

**International Committee on Global Geological and
Environmental Change “GEOCHANGE”** (*Munich, Germany*)
Ondokuz Mayıs University (*Samsun, Turkey*)
Halberg Chronobiology Center (*Minneapolis, USA*)
International Academy of Science H&E (*Innsbruck, Austria*)
Russian Academy of Sciences (*Moscow, Russia*)
Pakistan Academy of Sciences (*Islamabad, Pakistan*)
World Organization for Scientific Cooperation (*Munich, Germany*)
SETAC Chemistry and Industry (*Istanbul, Turkey*)
Global Network for the Forecasting of Earthquakes (*GNFE, London, UK*)

PROGRAM

Natural Cataclysms and Global Problems of the Modern Civilization

WORLD FORUM – INTERNATIONAL CONGRESS

September 19-21, 2011 – Istanbul, Turkey

Istanbul – 2011

**International Committee on Global Geological and
Environmental Change “GEOCHANGE”** (*Munich, Germany*)
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Global Network for the Forecasting of Earthquakes (*GNFE, London, UK*)

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ADDRESS BY THE WORLD FORUM'S ORGANIZERS

Occurrence of natural cataclysms during the whole history of Earth's geological development was not the same as periods of relative stability would alternate with periods of maximum activity.

In recent years, the number and energy of natural cataclysms have risen sharply. Expert estimates of natural disaster dynamics by IPCC UNO, IC GCGE GEOCHANGE and other international bodies reveal the persisting tendency of the number and energy of the natural cataclysms caused by anthropogenic and natural factors to grow.

Humanity ought to find methods and ways of consolidating efforts to jointly confront natural cataclysms, adopt new international regulations, establish additional bodies to effectively manage emergency situations and develop procedures on formation of special financial foundations and justified distribution of financial resources in disaster-stricken areas.

Efficient planning of the world's financial system largely depends on correct assessment of the tendencies of global environmental change and possible scale of natural cataclysms in the near future.

GEOCATAclysm-2011 Congress Program

19 SEPTEMBER 2011

Welcoming speech time at the Congress: 10 minutes

Plenary speech time at the Congress: 15 minutes

Section speech time: 15 min (including discussion)

08:00 - 10.30 - Registration of congress participants

10:30-13:00 - PLENARY SESSION

**CHAIRPERSONS: Prof. Dr. Elchin Khalilov, Prof. Dr. Walter Kofler,
Prof. Dr. Ahmet Bulut**

Prof. Dr. Elchin Khalilov, Chairman of the Congress Board, Chairman of the International Committee "GEOCHANGE" on Global Geological and Environmental Change (Germany, Munich):

- Opening of the Congress and welcoming the participants and visitors of the congress on behalf of the Board;

Prof. Dr. Franz Halberg, Honorary Chairman of the Congress Board, Honorary Director of the Halberg Chronobiology Center of the University of Minnesota (USA, Minneapolis):

- Welcoming of congress participants and visitors;

Prof. Dr. Ahmet Bulut, Vice Rector of 19 Mayıs University

- Welcoming of congress participants and visitors;

Prof. Dr. Walter Kofler, Honorary Co-Chairman of the Congress Board, President of the International Council of Scientific Development/International Academy of Science Health and Ecology (Austria, Innsbruck):

- Welcoming of congress participants and visitors;

Prof. Dr. Nikolay Pavlovich Laverov, Honorary Co-Chairman of the Congress Board, Vice President of the Russian Academy of Sciences (Russia, Moscow):

- Welcome speech: "Natural and Man-Caused Catastrophes: New Challenges and Threats for Sustainable Development";

Prof. Dr. Atta-ur-Rahman, Honorary Co-Chairman of the Congress Board, President of the Pakistan Academy of Sciences, Coordinator General COMSTECH (Pakistan, Islamabad)

- Welcoming of congress participants and visitors;

Prof. Dr. E. Khalilov, Chairman of World Forum - International Congress GEOCATAclysm-2011, Chairman of the International Committee "GEOCHANGE" (Germany, Munich):

- Plenary speech "Global geological and environmental change: threatening the stable development of civilization"

13:00 – 14:30 – Lunch

14:30 – 16:00 - PLENARY SESSION (continues)

CHAIRPERSONS: Prof. Dr. Nikolay Laverov, Prof. Dr. Atta-ur-Rahman

Z.A. Samedzade, E.N. Khalilov, Union of Economists of Azerbaijan (Baku, Azerbaijan), International Committee GEOCHANGE (Munich, Germany)

Natural Cataclysms as a Global Factor of Influence on the World Economy.

International Committee "GEOCHANGE" presents:

- Presentation of the Social Network "ArkNow" for preparation of people for natural disasters

Demonstration of a documentary titled "Earthquake and tsunami in Japan on 11 March, 2011"

16:00 – 16:30 – Coffee break

16:30 – 18:30 – CONGRESS SESSIONS

SPECIAL SECTION "EARTHQUAKE FORECASTING -2011(EFC-2011)"

CHAIRPERSONS: Prof. Dr. Elchin Khalilov, Dr. Alexander V. Kendzera, Prof. Dr. Wahyudi, Prof. Dr. Victor Dedenok, Dr. Pavel Kalenda, Prof. Paraskevas D. Savvaidis

Kuang-Jung Chen, Bonbbon Chiu, Cheng-Horng Lin, Jann-Yenq Liu, Kevin Chao
GEOMAGNETIC VARIATIONS BEFORE THE 1999 CHI-CHI EARTHQUAKE ($M_w=7.6$)

P. Kalenda, L. Neumann
EARTHQUAKE PREDICTION – WORLD-WIDE TASK

Ladan Bazgir
WHAT IS AN EARTHQUAKE?

M.S. Boughacha, M. Ouyed, M. Idres, A. Bourmatte
STRESS TRANSFER IN NORTHERN ALGERIA AND ADJACENT REGIONS FOR EVENTS $M \geq 6$ THROUGH 1980-2004

Nassir S.N. Al-Arifi
SPATIAL DISTRIBUTION OF MAXIMAL EARTHQUAKE EFFECTS IN THE RED SEA REGION

A. Bala, A. Aldea, S. Florin Balan, C. Arion
ASSESSMENT OF THE SEISMIC SITE EFFECTS BASED ON EARTHQUAKE RECORDINGS AND IN SITU BOREHOLE MEASUREMENTS IN BUCHAREST, ROMANIA

D. Gospodinov
APPLICABILITY OF THE RESTRICTED EPIDEMIC TYPE AFTERSHOCK SEQUENCE (RETAS) MODEL TO DESCRIBE GENERAL SEISMICITY IN THE AREA OF THE IZMIT M7.4 EARTHQUAKE OF AUGUST 1999

Boko Nurdiyanto, Hendri Subakti, I Putu Pudja
INTEGRATION OF GEOPHYSICAL PARAMETERS ANALYSIS IN THE EARTHQUAKE REDICTABILITY

SECTION 1. EARTH SCIENCES

Subsection: Geology and Geophysics

CHAIRPERSONS: Acad. Vitaly Starostenko, Dr. Rumiana Glavcheva, Prof. Dr. Nikolay Laverov, Ph.D. Alper Sengul, Dr. Tamara Tsutsunava, Prof. Victor Osipov, Dr. Margarita Matova.

A. Mohsen, G. Asch, J. Mechie, R. Kind, R. Hofstetter, M. Weber, M. Stiller, K. Abu-Ayyash
CRUSTAL STRUCTURE OF THE DEAD SEA BASIN (DSB) FROM A RECEIVER FUNCTION ANALYSIS

M. Sadaoui, O. Naioua, R. Chaouchi

PETROPHYSICAL PROPERTIES AND COMPARTMENTALIZATION BY GEOCHEMICAL APPROACH OF TANK TAGI. BASIN OF BERKINE. SAHARIAN PLATFORM

Dilshad Hussain, Abu Taleb

NATURAL DISASTERS IN THE INDIAN OCEAN REGION

Mohamed Said Guettouche

MODELING AND ASSESSMENT OF LANDSLIDES RISK. APPLICATION ON THE SLOPES OF THE ALGERIAN TELL

K.M. Leptokaropoulos, E.E. Papadimitriou, B. Orlecka-Sikora, V.G. Karakostas

MODELING SEISMICITY RATE CHANGES IN THE AEGEAN AREA AFFECTED BY STRESS FIELD CHANGES

M. Alper Sengul, Selda Altuncu Poyraz

SEISMICITY AND RISK POTENTIAL OF THRACE REGION, NOW TURKEY

Jestin Nordin, Andrew Charleson

TSUNAMI RESPONSIVE ARCHITECTURE: THE USE OF MULTI-GRID COUPLED TSUNAMI MODEL PROGRAMME TO REDEFINE COASTAL ARCHITECTURAL DESIGN STRATEGIES AND DECISION MAKING

Subsection: Atmosphere and Climate Change

CHAIRPERSONS: Prof. Dr. Rza Mahmudov, Prof. Tsisana Basilashvili

Christoph J. Blasi

THE HYDROLOGICAL CYCLE AND NATURAL CATAclysms IN THE MODERN CIVILIZATION

T. Basilashvili, M. Tatishvili, M. Elizbarashvili, S. Elizbarashvili, J. Tabatadze, M. Janelidze

CATASTROPHIC EVENTS ON THE BLACK SEA RIVERS AGAINST THE BACKGROUND OF GLOBAL CLIMATE CHANGE, THEIR DEVELOPMENT TENDENCIES AND ADAPTATION ACTIVITIES

SECTION 2. ECONOMY, FINANCES, INTERNATIONAL LAW

CHAIRPERSONS: Mr. Fuad Damirov, Ms. Tatiana Maslova

Ozden Timurlenk, Kubilay Kaptan

EFFECTS OF NATURAL DISASTERS ON ECONOMY, TURKEY CASE

Saied Jafarzadeh, Mohd Nizam Ab Rahman, Behzad Nadi, Elmira Shamshiry

OPTIMIZATION OF EXPENSES FOR MANUFACTURING COMPANY BY STATISTICAL MODEL

Seyed Reza Eftekhari

DEBATES ON LEGITIMACY AND COOPERATION: INTERNATIONAL LAW OF SOCIO-ECONOMIC INSTITUTIONS

SECTION 3. COSMIC-TERRESTRIAL RELATIONS, CHRONOBIOLOGY, BIOCOS PROGRAM

CHAIRPERSONS: Prof. Dr. Franz Halberg, Prof. Dr. Abdullah Alabdulgader, Dr. Yoshihiko Watanabe, Dr. Germaine Cornelissen, Ms. Vera Brandes

F. Halberg, G. Cornelissen, G.S. Katinas, P. Grambsch, D. Hillman, O. Schwartzkopff

META-ANALYTIC HISTORY OF CONGRUENT CYCLES IN SPACE WEATHER, THE HUMAN MIND AND OTHER AFFAIRS

G.Cornelissen, H.Wendt, F. Halberg

CYCLES IN THE OCCURRENCE OF MAJOR EARTHQUAKES

Y. Watanabe, F. Halberg, K. Otsuka, G. Cornelissen
PHYSIOLOGICAL CHANGES IN RELATION TO THE 2011 EAST JAPAN EARTHQUAKE

SECTION 4. HEALTH CARE

CHAIRPERSONS: Dr. Yoshihiko Watanabe, Prof. Dr. Farkhanda Sadikhova, Dr. Yusuf Sait Türkan, Prof. Alexander Panichev, Mrs. Sevilya Muradkhanova

Mona Khaleghy Rad, Alexander Brenning, Stephen G. Evans
SPATIAL ANALYSIS OF EARTHQUAKE FATALITIES IN THE MIDDLE EAST, 1970-2008

Bunthose Rungpesh, Bunthose Pyrush, Areerat Phlitnontkiat, Buaklai Tankimhong, Piangdao Khamnuengsitthi
FACTORS AFFECTING THE FIRST ATTEMPT STANDARD TEST ACHIEVEMENT FOR PUBLIC HEALTH STUDENTS IN THAILAND

Linda M. Whiteford, Graham A. Tobin, Eric C. Jones, Arthur Murphy
VOLCANIC ERUPTIONS AND URBAN LANDSLIDES: HEALTH FOLLOWING DISASTERS

Yusuf Sait Turkan, Murat Anbarci
AN EXAMINATION OF WORK ACCIDENTS IN THE TURKISH CONSTRUCTION SECTOR USING FAILURE MODE AND EFFECT ANALYSIS AND THE DEVELOPMENT OF A SUSTAINABLE MODEL FOR MINIMIZING ACCIDENTS

SECTION 5. EMERGENCY MANAGEMENT AND COMMUNICATION SYSTEMS

CHAIRPERSONS: Prof. Habib Odjagov, Ph.D., MPH. Linda Whiteford, Prof. Robert Ilyazov, Mr. Elmar Ahmadov

Safar Ghaedrahmati, R. Ghaneie, A. Bagheri
AN ANALYSIS OF IRAN'S CITIES DISTRIBUTIONS IN RELATED TO EARTHQUAKE HAZARD

El Sayed, El Gammal
IMPACT OF GEOENVIRONMENTAL HAZARDS IN EAST CAIRO, EGYPT

SECTION 6. CONSTRUCTION

CHAIRPERSONS: Prof. Dr. Cengiz Toklu, Prof. Dr. Azer A. Kasimzade, Dr. Shakir Mamedov

Cevdet Emin Ekinci
THE ELEMENTS OF BIOHARMOLOGICAL BUILDING DESIGN

T.A. Laniyan, A.F. Abimbola, M.K. C Sridhar
GEOCHEMICAL EVALUATION OF ARSENIC IN EFFLUENTS, SURFACE AND GROUNDWATER IN IBADAN METROPOLIS AND POSSIBLE REMEDIATION METHODS

SECTION 7. ECOLOGY AND ENVIRONMENT

CHAIRPERSONS: Ph.D. Adrian Toader-Williams, Dr. Parthena Marios Paradisopoulou, Dr. Biserka Risto Dimiskovska

Y. Smara, S. Bouchaib, S. Malki
OIL SPILL DETECTION AND IDENTIFICATION USING RADAR SAR IMAGES APPLIED TO THE ALGERIAN COASTS

L. Sail, f. Ghomar, A. Bezzar, O. Benali
COMPARATIVE STUDY OF THE INFLUENCE OF THE IONS Na^+ AND K^+ IN THE INHIBITION PROCESS BY MASS LOSS

20 SEPTEMBER 2011

9:30-13:00 – CONGRESS SESSIONS

SPECIAL SECTION "EARTHQUAKE FORECASTING -2011(EFC-2011)"

CHAIRPERSONS: Prof. Dr. Elchin Khalilov, Dr. Alexander V. Kendzera, Prof. Dr. Wahyudi, Prof. Dr. Victor Dedenok, Dr. Pavel Kalenda, Prof. Paraskevas D. Savvaidis

O.V. Martynov, S.A. Shopin, S.P. Kurotchenko, R.V. Parshutin, V.A. Shopin, P.V. Anikeev, J.V. Chapkova
ULF VARIATIONS OF THE GRAVITATIONAL FIELD AND INSTRUMENTATION SYSTEM FOR THEIR REGISTRATION

Elchin Khalilov, Vitaly Starostenko, Ahsan Mubarak, Muhammad Qaisar, Rani Sjamsinarsi, Junun Sartohadi, Wahyudi, Cavit Yatman
GLOBAL GRAVITATIONAL EFFECTS BEFORE AND AFTER STRONG M8.9 EARTHQUAKE IN JAPAN ON 11 MARCH 2011

O.V. Martynov, S.A. Shopin, S.P. Kurotchenko, R.V. Parshutin, V.A. Shopin, P.V. Anikeev, J.V. Chapkova
EARTHQUAKE PREDICTION USING ULF VARIATIONS OF THE GRAVITATIONAL FIELD

V. Saltykov
SEISMIC NOISE MONITORING: APPLICATION FOR LARGE EARTHQUAKE PREDICTION IN KAMCHATKA

V. Chebrov, V. Saltykov, Yu. Serafimova
KAMCHATKA EXPERT COUNCIL FOR EARTHQUAKE FORECASTING: EXPERIENCE AND RESULTS

A.A. Emanov, E.V. Leskova, A.F. Emanov, A.F. Fateyev, A.A. Demidova
AFTERSHOCK PROCESS OF CHU EARTHQUAKE

A.F. Emanov, A.A. Emanov, E.V. Leskova, A.F. Fateyev
TRIGGER EFFECTS IN DEVELOPMENT OF INDUCED SEISMICITY

Yu.I. Kolesnikov, E.A. Hogojev
SEISMIC EMISSION FROM ACTIVE ZONE UNDER SURFACE RUPTURE ARISING AFTER STRONG EARTHQUAKE

T. Tsvetkova, I. Bugaienko, A. Kendzera, V. Starostenko
MANTLE VELOCITY STRUCTURE UNDER EAST EUROPE AND VRANCEA EARTHQUAKES

B.B. Kapochkin, N.V. Kucherenko, A.B. Kapochkina, M.B. Kapochkina
SHORT-TERM PREDICTION OF MARINE EARTHQUAKES AND TSUNAMIS

I.L. Uchytel, V.N. Jaroshenko, B.B. Kapochkin
SEISMICITY, AS A PHENOMENON OF GLOBAL SCALE

N.V. Koronovsky, A.A. Naimark
THE FORECAST OF EARTHQUAKES TODAY: CHALLENGES AND SOLUTIONS

I.A. Garagash, A.V. Dubovskaya
MODELING OF STRESS-STRAIN STATE OF THE EARTH'S CRUST OF THE CASPIAN REGION FOR PROGNOSIS OF SEISMIC PROCESS

V. Dedenok, A. Tkachenko
MONITORING OF IONOSPHERE PERTURBATIONS PRECEDING HIGH INTENSIVE EARTHQUAKES ON DATA FROM SATELLITE RADIO NAVIGATION SIGNAL RECEIVER NETWORK

SECTION 1. EARTH SCIENCES

Subsection: Geology and Geophysics

CHAIRPERSONS: Acad. Vitaly Starostenko, Dr. Rumiana Glavcheva, Prof. Dr. Nikolay Laverov, Ph.D. Alper Sengul, Dr. Tamara Tsutsunava, Prof. Victor Osipov, Dr. Margarita Matova.

A.G. Rodnikov

ELABORATION OF THE INTERDISCIPLINARY DATABASE FOR THE CONSTRUCTION OF THE GEODYNAMIC MODELS OF DEEP STRUCTURE OF THE NATURE DISASTER REGIONS (NEFTEGORSK EARTHQUAKE, SAKHALIN ISLAND)

T. Sh. Khalilova, E.N. Khalilov

TRACES OF THE ANCIENT CIVILIZATION AT THE BOTTOM OF CASPIAN SEA

T. Tsutsunava, I. Gamkrelidze, D. Shengelia

PRE-ALPINE GEODYNAMICS, MULTI-STAGE REGIONAL METAMORPHISM AND GRANITOID MAGMATISM OF THE CAUCASUS

T. Tsutsunava, F. Maisadze

GEOLOGICAL CATASTROPHICS AND EVENT DEPOSITS

R. Glavcheva, M. Matova

INCREASED SEISMIC RISK: DUE TO EARTHQUAKES OR THE HUMAN ACTIVITIES?

V.S. Seleznev, A.V. Liseikin, A.A. Bryksin

SEISMOLOGICAL MONITORING OF SAYANO-SHUSHENSKAYA HYDROELECTRIC POWER STATION

V.S. Seleznev, V.M. Soloviev, A.F. Emanov, A.S. Salnikov, V.N. Kashun, A.V. Liseikin, S.A. Elagin,

I.E. Romanenko, A.E. Shenmayer

DEEP SEISMIC RESEARCHES WITH USING OF HIGH-POWER VIBRATION SOURCES AT THE PROFILES IN THE EAST OF RUSSIA

V.M. Soloviev, V.S. Seleznev, A.F. Emanov, V.N. Kashun, S.A. Elagin, I.E. Romanenko,

A.E. Shenmayer, N.A. Serezhnikov

ACTIVE SEISMIC MONITORING USING HIGH-POWER MOVEABLE 40-TONS VIBRATION SOURCES – RESULTS, OUTLOOKS

V.M. Soloviev, A.S. Salnikov, V.Y. Timofeev, S.V. Shibaev, A.F. Petrov, A.V. Liseikin,

A.E. Shenmayer, V.V. Chechelnickey

MODERN DATA ON DEEP STRUCTURE AND SEISMICITY OF JOINT AREA OF EURASIAN, NORTH AMERICAN AND OKHOTOMORSK PLATES

A.S. Salnikov, A.S. Efimov, V.L. Kuznetsov

SEISMIC INVESTIGATION OF THE EARTH'S CRUST OF A UNIQUE PROVINCE OF CENTRAL ASIA (ALTAI) WITH DEEP SEISMIC SOUNDING

H.T. Hagverdiyev, R.A. Akhundov

CATACLYSMS: REASONS OF THE ORIGIN AND THE WAYS OF PROTECTION FROM THEM

H.T. Hagverdiyev

A NEW GEODYNAMIC MODEL FOR FORMATION AND EVOLUTION OF THE EARTH CRUST DEEP FAULTS

O.K. Mironov

PARETO OPTIMUM FOR COMPILING INTEGRAL HAZARD MAPS

V.I. Popkov

COLLISION TECTONICS OF THE NORTH-WESTERN CAUCASUS

Subsection: Atmosphere and Climate Change

CHAIRPERSONS: Prof. Dr. Rza Mahmudov, Prof. Tsisana Basilashvili

A.N. Gruzdev

WEEKLY CYCLE IN THE ATMOSPHERE: NATURAL VERSUS ANTHROPOGENIC ORIGIN

A.N. Gruzdev

QUASI-DECADAL OZONE AND NITROGEN DIOXIDE VARIATIONS AND SOLAR ACTIVITY

A.L. Vetrov

A NUMERICAL STUDY OF THE EXPLOSIVE CYCLONES: ROLE OF THE AVAILABLE POTENTIAL ENERGY

I.V. Kozlyakova, I.A. Kozhevnikova, O.N. Eremina, Yu.A. Azyukina

THE STUDY OF SINKHOLES IN THE MOSCOW TERRITORY

T. Kuderina, A. Voropaev

TIME AND SPATIAL ASPECTS OF NATURAL CATASTROPHES IN RUSSIAN LANDSCAPES AIR AEROSOL AS AN INDICATOR OF CATASTROPHIC PROCESSES IN RUSSIAN LANDSCAPES

R.N. Mahmudov

THE IMPACTS OF GLOBAL CLIMATE CHANGES ON THE HYDRO METEOROLOGICAL CONDITIONS OF AZERBAIJAN REPUBLIC

SECTION 2. ECONOMY, FINANCES, INTERNATIONAL LAW

CHAIRPERSONS: Mr. Fuad Damirov, Ms. Tatiana Maslova

L.Yu. Novikova, V.N. Djubin, I.G. Loskutov, E.V. Zuev, I.V. Seferova

THE FORECAST OF DYNAMICS OF ECONOMIC VALUABLE CHARACTERS OF VARIETIES OF GRAIN CROPS IN THE CONDITIONS OF CLIMATE CHANGE

L. Petrashko

BUSINESS SCHOOLS' GLOBAL RESPONSIBLE LEADERSHIP

S.I. Adinyaev, E.A. Karslyanc

INTERNATIONAL HUMANITARIAN DISASTER AND THE INTERNATIONAL HUMANITARIAN AID

T.V. Maslova, V.P. Maslov, A.B. Maslov

BOSE CONDENSATE AS A CATASTROPHE OF THE MEASURE OF KULLBACK-LEIBLER INFORMATION AND DEBT CRISIS

F.G. Damirov

NEW CHALLENGES IN NATURAL HAZARD INSURANCE.

SOME THOUGHTS IN THE AFTERMATH OF THE 2010 ICELANDIC VOLCANO CRISIS

SECTION 3. COSMIC-TERRESTRIAL RELATIONS, CHRONOBIOLOGY, BIOCOS PROGRAM

CHAIRPERSONS: Prof. Dr. Franz Halberg, Prof. Dr. Abdullah Alabdulgader, Dr. Yoshihiko Watanabe, Dr. Germaine Cornelissen, Ms. Vera Brandes

E.V. Syutkina, G. Cornelissen, M. Mitish, M.V. Narogan, A.V. Surgyk, O.S. Krylova, A. Masalov,

O. Schwartzkopff, F. Halberg

NEONATES AS PARTICULARLY SENSITIVE MAGNETORECEPTORS?

F. Halberg, D. Hillman, O. Schwartzkopff, T. Breus, E.V. Syutkina, A. Masalov, G. Cornelissen

PUTATIVE SOLAR SIGNATURES CAN DIFFER AMONG VARIABLES AND CIRCADIAN ENDPOINTS AND IN INDIVIDUALS VS. POPULATIONS

F. Halberg, S. Sello, G. Cornelissen

PARA-TRIDECADAL COMPONENT IN NEONATAL ANTHROPOMETRY IN MOSCOW BY THE LATE BORIS NIKITYUK

F. Halberg, R.B. Sothern, D. Hillman, G. Cornelissen

PARA-TRIDECADAL COMPONENTS CHARACTERIZE PSYCHOPHYSIOLOGICAL VARIABLES OF A CLINICALLY HEALTHY MAN

R.B. Sothern, F. Halberg, D. Hillman, G. Cornelissen

INFRADIAN COMPONENTS GAUGE AGING OF THE CIRCULATION AND RESPIRATION IN SELF-MEASUREMENTS BY A HEALTHY MAN FOR OVER FOUR DECADES

G. Cornelissen, F. DeMeester, A. Wilczynska-Kwiatek, F. Halberg

CHANGES WITH AGE IN THE RELATIVE PROMINENCE OF WEEKLY-TO-DAILY AMPLITUDE RATIO OF BLOOD PRESSURE

S. Chavan, G. Cornelissen, D. Hillman, F. Halberg

CROSS-SPECTRAL COHERENCES OF TERRORISM AND SUNSPOTS

Y. Watanabe, G. Cornelissen, D. Hillman, K. Otsuka, F. Halberg

LONG PERIODS IN 23 YEARS OF AROUND-THE-CLOCK AUTOMATIC MEASUREMENTS OF HUMAN BLOOD PRESSURE AND PULSE

SECTION 4. HEALTH CARE

CHAIRPERSONS: Dr. Yoshihiko Watanabe, Prof. Dr. Farkhanda Sadikhova, Dr. Yusuf Sait Türkan, Prof. Alexander Panichev, Mrs. Sevilya Muradkhanova

N.K. Belisheva, R.G. Novoseltsev, L.V. Talykova, D.A. Petrashova, S.D. Cherney, R.E. Michaylov,

A.N. Vinogradov, A.A. Martynova, T.S. Pecar

DETERMINATION OF THE INCIDENCE OF DEATH AND CONGENITAL MALFORMATIONS BY VARIATIONS OF GEOCOSMICAL AGENTS

N.T. Dzhaynakbaev, A.R. Ryskulova

MOBILE CELL MEDICAL COMPLEX, A NEW FORM OF IMPROVING PRIMARY HEALTH CARE TO PREVENT AND REDUCE THE RISK OF THE CONSEQUENCES OF EMERGENCIES AND NATURAL DISASTERS

E.G. Novoselova

ZEOLITE-CONTAINING PRODUCTS "LITOVIT" SERIES. SORPTION ACTIVITY STUDIES

T.I. Novoselova

USAGE OF THE PRODUCTS "LITOVIT" SERIES IN MULTIMODALUTY TREATMENT OF PATIENTS WITH BURNS

T.I. Novoselova

ZEOLITE-CONTAINING PRODUCTS "LITOVIT" SERIES ADAPTATION OF ORGANISMS IN HIGH LOAD CONDITIONS

E.G. Novoselova

ASSESSING MEDICAL AND BIOLOGICAL VALUE OF 'LITOVIT' SERIES PRODUCTS

N.V. Abdullayeva, M.S. Kasimov, F.E. Sadikhova, A.K. Agadzhanova

«VIRAL-BACTERIAL MIXED INFECTIONS AND THEIRS CLINICAL AND CYTOMORPHOLOGICAL APPEARANCE»

F.E. Sadikhova, G.A. Guliyeva

CONCERNING ISSUES, ASSOCIATED WITH SPREAD AND INDICATION OF VIRUS FLORA IN AQUEOUS MEDIUMS

S.A. Muradhanova, T.Sh. Khalilova
THE RELEVANCE OF AZEOMED IN MEDICINE

S.M. Ibragimova, T.Sh. Khalilova
ANTHRAX AND THE POSSIBILITY OF ADSORPTION OF NATURAL ZEOLITE

Sh.T. Shikhaliyeva, T.Sh. Khalilova
APPLICATION OF NATURAL ZEOLITE "AZEOMED" AS AN ADSORBENT OF CYTOMEGALOVIRUSES

M.A. Rajabov, F.E. Sadykhova, T.Sh. Khalilova
ABOUT THE PROBLEM Y. ENTEROCOLITICA

SECTION 5. EMERGENCY MANAGEMENT AND COMMUNICATION SYSTEMS

CHAIRPERSONS: Prof. Habib Odjagov, Ph.D., MPH. Linda Whiteford, Prof. Robert Ilyazov, Mr. Elmar Ahmadov

J.N. Imamaliyeva, T.J. Hasanova
NATURAL DISASTERS AND ACTS OF THE POPULATION TO ELIMINATE THE CONSEQUENCES

N.A. Babakhanov, M. Musayeva
FLOOD FIGHTING METHODS IN THE KURA AND ARAZ RIVERS

N.A. Babakhanov, I.G. Gasimov
EFFECTS OF NATURAL CALAMITIES ON THE AZERBAIJAN TRANSPORT SYSTEM

V.I. Osipov, N.A. Rummyantseva
NATURAL RISKS MANAGEMENT

V. Burova, V. Pyrchenko
THE MAP OF SOCIAL RISK OF RUSSIA FROM THE HAZARDOUS NATURAL PROCESSES AS THE TOOL OF CONSEQUENCES' REDUCTION FROM EMERGENCY SITUATIONS

G. Batrak, S. Semenov, S. Seleznev, I. Galitskaya
CONSIDERATION OF EXTREME HYDRO-GEOLOGICAL EVENTS IN NUMERICAL FORECASTS OF HYDRO-GEOLOGICAL CONDITIONS CHANGE IN THE TERRITORY OF IMPORTANT INFRASTRUCTURE OBJECTS

SECTION 6. CONSTRUCTION

CHAIRPERSONS: Prof. Dr. Cengiz Toklu, Prof. Dr. Azer A. Kasimzade, Dr. Shakir Mamedov

S. Mamedov, T. Hasanova, J. Imamaliyeva
EXPERIMENTAL RESEARCH OF THE DYNAMIC PARAMETERS OF HIGH-RISE SKELETON-TYPE BUILDINGS AT VIBRATING SEISMIC LOADINGS

O.M. Salamov, A.M. Hashimov
UNDERGROUND METALLIC EQUIPMENT'S CATHODIC PROTECTION FROM ELECTROCHEMICAL CORROSION USING SOLAR ENERGY

I.V. Kozlyakova, I.P. Balobanov, N.G. Anisimova
ASSESSMENT OF RISK CAUSED BY THE NATURAL HAZARDS AT THE SANATORIUM CONSTRUCTION SITE IN THE COASTAL ZONE OF THE BLACK SEA, THE PITSUNDA PENINSULA

F. Aptikaev, O. Erteleva, Baruah Saurabh, Joshi Anand
ESTIMATION OF SEISMIC TREATMENTS IN HIMALAY REGIONS OF INDIA USING THE STATISTIC OF THE EMPIRICAL DATA

F. Aptikaev
CONSTRUCTION SAFETY AND BUILDING CODES

T. Musabayev, T. Kayupov
NONLINEAR THEORY OF THE INTERACTION BETWEEN UNDERGROUND CONSTRUCTIONS AND
GROUND MASSIVE AT VARIOUS EMERGENCY SITUATIONS

T. Musabayev, T. Kayupov
THE NONLINEAR THEORY OF INTERACTION UNDERGROUND CONSTRUCTIONS WITH A SOIL ROCK
UNDER VARIOUS EXTREME SITUATIONS

Sh.A. Mamedov, T.J. Hasanova
RESEARCH OF MOVEMENT CYLINDRICAL INCLUSIONS IN THE VISCOELASTIC MEDIUM DESCRIBED
MODEL FOIGHT

SECTION 7. ECOLOGY AND ENVIRONMENT

CHAIRPERSONS: Ph.D. Adrian Toader-Williams, Dr. Parthena Marios Paradisopoulou, Dr. Biserka Risto Dimiskovska

Sh.Yu. Goychayly, I.M. Afandieva
ADDRESSING THE ENVIRONMENTAL SAFETY IN EMERGENCY SITUATIONS

Q.Sh. Mammadov
ECO ETHIC PROBLEMS IN AZERBAIJAN AGRICULTURE

A.N. Kuznetsov, Yu.A. Fedorov
DISTRIBUTION AND NATURAL TRANSFORMATION OF FUEL OIL SPILLED IN THE STRAIT OF KERCH IN
NOVEMBER 2007 (THREE-YEAR OBSERVATIONAL RESULTS)

E.D. Vyazilov
CLASSIFICATION OF ENVIRONMENTAL IMPACTS ON VITAL ACTIVITY OBJECTS AND OF
RECOMMENDATIONS FOR DECISION MAKING

Y.M. Eyvazova
THE INFLUENCE OF ANTHROPOGENIC FACTORS TO THE HYDROLOGICAL REGIME OF RIVERS AND THE
ESTIMATION OF ECOLOGICAL FLOW

M.F. Mir-Babayev, A.A. Khalilova, H.G. Mamedova
OIL PRODUCTION AND ECOLOGY OF THE CASPIAN BASIN

G.G. Matishov, E.N. Ponomareva
BIOTECHNOLOGY OF AQUACULTURE FOR REHABILITATION OF STURGEON SPECIES' GENE POOL

V.B. Boltyrov
THE ANTHROPOGENIC AND COSMOGENIC FACTORS OF NATURAL DISASTERS

N.V. Baranovskiy
NEW CONCEPT OF FOREST FIRE DANGER FORECAST IN RUSSIAN FEDERATION

N.V. Baranovskiy, G.V. Kuznetsov
MATHEMATICAL MODELING AS A TOOL TO PREDICTION OF FOREST FIRE DANGER

E.Q. Ismibeyli, S.R. Kasimova
ENVIRONMENTAL PROTECTION FROM EXPOSURE ELECTROMAGNETIC RADIATION

Q.Sh. Mammadov
USE OF NEW TECHNOLOGIES IN SOLLUTION OF ENVIRONMENTAL PROBLEMS IN AZERBAIJAN

13:00 – 14:30 – Lunch

14:30 – 16:00 – CONGRESS SESSIONS (continue)

SPECIAL SECTION "EARTHQUAKE FORECASTING -2011(EFC-2011)"

CHAIRPERSONS: Prof. Dr. Elchin Khalilov, Dr. Alexander V. Kendzera, Prof. Dr. Wahyudi, Prof. Dr. Victor Dedenok, Dr. Pavel Kalenda, Prof. Paraskevas D. Savvaidis

L.G. Moskovchenko

MONOFRACTAL ANALYSIS OF THE EARTH CRUST MICROSTRAIN DATA

V. Seleznev, A. Bryksin

THE INFLUENCE OF TECHNOGENIC FACTORS ON SEISMICITY IN THE ALLOCATED AREAS OF ALTAY-SAYAN REGION AND NEAR LAKE BAIKA

A.S. Alekseev, G.M. Tsibulchik, B.M. Glinsky, V.V. Kovalevsky, M.S. Khairtdinov

VIBROSEISMIC TECHNOLOGY OF DETECTION AND MONITORING OF SEISMIC-VOLCANO-PRONE ZONES

M.S. Khairtdinov, G.M. Voskoboinikova, G.F. Sedukhina

INFORMATIVE PARAMETERS OF VIBROSEISMIC WAVE FIELDS IN FRACTURED AND FLUID-SATURATED MEDIA

N.S. Buktukov, G.P. Metaksa

HYPOTHESIS OF ORIGIN OF EARTHQUAKES AS A RESULT OF ANTHROPOGENIC MASS TRANSFER

SECTION 1. EARTH SCIENCES

Subsection: Geology and Geophysics

CHAIRPERSONS: Acad. Vitaly Starostenko, Dr. Rumiana Glavcheva, Prof. Dr. Nikolay Laverov, Ph.D. Alper Sengul, Dr. Tamara Tsutsunava, Prof. Victor Osipov, Dr. Margarita Matova.

Y.F. Kopnichev, I.N. Sokolova

RING-SHAPED SEISMICITY WITHIN VARIOUS DEPTH RANGES IN THE REGION OF KURIL AND KAMCHATKA

Y.F. Kopnichev, I.N. Sokolova

RING-SHAPED SEISMICITY STRUCTURES AND EARTHQUAKE OF 11/03/2011 (MW= 9.0) IN THE REGION OF THE NORTH-EASTERN JAPAN

O. Nikonorova

SEISMIC ACTIVITY IN THE SOUTHERN PREURALS

V.B. Svalova

MECHANICAL-MATHEMATICAL MODELING AND MONITORING FOR LANDSLIDES

R.I. Krivososov

RUSSIAN NATIONAL SYSTEM OF MONITORING GEOPHYSICAL PROCESSES AND REAL TIME VARIATIONS THEREOF

E. Archipova, O. Anisimova

OUTER INFLUENCES AFFECT TO ANATOLY SEISMICITY

SECTION 3. COSMIC-TERRESTRIAL RELATIONS, CHRONOBIOLOGY, BIOCOS PROGRAM

CHAIRPERSONS: Prof. Dr. Franz Halberg, Prof. Dr. Abdullah Alabdulgader, Dr. Yoshihiko Watanabe, Dr. Germaine Cornelissen, Ms. Vera Brandes

Y. Watanabe, G. Cornelissen, D. Hillman, K. Otsuka, F. Halberg

TRANSITION FROM SUNDAY-ONLY-MESOR-NORMOTENSION TO SUNDAY-INCLUSIVE-MESOR-HYPERTENSION

G.S. Katinas, G. Cornelissen, S. Sanchez de la Peña, Y. Watanabe, J. Halberg, F. Halberg

CEREBRO-CARDIOVASCULAR RISK ASSESSMENT NEEDS CHRONOBIOLOGICAL ANALYSES

J. Costella, F. Halberg, D. Hillman, M. Mikulecky, G. Cornelissen

MULTIPLE CIRCADIAN PERIODS CHARACTERIZES SLEEP-WAKEFULNESS OF A CLINICALLY HEALTHY MAN ON A SELF-SELECTED LIVING ROUTINE

J. Czaplicki, G. Cornelissen, F. Halberg, D. Hillman, J. Finley, F. Thomas, T. Kino, G. Chrousos

DIFFERENT RESPONSES OF BLOOD PRESSURE AND HEART RATE TO LUNAR AND SOLAR DAYS DURING ADYNAMIC DEPRESSION

G. Cornelissen, F. Halberg, O. Schwartzkopff

COMPETING TIDAL CIRCADIAN LUNISOLAR RESONANCE IN AN ARCHAEON

K. Hecht, K. Otsuka, F. Halberg, G. Cornelissen

ASSESSMENT OF ANY EFFECT OF DEPRESSION ON BLOOD PRESSURE

SECTION 4. HEALTH CARE

CHAIRPERSONS: Dr. Yoshihiko Watanabe, Prof. Dr. Farkhanda Sadikhova, Dr. Yusuf Sait Türkan, Prof. Alexander Panichev, Mrs. Sevilya Muradkhanova

N.T. Dzhaynakbaev, A.R. Ryskulova

MOBILE CELL MEDICAL COMPLEX, A NEW FORM OF IMPROVING PRIMARY HEALTH CARE TO PREVENT AND REDUCE THE RISK OF THE CONSEQUENCES OF EMERGENCIES AND NATURAL DISASTERS

Kh.I. Ibadova, T.Sh. Khalilova

TRACE ELEMENTS IN MEDICINE

A. Panichev, K. Golokhvast

LITHOPHAGIAL METHODS ADAPTATION TO ADVERS ENVIRONMENTAL FACTORS

L.F. Rzayeva, T.Sh. Khalilova, F.E. Sadikhova

CORRECTION OF DYSBACTERIOSIS IN APPLICATION OF AZEOMED NATURAL ZEOLITE

T.S. Bahareva

PROJECT "GLOBAL SAFETY SYSTEMS". LONG-TERM SURVIVAL DURING NATURAL CALAMITY AND ANTHROPOGENIC DISASTER

SECTION 5. EMERGENCY MANAGEMENT AND COMMUNICATION SYSTEMS

CHAIRPERSONS: Prof. Habib Odjagov, Ph.D., MPH. Linda Whiteford, Prof. Robert Ilyazov, Mr. Elmar Ahmadov

A.M. Abbasov, E.N. Khalilov

SPECIAL SYSTEM OF INFORMATION TRANSFER TO NATURAL DISASTER AREAS "SatPag"

I.V. Galitskaya, G.I. Batrak, I.A. Kostikova

ASSESSMENT OF HAZARD AND RISK, CAUSED BY GROUNDWATER CONTAMINATION IN THE URBAN TERRITORY IN THE EXTREME EMERGENCY

R.G. Ilyazov

FOOD SAFETY IN TERMS OF GLOBAL CLIMATE CHANGE AND TECHNOGENESIS: ACTUAL ISSUES AND WAYS OF THEIR SOLUTION

R.G. Ilyazov

MANMADE CATASTROPHE OF XX CENTURY (CHERNOBYL, 1986): PHILOSOPHIC MORAL AND COUNTERMEASURES

V.A. Aliyev, R.N. Mahmudov, M.Yu. Yusifov, S.G. Nabiyeva, A.A. Ahmedov, E.K. Gafarov

MINGECHEVIR EMBANKMENT DAM COLLAPSE: CATASTROPHIC RISK ANALYSIS AND MANAGEMENT

SECTION 6. CONSTRUCTION

CHAIRPERSONS: Prof. Dr. Cengiz Toklu, Prof. Dr. Azer A. Kasimzade, Dr. Shakir Mamedov

E.N. Khalilov, F.G. Damirov

NEW TECHNOLOGY OF SEISMIC STABLE CONSTRUCTION "DANCING BUILDING TECHNOLOGY"

Nadia Tahernia, Noorbakhsh Mirzaei

PROBABILISTIC SEISMIC HAZARD ASSESSMENT OF METROPOLITAN TEHRAN

Nadia Tahernia, Morteza Khodabin

STATISTICAL FEATURES OF EARTHQUAKE WAITING TIMES

Baris Sayin, Gebrail Bekdas, Baris Yildizlar

THE PARAMETERS THAT CAUSE TORSIONAL IRREGULARITY IN RC BUILDING UNDER EARTHQUAKE EFFECT

Gebrail Bekdas, Sinan Melih Nigdeli

INVESTIGATION OF SDOF IDEALISATION FOR STRUCTURES WITH OPTIMUM TUNED MASS DAMPERS

Rosa Grazia De Paoli

INTEGRATED APPROACHES FOR THE EVALUATION OF THE DAMAGES AND REPAIRING OF HISTORICAL CENTRES: THE CASE OF PAGANICA (AQUILA)

A.A. Kasimzade, Soyhan Bal, Gencay Atmaca

NATURAL STRUCTURAL PROTECTION OF STRUCTURES IN NATURAL CATASTROPHES: STRUCTURAL RESISTIVITY OF "WALLED OBELISK" MONUMENT AGAINST STRONG EARTHQUAKE ACTIONS FOR TEN CENTURIES AND ITS MATHEMATICAL MODEL FOR APPLICATION

SECTION 7. ECOLOGY AND ENVIRONMENT

CHAIRPERSONS: Ph.D. Adrian Toader-Williams, Dr. Parthena Marios Paradisopoulou, Dr. Biserka Risto Dimiskovska

Adrian Toader-Williams, Roberto F. Nespolo

THE INFLUENCE OF HORSE RADISH (*ARMORACIA RUSTICANA*) AND COMMON COMFREY (*SYMPHYTUM OFFICINALE*) UPON THE EDIBLE TERRESTRIAL SNAILS *HELIX ASPERSA* MULLER (*CORNU ASPERSUM*) DURING HEAT WAVE AND DROUGHT AS MEANS TO IMPROVE SNAIL FARMING TECHNOLOGIES

Adrian Toader-Williams, Aurel Sara, Mihai Radu Pop, Maria Dana Bobit, Mihai Bentea, Matei Marcel Duda

THE INFLUENCE OF SOME PERENNIAL PLANTS AND SEL-SELECTED UPON THE DEVELOPMENT, RESISTANCE TO EXTREME CLIMATE CONDITIONS AND MEAT QUALITY OF THE EDIBLE TERRESTRIAL SNAILS AS ONE OF THE MOST EFFICIENT AND ECOLOGICAL SOUND ANIMAL PROTEIN SOURCE FOR HUMAN CONSUMPTION

Ayeche Riad, Hamdaoui Oualid

TREATMENT OF URBAN WASTEWATER TREATMENT (CITY OF ANNABA IN ALGERIA) BY THE LIME WASTE FROM THE ENGI

P.M. Paradisopoulou, E.E. Papadimitriou, J. Mirek, V.G. Karakostas

PROBABILITY DISTRIBUTION ON FAULTS NEAR THE CITY OF THESSALONIKI (NORTHERN GREECE)

16:00 – 16:30 – Coffee break

16:30 – 18:30 – CONGRESS SESSIONS (continue)

SPECIAL SECTION "EARTHQUAKE FORECASTING -2011(EFC-2011)"

CHAIRPERSONS: Prof. Dr. Elchin Khalilov, Dr. Alexander V. Kendzera, Prof. Dr. Wahyudi, Prof. Dr. Victor Dedenok, Dr. Pavel Kalenda, Prof. Paraskevas D. Savvaidis

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I.V. Marinin

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SECTION 1. EARTH SCIENCES

Subsection: Geology and Geophysics

CHAIRPERSONS: Acad. Vitaly Starostenko, Dr. Rumiana Glavcheva, Prof. Dr. Nikolay Laverov, Ph.D. Alper Sengul, Dr. Tamara Tsutsunava, Prof. Victor Osipov, Dr. Margarita Matova.

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CHAIRPERSONS: Prof. Dr. Franz Halberg, Prof. Dr. Abdullah Alabdulgader, Dr. Yoshihiko Watanabe, Dr. Germaine Cornelissen, Ms. Vera Brandes

F. Halberg, G. Cornelissen, V. Brandes, O. Schwartzkopff

INDISPENSABLE 24/7 CHRONOMICALLY-ASSESSED ABPM REPLACES CASUAL OFFICE BLOOD PRESSURE SNAPSHOTS

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G. Chrousos, R. McCraty, E. Ilyia, F. Halberg

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G. Cornelissen, V.Brandes, F. Halberg

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G. Cornelissen, K. Otsuka, F. Halberg

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CHAIRPERSONS: Prof. Habib Odjagov, Ph.D., MPH. Linda Whiteford, Prof. Robert Ilyazov, Mr. Elmar Ahmadov

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IGMASS AS A TOOL FOR EVOLVING GLOBAL AND REGIONAL DISASTER SECURITY INFORMATION AREAS

V.A. Menshikov, S.V. Cherkas

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21 SEPTEMBER 2011

9:30-13:00 – CONGRESS SESSIONS

SPECIAL SECTION "EARTHQUAKE FORECASTING -2011(EFC-2011)"

CHAIRPERSONS: Prof. Dr. Elchin Khalilov, Dr. Alexander V. Kendzera, Prof. Dr. Wahyudi,
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CHAIRPERSONS: Prof. Dr. Franz Halberg, Prof. Dr. Abdullah Alabdulgader, Dr. Yoshihiko Watanabe, Dr. Germaine Cornelissen, Ms. Vera Brandes

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SECTION 5. EMERGENCY MANAGEMENT AND COMMUNICATION SYSTEMS

CHAIRPERSONS: Prof. Habib Odjagov, Ph.D., MPH. Linda Whiteford, Prof. Robert Ilyazov, Mr. Elmar Ahmadov

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14:30 – 17:00 – Plenary session and closing of the Congress

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International Committee on Global Geological and Environmental Change “GEOCHANGE” ©

International Publishing House “SWB”

Secretariat:

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Phone: + 44 207 760 633; Fax: + 44 207 691 9560;
www.wosco.org; e-mail: publishing_house@wosco.org*

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Date of order: 02.06.2011

Order: 103/011

Size: 60 x 90/16

Offset printing

ISBN 978-9952-451-16-0

