



ФОНД „НАУЧНИ ИЗСЛЕДВАНИЯ“

NATIONAL SCIENTIFIC FUND

СБОРНИК С РЕЗЮМЕТА CONFERENCE ABSTRACTS

МЕЖДУНАРОДНА КОНФЕРЕНЦИЯ
АРХЕОЛОГИЯ И ПРОГНОЗНО МОДЕЛИРАНЕ

INTERNATIONAL CONFERENCE
ARCHAEOLOGY AND PREDICTIVE MODELLING

Организатор

Organizer

Съорганизатори

Co-organizers

Център за подводна археология

Centre for Underwater Archaeology

*Катедра „Картография и ГИС“, СУ „Св.Климент
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Фондация „Созопол“

Sozopol Foundation

Община Царево

Tzarevo Municipality

Общински исторически музей, Царево

Museum of History, Tzarevo



26-30 май 2011, Ахтопол, България

May 26-30, 2011, Ahtopol, Bulgaria

**ПРОГРАМА
PROGRAMME**

**26 МАЙ 2011 – ПРИСТИГАНЕ НА УЧАСТНИЦИТЕ И НАСТАНЯВАНЕ
26 MAY 2011 - ARRIVAL**

27 МАЙ 2011 / 27 MAY 2011

**9.00 – Официално откриване на конференцията
9.00 – Official opening of the conference**

СУТРЕШНА СЕСИЯ / MORNING SESSION

**ТЕМА 1. ПРОГНОЗНО МОДЕЛИРАНЕ В АРХЕОЛОГИЯТА. Теория
THEME 1. ARCHAEOLOGICAL PREDICTIVE MODELLING. Theoretical
approach**

10.00 – 10.50 - Kenneth L. Kvamme (САЩ, USA)

FANTASTIC JOURNEY: MODELING ARCHAEOLOGY AND THE PAST

10.50 – 11.30 - Bo Ejstrud, Thijs Maarleveld (ДАНИЯ, DENMARK)

VARIATION AND LANDSCAPE

11.30 – 11.50 – ПОЧИВКА / COFFEE BREAK

11.50 – 12.30 - Hans Kamermans (ХОЛАНДИЯ, THE NETHERLANDS)

THE ARCHAEOLOGICAL TREASURE MAP.
CAN WE PREDICT THE LOCATION OF ARCHAEOLOGICAL SITES?

12.30 – 13.10 - Philip Verhangen (ХОЛАНДИЯ, THE NETHERLANDS)

TAKING IT OUT TO THE SEA: SOME IDEAS ON THE DEVELOPMENT OF COMBINED
TERRESTRIAL-UNDERWATER PREDICTIVE MODELS

13.10 – 13.40 – ДИСКУСИЯ /DISCUSSION/

13.40 – ОБЯД /LUNCH

СЛЕДОБЕДНА СЕСИЯ / AFTERNOON SESSION

ТЕМА 1. ПРАКТИЧЕСКО ПРИЛОЖЕНИЕ НА ПРОГНОЗНОТО МОДЕЛИРАНЕ В АРХЕОЛОГИЯТА

THEME 1. ARCHAEOLOGICAL PREDICTIVE MODELLING IN PRACTICE

15.00 – 15.40 - Anders Fischer (ДАНИЯ, DENMARK)

SUCCESSFULLY FINDING NEEDLES IN THE HAYSTACK – PREDICTIVE MODELS IN WESTERN BALTIC UNDERWATER HERITAGE MANAGEMENT

15.40 – 16.20 - Thomas G. Whitley (САЩ, USA)

RECENT RESULTS OF PALEOECONOMIC AND ARCHAEOLOGICAL PREDICTIVE MODELING IN COASTAL GEORGIA (USA)

16.20 – 16.50 - Jan Gerrit de Boer (ХОЛАНДИЯ, THE NETHERLANDS)

PREDICTIVE MODELS AND THE ARCHAEOLOGICAL UNDERWATER SURVEY OF THE RIVER “UTRECHTSE VECHT” IN THE NETHERLANDS, J.G. DE BOER, WATERNET

16.50 – 17.10 – ПОЧИВКА / COFFEE BREAK

THEME 2. 3D MODELLING AND SPATIAL STUDIES IN GIS ENVIRONMENT

17.10 – 17.30 – Julia Tzvetkova, Georgi Nekhrizov (БЪЛГАРИЯ, BULGARIA)

KAZANLAK FIELD SURVEY 2009-2010: GIS FOR ARCHAEOLOGICAL MAP OF BULGARIA

17.30 – 17.50 – Iliyan Panchev, Georgi Milev (БЪЛГАРИЯ, BULGARIA)

APPLICATION OF LIDAR TECHNOLOGY FOR ARCHAEOLOGICAL PREDICTIVE MODELING

17.50 – 18.10 - Emilia Tcherkezova (BULGARIA)

AUTOMATIC DERIVATION AND ESTIMATION OF HEIGHT ACCURACY DIGITAL TERRAIN MODEL FROM LIDAR DATA FOR GEO-ARCHAEOLOGICAL INVESTIGATIONS IN ADA TEPE, SOUTHERN BULGARIA

18.10 – 18.40 -Alexandre Baralis, Pascal Lebouteiller (ФРАНЦИЯ, FRANCE), Krastina Panayotova (БЪЛГАРИЯ, BULGARIA)

3D MODELLING AND SPATIAL STUDIES IN GIS ENVIRONMENT OF ANCIENT GREEK CITIES' TERRITORY (APOLLONIA PONTICA, BULGARIA)

18.40 – 19.10 - Nayden Prahov, Hristina Angelova, Totko Stoyanov, Anton Popov, Alexander Kotsev, Stelian Dimitrov (БЪЛГАРИЯ, BULGARIA)

PREDICTIVE MODELLING AND UNDERWATER CULTURAL HERITAGE

19.10 – 19.40 – ДИСКУСИЯ /DISCUSSION

19.40 – ВЕЧЕРЯ /DINNER

28 МАЙ 2011 / 28 MAY 2011

СУТРЕШНА СЕСИЯ / MORNING SESSION

**ТЕМА 1. ИЗГРАЖДАНЕ НА БАЗАТА ДАННИ ЗА АРХЕОЛОГИЧЕСКИ
ПРОГНОЗНИ МОДЕЛИ**

**THEME 1. THE ARCHAEOLOGICAL PREDICTIVE MODELS DATA
SET(S)**

9.00 – 9.20 - Mirena Slavova (БЪЛГАРИЯ, BULGARIA)

WHY DO NOT WE HAVE ANCIENT EPIGRAPHIC MONUMENTS BETWEEN THE
DEVIL RIVER AND THE KARAAGACH RIVER?

**9.20 – 9.50 - Mariana V. Filipova-Marinova (БЪЛГАРИЯ, BULGARIA), Simon E.
Connor (ПОРТУГАЛИЯ, PORTUGAL), Eliso V. Kvavadze (ГРУЗИЯ, GEORGIA)**

ABSOLUTE POLLEN PRODUCTIVITY AND ITS USE IN RECONSTRUCTING PAST
LANDSCAPES OF THE BLACK SEA REGION

9.50 – 10.20 - Eliso Kvavadze (ГРУЗИЯ, GEORGIA)

RECONSTRUCTION OF ENVIRONMENTAL CHANGES IN THE BLACK SEA REGION
OF GEORGIA DURING THE HOLOCENE CLIMATIC OPTIMA USING THE POLLEN
MONITORING DATA

10.20 – 10.40 – ПОЧИВКА / COFFEE BREAK

10.40 – 11.20 - Geoffrey N. Bailey (ВЕЛИКОБРИТАНИЯ, UK)

CONTINENTAL SHELF ARCHAEOLOGY: CHALLENGES AND FUTURE PROSPECTS

11.20 – 12.00 - Vincent Gaffney (ВЕЛИКОБРИТАНИЯ, UK)

NOT DROWNING BUT WAVING! RECENT WORK ON DOGGERLAND

12.00 – 12.40 – Jan Harff, Friedrich Lüth (ГЕРМАНИЯ, GERMANY)

SINKING COASTS IN THE SOUTHWESTERN BALTIC

12.40 – 13.20 – ДИСКУСИЯ /DISCUSSION

13.30 – ОБЯД /LUNCH

СЛЕДОБЕДНА СЕСИЯ / AFTERNOON SESSION

**15.00 – 15.30 – Glicherie Caraivan, Valentina Voinea, Daniela Popescu (РУМЪНИЯ,
ROMANIA)**

ROMANIAN BLACK SEA SHELF: SUBMERGED PREHISTORIC HERITAGE POTENTIAL

**15.30 – 16.00 - Lyubomir Dimitrov, Elena Borisova, Valentina Doncheva
(БЪЛГАРИЯ, BULGARIA)**

SOME RESULTS FROM MULTI-BEAM SCANNING OF THE BULGARIAN SHELF
CONCERNING UNDERWATER HERITAGE

16.00 – 16.30 – Mario Stasi (ИТАЛИЯ, ITALY)

THE APPLICATION OF THE VIDEORAY ROV IN UNDERWATER ARCHAEOLOGICAL
RESEARCH

**ТЕМА 2. КОНВЕНЦИЯТА НА ЮНЕСКО ЗА ОПАЗВАНЕ НА
КУЛТУРНОТО НАСЛЕДСТВО ПОД ВОДА. НОВИТЕ ПЕРСПЕКТИВИ**

**THEME 2. THE UNESCO CONVENTION ON THE PROTECTION OF
UNDERWATER CULTURAL HERITAGE: THE NEW PERSPECTIVES**

16.30 – 17.00 – Barbara Egger (ФРАНЦИЯ, FRANCE)

UNESCO CONVENTION ON THE PROTECTION OF THE UNDERWATER CULTURAL
HERITAGE

17.00 – 17.30 – ПОЧИВКА / COFFEE BREAK

17.30 – 19.00 – ДИСКУСИЯ /DISCUSSION

ОСНОВНИ ТЕМИ /MAIN TOPICS:

1. Изграждане на базата данни за създаване на прогнозни модели /
Development of a predictive model database;
2. Законодателство и управление на културното наследство под вода /
Legislation and management of underwater cultural heritage;
3. Прогнозно моделиране и международно сътрудничество / Predictive
modelling and international collaboration;

Ще бъдат обсъждани и различни теми, предложени от участниците в
конференцията / Any other topics proposed by attendants would be most
welcome.

29 МАЙ 2011 / 29 MAY 2011

9.00 – Посещение на постоянната археологическа изложба на Центъра за
подводна археология в Китен *ТАЙНИ ОТ МОРСКОТО ДЪНО.* / Visit to
Kiten - *SECRETS FROM UNDERWATER* – Archaeological Exhibition of
the Centre for Underwater Archaeology;

Посещение на музеи и обекти в гр. Созопол / Visit to museums and sites
in Sozopol.

13.30 – ОБЯД по покана на Фондация „Созопол” / LUNCH hosted by
SOZOPOL FOUNDATION

19.00 – Връщане в Ахтопол / Return to Ahtopol

20.00 – ВЕЧЕРЯ / DINNER/

30 МАЙ 2011 / 30 MAY 2011

ОТПЪТУВАНЕ НА УЧАСТНИЦИТЕ В КОНФЕРЕНЦИЯТА / DEPARTURE