



University of Minho
Earth Sciences Centre



The European Association for the
Conservation of the
Geological Heritage

IV International Symposium ProGEO on the Conservation of the Geological Heritage

3rd Circular and Programme

13 - 16 September 2005

University of Minho
Braga — Portugal

GUIDELINES FOR PARTICIPANTS

The Symposium activities will take place at Complexo Pedagógico II - Campus de Gualtar, University of Minho (some signs will be displayed in the campus).

A Welcome Party (free) will be held in the University Restaurant at the Campus de Gualtar on September 12th (20:00h-22:00h).

The registration desk will be open on September 12th from 16:00-19:30h (and during the symposium). If you arrive later please follow the signs towards the University Restaurant. All participants with the accommodation arranged by the Organising Committee should contact the Organisation at their arrival to Braga. Just in case of late arrivals (after 23:00h) these participants are requested to go directly to Residência Universitária Lloyd Braga (near Bracalândia). Security staff will welcome you.

Telephone of the Organising Committee: 938 460 883.

Oral presentations

Both rooms (B1 and B2) will be equipped with one computer for Apple Keynote or Microsoft PowerPoint presentations and one multimedia projector. Slide and overhead projectors will also be available. Given the short time allocated for talks the use of personal laptops during presentations must be avoided. Presenters who intend to use Apple Keynote or Microsoft PowerPoint should bring their CDs (or computers or pendrives) to the respective room one day before their scheduled time to have their presentations copied. Presenters whose talks are scheduled on the afternoon of Tuesday 13 should deliver their presentations on the morning of the same day. To allow the organisers to verify that the session program is complete, all presenters must inform the Chair of each session about their mode of presentation, even if they are planning an overhead presentation. A projectionist will be assigned to each conference room.

Presentations are scheduled for 15 minutes plus 5 minutes dedicated to questions. All sessions will be on the same time frame. It is essential that all speakers keep on schedule.

Poster presentations

Posters must be on display for the whole day during which the session is scheduled. Posters should be set up between 8.30 and 9.00 and removed by 19.00. All posters must be removed at the end of the first day, even in cases where the session lasts more than one day. Display panels, one for each poster presentation, are 100 cm wide and 120 cm high. Sticking paste is available; velcro, thumbtacks are not needed. Authors must be present at the poster booth from 17.30 to 18.30 (except for Tuesday 13th, 17:45-18:45).

If you plan to make a computer presentation:

The size of Apple Keynote or Microsoft PowerPoint presentations should not exceed 20 MB (videos excluded), preferably. Slides without much animation should be used. Before importing pictures that will be used in the presentations, you should reduce and optimise them by means of graphic programs such as "Imaging", "Photoshop", "Photopaint", "Paintshop-pro", etc. It is absolutely necessary that the files of videos and pictures are in the same folder of the presentation; moreover, they need to be copied in the folder before they are inserted in the presentation. If non-standard sources are used (i.e. not included in MacOSX, Windows XP and Office), please bring these sources with you and inform the technical staff in due time about this at least one day before their scheduled time. The videos included in the presentation shall have the following extensions: .mpeg, .mov, .avi (.mov is preferable). Please do not use the following codecs: DivX, Xvid and others that are proprietary of professional cameras. Just one video for each slide is advisable. The videos to be used in the presentation should not be more than 50 MB each. To get a light presentation, please use .gif and .jpg pictures (different types of extensions will be accepted as well, provided that they are recognised by Microsoft PowerPoint).

Arriving to Braga

Arrivals to Oporto airport:

You can use taxi or Aerobus to go to city centre. If you use Aerobus shuttle, stop at Avenida dos Aliados and ask the direction to São Bento Railway Station (not far). Click for timetables of all trains to Braga (http://www.cp.pt/linhas/Braga/horarios/e_horario1.html).

Arrivals to Lisbon airport:

You can use taxi or bus number 5 to Estação Oriente (last stop). Click for timetables of the three daily trains to Braga (http://www.cp.pt/horarios/alfa_ic/e_401_2_66_84.html).

Arrivals to Braga railway station or bus station:

Use a taxi and ask for Universidade do Minho - Gualtar.

Arrivals to Braga by car:

From North: Use A3 motorway and leave at Braga Oeste way out. Follow the directions towards Braga and Chaves. Approaching the university there are some road signs.

From South: Use A3 motorway and leave at Braga Sul way out. Follow the directions towards Braga Sul and Chaves. Approaching the university there are some road signs.

Programme provisional (5th August version)
(the final programme will be distributed at Braga
and will be available at the web site)

General planning

	Sep 12	Sep 13	Sep 14	Sep 15	Sep 16
Morning Sessions	—	Opening Ceremony Plenary Lecture - B1	Theme 1 - B1 Theme 3 - B2 Plenary Lecture - B1	Theme 2 - B1 Theme 3 - B2 Plenary Lecture - B1	Theme 5 - B1 Theme 2 - B2 Closing Ceremony
Afternoon Sessions	Welcome party	Theme 1 - B1 Theme 3 - B2 Posters Visit to Braga old-town	Theme 1 - B1 Theme 4 - B1 Theme 2 - B2 Posters Symposium Dinner	Theme 2 - B1 Theme 4 - B2 Debate - B1 Posters	—

B1 - Room B1
B2 - Room B2

Themes

- 1 – Methodologies to characterise geological heritage
- 2 – Management of geological heritage
- 3 – Integrating geoconservation in nature conservation policies
- 4 – Geoconservation and education for sustainable development
- 5 – Portuguese frameworks of international relevance

September 13 – Tuesday (10:30 - 12:20)

Room B1

10:30	OPENING CEREMONY
11:30	PLENARY LECTURE THE COMMON APPROACHES TO GEOCONSERVATION IN EUROPE, AND THE CONSIDERABLE DIFFERENCES W.A.P. WIMBLEDON & F. ZARLENGA

September 13 – Tuesday (oral sessions 14:20 - 17:20)**Room B1*****Theme 1 – Methodologies to characterise geological heritage***

HOUR	TITLE	AUTHORS
14:20	APPROACHING AN INTEGRATED QUALIFICATION AND EVALUATION OF THE GEOLOGICAL HERITAGE	R. PENA DOS REIS, M.H. HENRIQUES
14:40	ASSESSING, MAPPING AND PROTECTING GEOMORPHOSITES. A WORKING GROUP OF THE INTERNATIONAL ASSOCIATION OF GEOMORPHOLOGISTS (IAG)	P. CORATZA, E. REYNARD
15:00	GEOLOGY, LANDSCAPE AND GEOMORPHOLOGY: FINDING THE PLACE OF GEOMORPHOLOGICAL HERITAGE	P. PEREIRA, D.I. PEREIRA, M.I.C. ALVES, J. BRILHA
15:20	THE GEOLOGICAL CONSERVATION REVIEW IN THE 21ST CENTURY	N. ELLIS
15:40	INTERNATIONAL SCIENCE VERSUS NATIONAL HERITAGE? GUIDELINES FOR THE ENLIGHTENED MANAGEMENT OF PALAEOANTHROPOLOGICAL HERITAGE AND STRATOTYPE LOCALITIES	K.N. PAGE, G. MELÉNDEZ
16:00	COFFEE BREAK	
16:20	THE WORLD HERITAGE CONVENTION: RECOGNISING GLOBAL GEOLOGICAL HERITAGE IN THE 21ST CENTURY	T. BADMAN, T. WEIGHELL
16:40	DINOSAUR FOOTPRINTS TO WORLD HERITAGE. THE "IDPI" CANDIDACY	F. PÉREZ-LORENTE
17:00	GEOLOGICAL VALUES OF SELECTED POLISH SITES OF THE UNESCO WORLD HERITAGE LIST	Z. ALEXANDROWICZ, J. URBAN, K. MISKIEWICZ
17:20	THE GEOVALUE PROJECT: DEVELOPMENT OF THE GEODIVERSITY PROFILE	P. SCOTT, D. ROCHE, C. NICHOLAS, R. SHAIL

Room B2***Theme 3 – Integrating geoconservation in nature conservation policies***

HOUR	TITLE	AUTHORS
14:40	GEODIVERSITY OF PROTECTED AREAS OF THE AZORES ARCHIPELAGO	J.C. NUNES, M.P. COSTA
15:00	URBAN GEOLOGY OF FUNCHAL CITY, MADEIRA ARCHIPELAGO, PORTUGAL	J. SILVA, I. MONTEIRO, E. FERREIRA DA SILVA, F. ROCHA
15:20	PROTECTION OF OLD QUARRY SITES ESSENTIAL FOR THE RESTORATION OF CLASSIFIED CULTURAL HERITAGE	C. GOMES, J. SILVA
15:40	CONTRIBUTION OF THE INSTITUTO DA CONSERVAÇÃO DA NATUREZA FOR THE PRESERVATION OF THE GEOLOGICAL HERITAGE IN PROTECTED AREAS	H. FONSECA
16:00	COFFEE BREAK	
16:20	THE GEOHERITAGE OF THE MEDVES AREA (NORTH HUNGARY) AND ITS CONNECTION WITH THE ECOTOURISM	Z. KARANCSI, G. HORVÁTH
16:40	THE CONSERVATION OF ACTIVE INLAND DUNES AS PART OF NATURE DEVELOPMENT IN THE NETHERLANDS	J.A.M. VAN DEN ANCKER, P.D. JUNGERIUS
17:00	ACTIVE POLICIES FOR THE CONSERVATION AND USE OF GEOLOGICAL HERITAGE IN ANDALUCÍA, SPAIN	M. VILLALOBOS MEGÍA, J.C. BRAGA ALARCÓN, J. GUIRADO ROMERO, A.B. PÉREZ MUÑOZ

September 13 – Tuesday

Poster Session (17:45 - 18:45)

Theme 1 – Methodologies to characterise geological heritage

TITLE	AUTHORS
GEOROTEIROS, A SCIENTIFIC WEB RESOURCE FOR GEOLOGY AND PORTUGUESE GEOLOGICAL HERITAGE SPREAD	J.A. ALMEIDA, J.C. KULLBERG, P.S. CAETANO, H.S. VARGAS, C. VAZ
MARÃO MOUNTAIN: A TESTIMONY OF AN ANCIENT VARISCAN OCEAN	C. COKE, M.R. PEREIRA, A. SÁ
GEOBIODIVERSITY AND GEOLOGICAL HERITAGE CHARACTERISATION IN PROTECTED AREAS FROM NE PORTUGAL: METHODOLOGY AND RESULTS	G. DIAS, M.I.C. ALVES, J. BRILHA, P. CASTRO, N. FERREIRA, C. MEIRELES, D.I. PEREIRA, E. PEREIRA, P. PEREIRA, Z. PEREIRA
THE LOWER JURASSIC CLIFFS OF S. PEDRO DE MOEL (PORTUGAL): A CASE STUDY OF THE APPLICATION OF A GEOLOGICAL HERITAGE INVENTORY TO LAND-USE PLANNING	C.B. DUARTE, L.V. DUARTE, A.O. TAVARES
ESTABLISHING CRITERIA FOR EVALUATING THE PORTUGUESE GEOLOGICAL HERITAGE	H. FONSECA, M. CACHÃO, J. BRILHA
GEOBIODIVERSITY OF THE DOURO'S LANDSCAPE, NE PORTUGAL - OVER 500 MILLION YEARS OF GEOHISTORY	M.E.P. GOMES, C. COKE, J. BAPTISTA, A. SÁ, A. ALENCOÃO, A. REIS, L. SOUSA, M. ABREU
THE CASTANHEIRA BIOTITE NODULAR GRANITE AND THE METASEDIMENTARY HOST ROCKS (SERRA DA FREITA, CENTRAL NORTHERN PORTUGAL): A GEOSITE TO PRESERVE	J. MEDINA, B. VALLE AGUADO, M.R. AZEVEDO
GEOSITES IN DENMARK: A SUGGESTION IN PROCESS	E. NYGAARD, M. BINDERUP
GEOBIOLOGICAL MONUMENTS OF THE TUNKA RIFT (BAIKAL RIFT ZONE)	A. SHCHETNIKOV, G. UFIMTSEV, T. SKOVITINA, I. FILINOV
AN APPROACH TO GEOHERITAGE MAPPING: CASE STUDY FOR DEVELOPING LANGKAWI GEOPARK	T. UNJAH, I. KOMOO, M.S. LEMAN

Theme 3 – Integrating geoconservation in nature conservation policies

TITLE	AUTHORS
THE GEOLOGICAL HERITAGE AS SUPPORT FOR THE IDENTIFICATION AND MANAGEMENT OF NATURAL PROTECTED AREAS. THE CASE OF CASTILLA-LA MANCHA (SPAIN)	L. CARCAVILLA, J. LÓPEZ-MARTÍNEZ, J.J. DURÁN, J. MARTÍN, R. RUIZ
GEOLOGICAL HERITAGE AND SUSTAINABLE DEVELOPMENT IN SANTIAGO ISLAND (CAPE VERDE)	J.M. PEREIRA, J. BRILHA
GEOCONSERVATION IN LAFÕES REGION (CENTER OF PORTUGAL): A CONTRIBUTION TO A NATURE CONSERVATION POLICY	J. VELHO

September 14 – Wednesday (oral sessions 09:00 - 12:20)**Room B1*****Theme 1 – Methodologies to characterise geological heritage***

HOUR	TITLE	AUTHORS
09:00	THE HISTORY OF GEOLOGY AS A VALUABLE APPROACH FOR REVEALING GEOSITES: EXAMPLES FROM THE CRETACEOUS OF PORTUGAL	P.M. CALLAPEZ
09:20	THE “GESPEA- WORKING GROUP ON VOLCANIC CAVES OF AZORES”: A TOOL FOR (GEO)CONSERVATION	M.P. COSTA, J.C. NUNES, F. PEREIRA, J.P. CONSTÂNCIA, P. BARCELOS, P.A.V. BORGES
09:40	A DATA BASE AND CLASSIFICATION SYSTEM FOR THE AZOREAN VOLCANIC CAVES	J.P. CONSTÂNCIA, P. BORGES, M.P. COSTA, J.C. NUNES, P. BARCELOS, F. PEREIRA, T. BRAGA
10.00	COFFEE BREAK	
10:20	CONSERVATION OF “FOSSIL” DOLOMITE-PRECIPITATING ENVIRONMENTS	J.A. MCKENZIE, C. VASCONCELOS
10:40	THE BETIC OPHIOLITIC ASSOCIATION: A VERY SIGNIFICANT GEOLOGICAL HERITAGE IN URGENT NEED OF PRESERVATION	E. PUGA, A. DÍAZ DE FEDERICO, J.M. NIETO, M.A. DÍAZ PUGA
11:00	THE MESO-CENOZOIC EVOLUTION OF THE WEST IBERIAN MARGIN DOCUMENTED BY GEOLOGICAL HERITAGE SITES OF THE ARRÁBIDA CHAIN	J.C. KULLBERG, P.S. CAETANO, M.C. KULLBERG
11:30	PLenary LECTURE A GENERAL OVERVIEW OF GEOCONSERVATION IN PORTUGAL J. BRILHA	

Room B2***Theme 3 – Integrating geoconservation in nature conservation policies***

HOUR	TITLE	AUTHORS
09:20	GEODIVERSITY: ACHIEVING SUSTAINABILITY FOR ALL?	J. LARWOOD, H. STACE
09:40	THE LANDMAP INFORMATION SYSTEM (SYSTEM WYBODAETH LANDMAP; WALES, UK) - A NEW MULTIDISCIPLINARY APPROACH TO EVALUATING AND MANAGING ‘GEOLOGICAL LANDSCAPES’	K.N. PAGE, W.A. WIMBLEDON, J. BULLEN
10.00	COFFEE BREAK	
10:20	GEOFOREST PARK: CONCEPTUALIZATION, ESTABLISHMENT OF HERITAGE PARAMETERS AND STRATEGY FOR IMPLEMENTATION	I. KOMOO, M.S. LEMAN
10:40	GEOCONSERVATION BY LAND-USE PLANNING: THE CASE OF THE UK	M. GRAY
11:00	IMPLEMENTATION OF THE GEOTOPE CONCEPT IN SWITZERLAND	B. STÜRM

September 14 – Wednesday (oral sessions 14:20 - 18:30)**Room B1****Theme 1 – Methodologies to characterise geological heritage (14:20-16:00)****Theme 4 – Geoconservation and education for sustainable development (16:20-17:30)**

HOUR	TITLE	AUTHORS
14:20	GEOSITES OF AUSTRALIA: PREPARING AN INVENTORY AND FRAMEWORK FOR THE GLOBAL INVENTORY OF THE IUGS	E.B. JOYCE
14:40	METHODOLOGICAL CONCERNS AND EXPERIENCES OF THE GEOCONSERVATION SURVEY OF HUNGARY	G. KISS
15:00	NEW ACTION PLANS FOR GEODIVERSITY PROMOTION AND CONSERVATION IN GREECE	I. THEODOSSIOU-DRANDAKI
15:20	PECULIARITIES OF GEOCONSERVATION IN UKRAINE	V. MANYUK
15:40	REPRESENTATIVE NATURAL SITES FOR DEVELOPMENT OF GEOTOURISM IN THE BAIKAL REGION	T. SKOVITINA, A. SHCHETNIKOV, A. SIZOV
16:00	COFFEE BREAK	
16:20	EDUCATION FOR SUSTAINABLE DEVELOPMENT AND PALEONTOLOGICAL HERITAGE	M.A. PEDROSA, M.H. HENRIQUES, R. MOLEIRO
16:40	THE PALAEOLOGICAL HERITAGE IN THE EDUCATIONAL TEXTS OF LOWER SECONDARY SCHOOL TEACHING (ESO) IN SPAIN	A. CALONGE, M.D. LÓPEZ-CARRILLO, G. MELÉNDEZ
17:00	«GEOLOGICAL AND CULTURAL HERITAGE, A DYNAMIC RELATIONSHIP». THE CASE STUDY OF THE PEDAGOGICAL GEOTOPE "ANCIENT CAVE'S QUARRY ON PENTELIKON MOUNTAIN- ATTICA, GREECE" AND ITS RELATIONSHIP WITH THE ACROPOLIS OF ATHENS	G. FERMEI, A. KOUTSOVELI

Room B2**Theme 2 – Management of geological heritage**

HOUR	TITLE	AUTHORS
14:20	SUSTAINABLE SITE-BASED MANAGEMENT OF COLLECTING PRESSURE ON PALAEOLOGICAL SITES	R. EDMONDS, J. LARWOOD, T. WEIGHELL
14:40	FINDING GEOLOGICAL HERITAGE: LEGAL ISSUES ON PRIVATE PROPERTY AND NOTIFICATION OF NEW FINDINGS. THE CASE OF OUTSTANDING EARLY ANGIOSPERMS ASSEMBLAGES (CONTINENTAL BARREMIAN TO ALBIAN, PORTUGAL)	J.L. DINIS, F.P. OLIVEIRA, J. REY, I.L. DUARTE
15:00	PROTECTING THE JURASSIC OUTCROPS AND SECTIONS IN THE NORTHEASTERN IBERIAN CORDILLERA (E SPAIN): LEGAL FRAMEWORK, MEASURES FOR GEOCONSERVATION AND SOCIAL MANAGEMENT	G. MELÉNDEZ, M. SORIA, G. DELVENE
15:20	A PALEONTOLOGICAL SITE OF INTERNATIONAL RELEVANCE IN THE ORDOVICIAN OF AROUCA (CENTRAL PORTUGAL), AND A PARADIGM FOR COOPERATION BETWEEN SCIENCE AND INDUSTRY	A.A. SÁ, M. VALÉRIO, I. RÁBANO, J.C. GUTIÉRREZ-MARCO
15:40	THE GEOLOGICAL, NATURALISTIC AND CULTURAL HERITAGE OF THE MUNICIPALITY OF CANTIANO (ITALY): A GIS ELABORATION OF TOURISTIC ITINERARIES	L. GUBELLINI, R. FRANCHI, O. MEI, E. MORETTI, O. NESCI, D. SAVELLI, C. SAVINI, F. TROIANI
16:00	COFFEE BREAK	
16:20	THE QUARTZ MUSEUM IN THE SANTA LUZIA HILL, VISEU, CENTRAL PORTUGAL – A WORK IN PROGRESS	A.M. GALOPIM DE CARVALHO
16:40	REHABILITATION AND RECONSTRUCTION OF EXCAVATED ORE-VEINS AREA	A. ITAMAR, B. DRORY, A. RAPAPORT-ROTMAN
17:00	DEVELOPING A GEOLOGICAL AND MINING THEMATIC PARK PROJECT IN THE CASTROMIL GOLD MINES (NORTH OF PORTUGAL)	A.M.C. LIMA, B.C. RODRIGUES, A.G. DIAS, C. VASCONCELOS, A. BARROS, A.B. MENDONÇA, N. FÉLIX

September 14 – Tuesday

Poster Session (17:30 - 18:30)

Theme 2 – Management of geological heritage

TITLE	AUTHORS
GEOSITES OF PRIMORSK REGION (FAR EAST OF RUSSIA) AS AN INFORMATION BASIS FOR THE DEVELOPMENT OF GEOTOURISM	A. ALENICHEVA
ARCHAEOLOGICAL SITES UNEARTHED IN FASCINATING GEOLOGIC AREAS: THE CASE STUDY OF MT. COPIOLO AND MT. BOAGGINE (PESARO-URBINO, CENTRAL ITALY). STUDIES AND PROPOSALS FOR DEVELOPING A SUSTAINABLE GEOARCHAEOLOGIC TOURISM	A. BALDANZA, G. BRUZZI, G. CALDERONI, L. CAPRARO, R. COCCIONI, S. CORSO, A.L. ERMETI, W. MONACCHI, E. MORETTI, O. NESCI, A. RENZULLI, P. SANTI, D. SAVELLI, S. TEODORI
ESTRADA REAL: THE BEGINNINGS OF GEOLOGICAL SCIENTIFIC KNOWLEDGE, REGIONAL DEVELOPMENT AND GEOLOGICAL TOURISM	G.D. CALAES, G. E. FERREIRA
INVOLVING PEOPLE IN GEODIVERSITY	E. DURHAM, J. LARWOOD
NATIONAL PARKS AND THEIR FUTURE ROLE, AS PROMOTED BY INFORMATION TECHNOLOGY IN NORWAY	B.A. FOLLESTAD
THE ANCIENT WATER SUPPLY SYSTEM OF PETRA (JORDAN): A LINK BETWEEN MONUMENTAL AND GEOMORPHOLOGIC HERITAGE	R. FRANCHI, D. SAVELLI, F. COLOSI, R. GABRIELLI, A. LAZZARI, D. PELOSO, P. DRAPP
PATRIMONIAL RESOURCE GUIDE FOR INTEGRAL TOURISM PROMOTION OF EL TRIUNFO, BAJA CALIFORNIA SUR, MEXICO	J. GAITÁN-MORÁN, H.R. SORIANO, A.A. ARELLANO, C.M. NORIEGA, P.R. GARCÍA, V.M.Z. HERNÁNDEZ
GEOLOGICAL AND CULTURAL HERITAGE OF MIDDLE DNIESTER VALLEY	V. GRYTSENKO
EVALUATING CRETACEOUS MICROFOSSIL SITES FROM THE "SERRANÍA DE CUENCA" (SW IBERIAN RANGE, SPAIN)	M.D. LÓPEZ-CARRILLO, A. CALONGE, G. MELÉNDEZ
GEOLOGICAL HERITAGE OF THE NORTHERN LAKE LADOGA REGION (NW RUSSIA)	V.V. MAKARIKHIN, P.V. MEDVEDEV, D.V. RYCHANCHIK
GEOTOURISM: AN ALTERNATIVE SOLUTION FOR THE ENVIRONMENTAL CONFLICT PERTAINING THE AGGREGATE MATERIALS MINING IN THE METROPOLITAN AREA OF RIO DE JANEIRO, BRAZIL	E.F. MELLO, G.S. NOGUEIRA
THE GEOLOGICAL PAST AND THE FUTURE OF GEOHERITAGE OF THE DUTCH COLONIAL FORTRESS NIEUW AMSTERDAM	W.P. PAUW
GEOTOURISM AND GEOLOGICAL HERITAGE IN THE QUADRILÁTERO FERRÍFERO, MINAS GERAIS STATE, BRAZIL	U. RUCHKYS, C.M. NOCE, B.P. MAGALHÃES-GOMES
GEOTOURISM INITIATIVES BY REGIONE LOMBARDIA (ITALIA) ON ITS OWN TERRITORY AND ABROAD	D. SCIUNNACH
GEOLOGICAL CONTRIBUTION TO A MUSEUM PROJECT OF AN OLD TIN MINE IN VIEIROS (AMARANTE, NORTHERN PORTUGAL)	I.M. TEIXEIRA, A.M.C. LIMA
A TRAVELLING GEO-PLAYROOM IN THE GEOMORPHIC LANDSCAPE OF THE NORTHERN MARCHEAN APENNINES (CENTRAL ITALY)	F. TROIANI, F. CIARROCCHI, A. MARSILI, O. NESCI

Theme 4 – Geoconservation and education for sustainable development

TITLE	AUTHORS
GEOCONSERVATION AND EDUCATION FOR SUSTAINABILITY: AN EXAMPLE BASED IN THREE PORTUGUESE PROTECTED AREAS	J. BRILHA, R. BALBINO, R. COELHO, P.P. CUNHA, N. PIMENTEL, R. PEREIRA, S. QUINTAS
ATTITUDES OF TEACHERS, PUPILS AND DIRECTORS OF THE NATURAL PARKS OF MONTESINHO, DOURO INTERNACIONAL AND ALVÃO TO THE GEOLOGIC HERITAGE	E. ESTEVES, C. COKE, M.E.P. GOMES
THE MUSEU DA PEDRA (CANTANHEDE, CENTRAL PORTUGAL): WHERE JURASSIC MEETS THE PUBLIC	M.H. HENRIQUES

September 15 – Thursday (oral sessions 09:00 - 12:20)**Room B1****Theme 2 – Management of geological heritage**

HOUR	TITLE	AUTHORS
09:00	READING THE ROCKS: FIELD-GUIDES AND FIELD-EXCURSIONS, GEOTOURISM AND GEOCONSERVATION: AN ANALYSIS OF CHANGE	T. HOSE
09:20	RAISING GEOLOGICAL AWARENESS, DEVELOPING GEOLOGICAL EDUCATION, PROMOTING GEOCONSERVATION AND DEVELOPING GEOTOURISM IN THE UK: THREE CASE STUDIES WITH DIFFERENT GEOLOGICAL RESOURCES, DIFFERENT PROBLEMS AND DIFFERENT SOLUTIONS	J. MACADAM
09:40	THE SYSTEM OF CONSERVATION AND POPULARIZATION OF GEOLOGICAL HERITAGE IN THE CZECH REPUBLIC	M. LORENCOVÁ, P. BUDIL, P. GÜRTLEROVÁ
10:00	COFFEE BREAK	
10:20	THE EUROPEAN GEOPARKS NETWORK	N. ZOUROS, P. MC KEEVER
10:40	A TRANSNATIONAL COOPERATION PROJECT BETWEEN FOUR EUROPEAN GEOPARKS IN NORTH-WEST EUROPE	P. MC KEEVER
11:00	GEOCONSERVATION, PROMOTION AND MANAGEMENT OF GEOSITES ON LESVOS ISLAND, GREECE: THE LESVOS PETRIFIED FOREST GEOPARK	N. ZOUROS, O. LABAKI
11:30	PLENARY LECTURE GEOLOGICAL HERITAGE IN GERMANY – GEOTOPES AND NATIONAL GEOPARKS HEINZ-GERD RÖHLING, M. SCHMIDT-THOMÉ & K. GOTH	

Room B2**Theme 3 – Integrating geoconservation in nature conservation policies**

HOUR	TITLE	AUTHORS
09:00	GEOCONSERVATION IN BULGARIA AND THE ROLE OF PROGEO – RESULTS AND TASKS IN THE FRAME OF THE NATURE PROTECTION IN THE COUNTRY	R. NAKOV, T. TODOROV, V. TODOROVA
09:20	PROTECTED AREAS AS NATURAL MONUMENTS IN ALBANIA	A. SERJANI, A. NEZIRAJ, H. HALLAÇI
09:40	THE CONSERVATION OF GEODIVERSITY IN FRANCE: A REVIEW	JACQUES AVOINE
10:00	COFFEE BREAK	
10:20	INTEGRATING GEOSITES IN THE SYSTEM OF PROTECTED AREAS OF RUSSIA	A. MOROZOV, O. PETROV, A. LAPO, S. SOKOLOV, M. VDOVETS
10:40	PROBLEMS OF GEOLOGICAL HERITAGE INTEGRATION TO THE NATURE CONSERVATION POLICY OF THE REPUBLIC OF KAZAKHSTAN	Y. KAZAKOVA
11:00	THE SITUATION OF THE GEOHERITAGE CONSERVATION IN HUNGARY	G. KISS, G. HORVÁTH

September 15 – Thursday (oral sessions 14:20 - 18:30)**Room B1****Theme 2 – Management of geological heritage**

HOUR	TITLE	AUTHORS
14:20	GEOSEE - BRINGING TOGETHER GEOSCIENCE, COMMUNICATION, EDUCATION, HERITAGE, CULTURE, AND SUSTAINABLE DEVELOPMENT. A JOINT INITIATIVE OF UNESCO – IUGS – IGU	W.R. JANOSCHEK
14:40	GEOPARK CERTIFICATION IN SWITZERLAND	E. REYNARD, J.P. BERGER, M. FELBER, P. HEITZMANN, R. HIPPEL, W. HUG, P.Y. JEANNIN, D. VAVRECKA-SIDLER, K. VON SALIS
15:00	GEOPARK BANSKÁ ŠTIAVNICA	V. KONEČNÝ, J. LEXA, P. LIŠČÁK, J. SMOLKA, M. ŠINSKÝ
15:20	FROM GEOSITE TO GEOPARK: GRAZUTE REGIONAL PARK IN NORTHEASTERN LITHUANIA	G. SKRIDLAITE, R. GUOBYTE, D. SNARSKIENE, R.A. CEPIKAS
15:40	GEODIVERSITY AND COMMUNITY – BUILDING THE ‘CORAL COAST’ GEOPARK (TORBAY, UK)	K.N. PAGE, D. ACLAND, N. POWE, J. RISDON
16:00	COFFEE BREAK	
16:20	DEBATE ABOUT GEOSEE, GEOPARKS, ...	

Room B2**Theme 4 – Geoconservation and education for sustainable development**

HOUR	TITLE	AUTHORS
14:20	GEOHERITAGE IMPLEMENTATION MODELS FOR EDUCATION IN SUSTAINABLE DEVELOPMENT IN SERBIA	D. MIJOVIC, N. PANIC
14:40	PROJECT “UNDERGROUND VISIT TO THE LOUSAL MINE”: A CONTRIBUTION TO GEOCONSERVATION AND SUSTAINABLE DEVELOPMENT	J.M.R.S. RELVAS, L. PÓVOAS, T. COSTA, J. MATOS, T. VARELA, C. LOPES, F.J.A.S. BARRIGA
15:00	AMERICAN TOURISM, GEOLOGICAL HERITAGE DEVELOPMENT AND SCIENCE OUTREACH IN BAJA CALIFORNIA SUR, MEXICO	J. GAITÁN-MORÁN, J.H. LIPPS
15:20	PRIMARY TASKS OF GEOCONSERVATION IN RUSSIA	O.A. MIRONENKO
15:40	THE USE OF MULTIMEDIA RESOURCES IN SCIENTIFIC DIVULGATION TO EXPLAIN GLACIATION AT GERÊS MOUNTAIN WITHIN THE PNPG (NORTH OF PORTUGAL)	D.M.C.H. LIMA, F. NORONHA, A.M.C. LIMA
16:00	COFFEE BREAK	

September 15 – Thursday

Poster Session (17:30 - 18:30)

Theme 2 – Management of geological heritage

TITLE	AUTHORS
GEOTOURIST GUIDE TO SUPPORT THE FLUVIAL CRUISES ON THE DOURO RIVER PORTO-PINHÃO SECTOR	E. ARAÚJO, D.I. PEREIRA
INTERPRETATIVE TRAILS ALONG THE MERULA VALLEY (LIGURIA, NW ITALY): A WAY TO FOSTER GEOTOURISM	A. BIANCOTTI, A. COSTAMAGNA
“FOZ DO DOURO” GEOLOGICAL TOUR - AN EXAMPLE OF GEOLOGICAL HERITAGE INTERPRETATION	L. BORGES, M. SOUSA, F. NORONHA
POÇO NEGRO - PROPOSAL OF A GEO-TRAIL ALONG RIVER MAU (PENAFIEL, NORTHERN PORTUGAL)	H. COUTO, A. LOURENÇO
GEOTOURISM IN WESTERN FINLAND AND A POTENTIAL GEOPARK CANDIDATE	P. EDÉN, T. KANANOJA
PROJECT “GEOPARKS OF KAZAKHSTAN”: CONTRIBUTION TO THE EUROPEAN NETWORK OF GEOPARKS AND GEOCONSERVATION DEVELOPMENT IN KAZAKHSTAN	I.L. FISHMAN
SCIENTIFIC AND NATURAL HERITAGE EVALUATION AND GEOCONSERVATION OF FOSSIL DUNES IN THE PROMENADE OF A CORUÑA (NW SPAIN)	L. GUTIERREZ-BECKER, L. LÓPEZ-CANCELO, D.F. MOSQUERA, J.R. VIDAL-ROMANÍ, M.H. GRANJA
SAUDI GEOLOGICAL HERITAGE PROJECT	M.H. IDRIS, M. R. MOUFTI, M. ARNAOOT
NATIONAL EXPERIENCES IN THE IMPLEMENTATION OF THE KULA VOLCANIC REGION (KATAKEKAUMENE - BURNED COUNTRY) FOR THE DECLARATION AS A POTENTIAL GEOPARK AREA IN WESTERN TURKEY	H. INANER, M. TOKÇAER, T. KAYA, M. SOMUNCU, F. ÇALAPKULU, M. ERGUN, E. NAKOMAN, S.N. AKKOÇ
THE GEOLOGICAL FORMATIONS AND AN OLD LIGNITE MINE CAN GENERATE TOURISM OVER THE WIDE AREA OR EVEN A GEOPARK. CASE STUDY FALANTHI REGION, MUNICIPALITY OF KORONI PELOPONNESUS, GREECE	A. KOUTSOVELI, G. FERMEI, P. BLANAS
THE "MARBLE TRAILS" - GEOTOURISM TRAIL NETWORK	V. LAMBERTO, F. MELEN, C. XAREPE
GEOTOURISTIC ITINERARIES IN THE LAGOA SANTA KARST, MINAS GERAIS, BRAZIL	B.P. MAGALHÃES-GOMES, U. RUCHKYS, M.F. SILVA
GEOLOGICAL HERITAGE AND NATURE CONSERVATION POLICIES AT AROUCA (PORTUGAL)	A. MOURA, M.H.A. MENDES, J.F. SANTOS
GEOMONUMENTS AND TOURISM DEVELOPMENT IN THE NATURTEJO AREA: THE NEXT BIG THING	C.N. CARVALHO
REVITALIZATION OF THE SÃO JOSÉ DE ITABORAÍ PALEONTOLOGICAL PARK, RIO DE JANEIRO, BRAZIL	M.A.C. RODRIGUES
THE GEOLOGIC HERITAGE OF SÃO VICENTE, MADEIRA ISLAND: POTENTIALITIES TO CREATE GEOTOURISTIC ITINERARIES	J. SILVA, C. GOMES

Theme 5 – Portuguese frameworks of international relevance

TITLE	AUTHORS
THE JURASSIC GEOLOGICAL HERITAGE AT THE PARQUE NATURAL DAS SERRAS DE AIRE E CANDEEIROS (CENTRAL PORTUGAL): SELECTED EXAMPLES FROM A BROAD SPECTRUM	A.C. AZERÊDO, M.M. RAMALHO
JURASSIC HERITAGE OF CABO MONDEGO (CENTRAL PORTUGAL)	M.H. HENRIQUES, M.M. RAMALHO
UPPER JURASSIC FEATURES OF HERITAGE VALUE AT NAZARÉ REGION (CENTRAL PORTUGAL): SOME EXAMPLES	M.M. RAMALHO, A.C. AZERÊDO
THE SPANISH-PORTUGUESE GEOLOGICAL FRAMEWORK AT THE VARISCAN BASEMENT AS A COMPARATIVE INFLUENTIAL FACTOR ON MEDIEVAL SETTLEMENT ON BOTH SIDES OF DUERO RIVER	M. LÓPEZ-PLAZA, M.E.P. GOMES, F.J. LÓPEZ-MORO

September 16 – Friday (oral sessions 09:00 - 12:15)**Room B1****Theme 5 – Portuguese frameworks of international relevance**

HOUR	TITLE	AUTHORS
09:00	JURASSIC HERITAGE AND GEOCONSERVATION IN PORTUGAL	M.H. HENRIQUES, A.C. AZERÉDO, L.V. DUARTE, M.M. RAMALHO
09:20	THE JURASSIC REFERENCE SECTION OF PENICHE (PORTUGAL). GEOLOGICAL HERITAGE AND EDUCATIONAL INTEREST	L.V. DUARTE
09:40	JURASSIC PALEONTOLOGICAL AND MICROPALAEONTOLOGICAL HERITAGE OF CABO MONDEGO (PORTUGAL)	M.C. CARAPITO
10.00	COFFEE BREAK	
10:20	ORDOVICIAN FOSSILS FROM VALONGO ANTICLINE (NORTHERN PORTUGAL)	H. COUTO
10:40	THE PALAEONTOLOGICAL HERITAGE OF THE BARRANCOS REGION AND THE NOUDAR NATURE PARK	J.M. PIÇARRA, B. PINTO, M.F. FERNANDES
11:00	LATE QUATERNARY PALAEOENVIRONMENTAL RECONSTRUCTION IN THE NORTHWEST COAST OF PORTUGAL: AN EXAMPLE OF A GEO-SITE ARCHIVE EXPLORATION	I. GARCÍA-AMORENA, M.H. GRANJA, J. PISSARRA, R.E. SILVA, J.M. RUBIALES, G.S. CARVALHO
11:45	CLOSING CEREMONY	

Room B2**Theme 2 – Management of geological heritage**

HOUR	TITLE	AUTHORS
09:00	VOLCANIC CRATERS AS GEOLOGICAL HERITAGE - THE EXAMPLE OF FLORES ISLAND, AZORES (PORTUGAL)	J.M.M. AZEVEDO
09:20	THE OLIVE OIL GREEN RAILWAY (JAÉN AND CÓRDOBA PROVINCES, S SPAIN): DEVELOPMENT OF A GEOTOURISM AND ARCHAEOLOGICAL CYCLING ROUTE	L.M. NIETO, M. SÁNCHEZ-GÓMEZ, J. OLID-MELERO, T. FERNÁNDEZ DEL CASTILLO, M.D. LÓPEZ-VILCHEZ, J.C. CASTILLO-ARMENTEROS
09:40	THE GEOLOGICAL HERITAGE OF THE ARCHAEOLOGICAL SITES. AN EXAMPLE OF THE CLIMATE-HUMAN INTERACTION DURING ROMAN TIMES IN THE "CHAO DE SAMARTÍN" ARCHAEOLOGICAL SITE (ASTURIAS, SPAIN)	M.B. RUIZ ZAPATA, M.J. GIL GARCÍA, C. GÓMEZ GONZÁLEZ, M.E. MOYA-PALOMARES, M. DORADO VALIÑO, A. VALDEOLMILLOS RODRÍGUEZ, T. MARTÍN ARROYO, M. JIMÉNEZ SÁNCHEZ, A. VILLA VALDÉS
10.00	COFFEE BREAK	
10:20	PROPOSAL OF CREATION OF THE EDUCATIONAL AND ENVIRONMENTAL GEO-TRAIL S. PEDRO DA COVA – COUCE (NORTHERN PORTUGAL)	H. COUTO
10:40	THE ROLE OF CAPE GIRÃO IN THE GEOTOURISM DEVELOPMENT OF MADEIRA	J. SILVA, C. GOMES
11:00	SOCIAL AND ECONOMIC ASPECTS RELATED TO THE PRODUCTION OF ORNAMENTAL ROCKS. CASE-STUDIES: MINING CO-OPERATIVES OF SANTO ANTÔNIO DE PÁDUA - RJ AND SÃO TOMÉ DAS LETRAS – MG (BRAZIL)	G.D. CALAES, G.E. FERREIRA
11:20	PREVENTION AND CONTROL OF INSTABILITY PHENOMENA AT THE ZAMBUJAL CAVE (ARRÁBIDA, PORTUGAL)	C.N. COSTA, J.C. KULLBERG, D.F. VENDAS, H.S. VARGAS