

Scope and objectives

The 7th Conference on Sustainable Development of Energy, Water and Environment Systems, to be held in 2012 for its 7th consecutive time, is dedicated to the improvement and dissemination of knowledge on methods, policies and technologies for increasing the sustainability of development by de-coupling growth from natural resources and replacing them with knowledge based economy, taking into account its economic, environmental and social pillars, as well as methods for assessing and measuring sustainability of development, regarding energy, transport, water, environment and food production systems and their many combinations.

The Conference will focus on the following objectives and will be organised in the following sessions:

Sustainability comparisons and measurements methodologies; Sustainable development as a driver for innovation and employment; Green New Deal; Decoupling growth from resources; Decarbonisation; Energy policy, Transport policy, Water policy and the energy-water interaction Environmental policy, Agricultural policy; Employment and energy, transport, water and environment systems; Technology transfer and development; Social acceptance; Sustainable resilience of engineering systems; Sustainable tourism, Urbanism; Regional planning and cooperation; Sustainable islands; Research, innovation and development; Education in sustainable development Cooperation for development; Energy system analysis, Water system analysis, Transport system analysis; Life cycle assessment, Environmental impact assessment, Eco-design and Eco-labelling, Product cycle assessment; Energy planning; Transport management; Renewable energy resources; Primary energy resources; Water resources; Food and agriculture; Renewable electricity generation systems; Thermal power plants; District heating and/or cooling infrastructures in future energy systems; Nano and micro technologies and science for sustainable development of energy, water, and environment systems; Carbon capture and storage/sequestration; Nuclear energy; Advanced sustainable energy conversion systems; Renewable heat systems; Biofuels and biorefineries; Hydrogen production and use technologies; Hybrid and electric vehicles; Other alternative fuels; Water treatment; Water desalination; Wastewater treatment; Waste treatment, Waste to energy, Recycling waste; Pollution modelling; Heat and mass transfer modelling; Cogeneration, Trigenation, Polygeneration; Storage; Smart energy networks; Energy efficiency in industry and mining, Energy efficiency in agriculture and aquaculture, Energy efficient appliances; Buildings; Energy markets, Emission markets; Political aspects of sustainable development.

In addition, acknowledging that regional coordination is the only feasible solution for gaining synergy effects for the small and only partially connected emerging energy markets of the South East European Region, the Conference will address the core goals of the Energy Community.

Organizers

University of Zagreb, Zagreb, Croatia
Macedonian Academy of Sciences and Arts,
Research Center ICEIM, Skopje, Macedonia
Instituto Superior Técnico, Lisbon, Portugal



CONFERENCE ON
SUSTAINABLE DEVELOPMENT OF
ENERGY, WATER AND
ENVIRONMENT SYSTEMS

July 01 - 06, 2012
Ohrid, Macedonia

In cooperation with

University of Dubrovnik, Dubrovnik, Croatia
Aalborg University, Aalborg, Denmark
Institut National Polytechnique de Grenoble, Grenoble, France
Cologne University of Applied Sciences, Cologne, Germany
University of Pannonia, Veszprém, Hungary
Delft University of Technology, Delft, The Netherlands
"Vinča" Institute of Nuclear Sciences, Belgrade, Serbia
Jozef Stefan International Postgraduate School, Ljubljana, Slovenia
Industrial University of Santander, Santander
University of Zaragoza, Zaragoza, Spain
University of Pennsylvania, Philadelphia, USA

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International Centre for Sustainable Development of Energy, Water and
Environment Systems, Zagreb
The Club of Rome, Zagreb/Ljubljana/Vienna
The World Academy of Art and Science
The Initiative for Global Environmental Leadership, Philadelphia
The Lauder Institute, Philadelphia
Mediterranean Network for Engineering Schools and Technical
Universities, Marseille
Penn Lauder CIBER, Philadelphia
The Combustion Institute, Zagreb

Partner Journals

Applied Energy
Energy - The International Journal
International Journal of Hydrogen Energy
International Journal of Sustainable Water and Environmental Systems
Management of Environmental Quality: An International Journal
Strojarstvo: Journal for Theory and Application in Mechanical Engineering
Thermal Science
Utilities Policy
Waste Management and Research



1st CALL FOR PAPERS

www.ohrid2012.sdewes.org

Call for papers

The purpose of papers is to report original, previously unpublished findings in the fields of energy, water and environment. All papers will be reviewed under the direction of the International Scientific Committee by the Scientific Advisory Board. Accepted papers will be required in English only, and will be published in the Conference CD-ROM. The papers with archival value, meaning those that report final results of research, with proper literature review, will be thoroughly reviewed and will be candidates to be published in special issues of journals. The papers that report work in progress, papers without thorough literature review, are invited as conference papers, and will receive less stringent review. Authors are invited to offer suggestion on classification of their papers, when submitting them. Submissions are welcomed by authors from any country and authors willing to present a paper should submit an abstract in English, up to 1 page, via web interface: <http://www.ohrid2012.sdewes.org/registration>.

Each paper to be published in CD Proceedings and in special issues of journals will have to be presented at the Conference by one of the authors (presenting author). The papers will not be allowed to be presented by non-authors. Each participating author will be obliged to present one paper orally at the Conference. Any further papers will be presented in the poster sessions.

Conference dates

Abstract deadline (archival)	December 15, 2011
Archival full paper	February 15, 2012
Fees due - membership waiver, archival papers, reduced fee	February 15, 2012
Visa requests and fee settlement	April 30, 2012
Conference full paper	June 15, 2012
Full members fee for conference papers	May 15, 2012
Corporate fee deadline	May 15, 2012
Draft online CD	June 25, 2012
The Conference	July 01-06, 2012
Final online CD	July 15, 2012
Submission of papers to special issues	depending on the journal

Conference venue

The City of Ohrid resembles a white swan embedded in the surrounding deep blue water and indigo mountain scenery. Suspended on the rock, the town raises on the northern shores of the lake high above the water, reflecting its beauty in the crystal clear waters. The Lake of Ohrid, one of the deepest and oldest in Europe, was once surrounded by 365 churches, one for each day of the year, some dating from the 4th century.



"If you bathing in Lake Ohrid on a sunny day and suddenly emerge from its depths, breaking the surface for a moment, you will see on the pale blue expanse all around you silvery, transparent bubbles, big and small. In each of them the Sun is doubly reflected, like two focuses of different sizes. Approaching one of the bigger bubbles, holding your breath for fear it may burst, you can see in it, as in a distorting mirror, the reflection of your face, wet and laughing..."

Ivo Andrić, Nobel Laureate

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