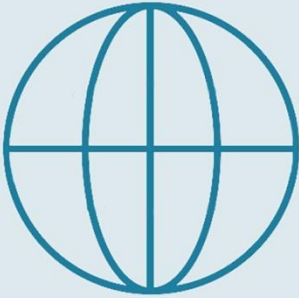


**IGU
UGI**



International Geographical Union

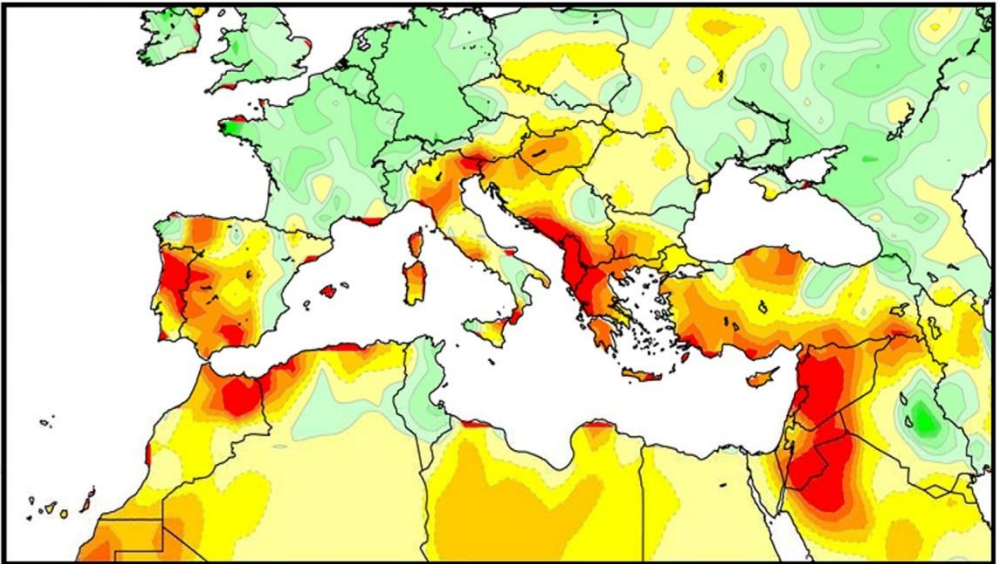
**Commission of the
MEDITERRANEAN BASIN
(COMB)**

**2016 ANNUAL IGU COMB
CONFERENCE**

**The Mediterranean Sustainability
Between Climate Change and
Human Mobility**

**Antalya/Turkey
1st - 4th June, 2016**

BOOK OF ABSTRACTS



1st - 4th June 2016 / Turkey



International Geographical Union
Commission MEDITERRANEAN BASIN - COMB



Co-Chairs

Barbaros Gönençgil

Maria Paradiso

Organizing Committee

Barbaros Gönençgil

Maria Paradiso

Ahmet Ertek

İhsan Bulut

İhsan Çiçek

Scientific Committee

Maria Paradiso

Barbaros Gönençgil

Annick Douguédroit

Anastasia Stratigea

Izhak Schnell

Stanley D. Brunn

Contents

Foreword.....	5
Chérifa Abdelbaki, Mohamed Bachi, Mohamed Amine Allal - Problematic Of Flood Risk In Urban Area - Case Of Urban Agglomeration Of Sidi Bel Abbes, Algeria	8
Chérifa Abdelbaki, Sidi Mohamed Djelloul Smir, Mohamed Amine Allal - A Quality Approach For Managing The Water Distribution Network Of The Tlemcen Urban Cluster, Algeria	10
J. Adjizian Gérard, G. Karam, N. Badaro-Saliba1, N. Kehdy - Approche locale du changement climatique et perception Cas de la plaine de la Beqaa (Liban).....	12
Mohamed Alouat - Citizen Participation in Urban Sustainable Development in Algiers Metropolitan Area.....	14
Yoshio Arai - The Sustainability of Japanese Islands and the National Policies	15
Olgu Aydın, Nussaibah Begum Raja - Using Spatiotemporal Kriging for Interpolating Extreme Precipitation Events in Turkey: Case study of the Flash-Flood Event of the 22-23 September 2015 in Bodrum, the Mugla Province	17
H. Belarbi, B. Touaibia, N. Boumechra, C. Abdelbaki - Drought Rainfall Persistence at the Level of Tafna Basin	19
Habib Ben Boubaker - Paroxysms of Heat Under Hot Mediterranean Climate: Methodological Aspects and Impacts on Humans Through Examples from Tunisia	21

Fouad Boukli Hacène, Nachida Kesbadji-Merzouk, Farouk Benmeddour - Assessing and Using Wind Energy to Pump Water: A Case Study of Ténès (Algeria)	23
Boukli Hacène F., Boukheddia F. , Tahar Abbes M. - Modeling the Dispersion of Pollutants from Industrial Sources in Urban Area - Case of Chlef, Algeria.....	25
Stanley D. Brunn - A Geopolitical and Geovisualization Challenge: Increasing the Awareness of Global Enviromental Change Through Postage Stamp Issues	27
İhsan Çiçek, Necla Türkoğlu, Serhat Sensoy - Assessment of Climate Change in the Euphrates-Tigris Basin by Using Climate Indices and Regional Model Projections.....	29
Tuncer Demir, İhsan Bulut - The Earliest Securely-Dated Hominin Artefact in Western Anatolia?.....	31
Annick Douguédroit, Sébastien Bridier - L'influence du changement climatique sur les variations spatio-temporelles du réchauffement des températures dans la région méditerranéenne française (1951-2010)	33
İhsan Çiçek, Neşe Duman, Olgu Aydın - Relationship of Temperature Trends and Urban Population Growth in Turkey.....	36
Pantelina Emmanouilidou - Vulnerable Islands on a Climate Changing World.....	39
T. Ahmet Ertek - Relations Between Turkish Coasts Beachrocks and Sea Level Changes in Mediterranean Sea	41
Barbaros Gönençgil, Zahide Acar Deniz - Indices of Temperature Extremes in Mediterranean Coastlines of Turkey.....	43
Kenji Hashimoto - The Declining of Neighborhood Stores and the Crisis of Sustainability in Japanese Islands.....	45

Hiroaki Kammura, Kenji Hashimoto - The Marketing and Distribution of the Regional Specialty Products for the Economic Development in Japanese Islands.....	47
Naji Kehdy - Influence of the Climate Change on the Types of Agricultures: Case of the Central Beqaa.....	49
Hatice Kılar, İhsan Çiçek - Storm Surge Modelling in Göksu Delta - Mersin	51
S. Mangano, P. Parciasepe, M. Spotorno - Global Climatic Change and Climatic Quality of Tourist Experience: The Case of Marrakech	53
Masatoshi Motoki - The Change of Conservation of Traditional Spring Water in the Island of Japan	55
Maria Panagiotopoulou, Akrivi Leka, Anastasia Stratigea - Climate Change and Sustainable Tourism: A Challenge for the Mediterranean Island Territories	57
Izhak Schnell - Differences in Human Exposure to Environmental Risk Factors by Type of Environment in Mediterranean Cities: The Case of Tel Aviv.....	60
Abhinaw Tiwari - From Information to Adaptation: Citizen Centered Transparency for Enhanced Climate Adaptation	62
Abdellatif Tribak, Mauro Spotorno, Maria Paradiso - Réfugiés climatiques, occupations des zones à risques et vulnérabilité du cadre bâti dans l’agglomération de Fès –Maroc (cas de la médina et des quartiers périphériques)	64
Kenta Yamamoto - Embeddedness of Immigrants to a Remote Island: A Case Study of a Performance Group in Sado Island, Japan	66

Foreword

The idea for this Conference first emerged from intradisciplinary sessions which we undersigned organised in the Commission Mediterranean Basin (IGU COMB) within the International Geographical Union Conferences as well as talks we had from our different and integrated perspectives of physical and human geographers in Ankara in 2015 at Geography Symposium and Istanbul University during an Erasmus leave. The Conference concept is indeed challenging and innovative. We drafted it to invite Mediterranean geographers (or geographers interested in the Mediterranean area) to address scientific challenges initially proposed by 1. The IPCC Working Group I, contribution to the IPCC Fifth Assessment Report (AR5) Climate Change (2013) evaluated assessment of future climate change for the Europa and Mediterranean and ISSC ‘Transformative Cornerstones’.

We look for research dealing with climate change and its effects on integrated perspective natural environment and humanity in the Mediterranean region. The complexity of climate change, impacts and adaptation needs to understand the physical, political and economic geography of these processes, and how they relate to other social problems, including persistent poverty, people’s vulnerability included women, children welfare systems and wellbeing, human development and rights as

well as duties, social and democratic national cohesion or 'otherness', solidarity, conflict, security and militarization, cooperation among countries or Mediterranean shores.

How are climate change risks events and reactions experienced in different geographical contexts?

How have they mediated by ethnic, class, gender, political and professional cultures?

What examples and why do we have about successful change/adaptation stories?

The Conference brings together nearly 30 human and physical geographers, planners, hydrologists from across Mediterranean Basin (Algeria, France, Greece, Italy, Israel, Morocco, Tunisia, Turkey) and beyond since our distinguished Colleagues from India, Japan and United States contribute to our challenging endeavour. We are all interested and have expertise in transcending our discipline's boundaries as well as encountering sisters disciplines and expertise. We are interested to discuss and progress for the scope of constructing and contributing to an hybridized paradigm, concepts, analyses of physical and human geography studies about human condition under climate changing conditions.

The range of accepted papers solicit ideas, findings, proposals on the full range of analysis, modelling of evolutions, assessment of impacts and discussions of

adaptation tools, strategies cases. A number of selected presentation will be invited to evolve into chapters for a book proposal to a main international publisher.

Maria is especially grateful to Turkish Geographical Society (Ahmet Ertek) and Department of Geography of Ankara (İhsan Cicek) for cooperating in this event as well as the new Department of Geography University of Antalya (İhsan Bulut, Tuncer Demir) for friendly supporting our organisation. Annick Douguédroit, University of Marseille, former Chair of IGU Commission Climate Change is distinguished member of our conference board.

As COMB we are highly appreciative of Barbaros Gönençgil, Ahmet Ertek and Turkish Colleagues for their endless and successful cooperation within IGU since 2010.

We are especially grateful to Parliamentary Assembly of the Mediterranean for its High Patronage to Antalya 2016 Conference and support to IGU COMB, member of PAM Academic Platform.

Maria Paradiso (University of Sannio, Italy)

Barbaros Gönençgil (University of Istanbul, Turkey)

June 2016