.M. Lyakh, O.V Sergeeva. and M.I. Silakov
- 13 Comparative studies of the Late Neogene foraminifera of the Eastern Paratethys and recent foraminifera of the Mediterranean
L. Maissuradze and K. Koiava
- 14 Regularities of Holocene evolution and stages of modification of coastal accumulation forms on Dzharylgach Island
G. Pedan and E. Konikov
- 15 Coastal land morphology in the Aegean and Ionian seas during the last glacial maximum and the following transgression. Impacts on human settlements
C. Perissoratis
- 16 Geological and geoecological aspects of mud volcano processes of the Azov-Black Sea basin
M.F. Pilipchuk
- 17 Tectonic isolation of the Levant basin offshore Galilee-Lebanon - Effects of the Dead Sea fault plate boundary on the Levant continental margin, eastern Mediterranean
U. Schattner, Z. Ben-Avraham, M. Lazar, C. Hübbscher
- 18 Resting eggs of Cladocera in the modern bottom sediments of the Black Sea
N.G. Sergeeva
- 19 Paleomorphology of the pre-Akchaglian eroded surface on the SW margin of the Kurian Trough
A. M Suleymanov
- 20 The influence of the Caspian Sea on the Black Sea at the end of the Late Pleistocene and Holocene
A.A. Svitoch
- 21 Caspian - Black Sea Corridor during last 30 ky: Didacna's evidence
T.A. Yanina
- 22 Holocene Caspian sea-level changes as recorded in microelemental composition of bottom sediments
G. Zal and E. Aliyeva

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