



Call for Papers

Long-distance and Cross-border

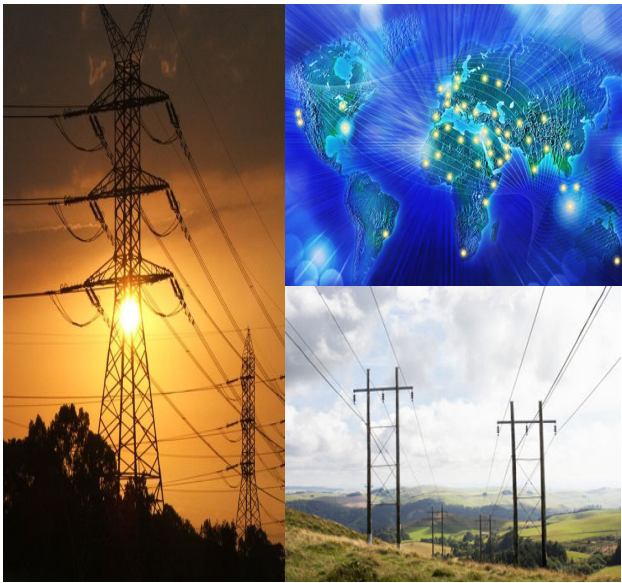
Electric Power System Interconnections:

Strategic Needs, Sustainability, Environmental and Social Issues

International Colloquium

Tel Aviv (Israel); October, 27th 2011

Organized by CIGRE Israel National Committee (NC) and
The Study Committee SC3 - "System Environmental Performance"



BACKGROUND AND SCOPE

Long-distance/cross-border interconnections are playing an increasingly important role in current and future developments of Electric Power Systems worldwide, thereby allowing the exploitation of available energy sources located far from consumption centres, enabling the effective integration of larger amounts of renewable energy sources, increasing the system's reliability - through mutual power systems' back-up services- and completing the integration of electricity markets.

In addition to the above-mentioned benefits, such interconnections can have large environmental and social impacts. These need to be duly considered from as early as the planning phase.

Modern technologies can help in reducing the impacts and increasing system flexibility and operability.

MAIN TOPICS

- **Currently-available opportunities and needs in order to integrate various energy systems and different energy sources** (such as renewable alternatives), which can be facilitated through long-distance as well as cross-border interconnections.
- **Socio-environmental cost/benefit analysis of interconnections:**
 - Environmental Impact Assessment methods and experiences,
 - Environmental impact modelling and monitoring,
 - Comparison among different technological options (e.g. cables vs. OHL, UHV vs. HVDC, improved usage of existing transmission routes, etc.),
 - Social and environmental impacts mitigation and compensation measures.
- **Methodologies for interconnections' planning and for integrating sustainability, environmental as well as social issues into the planning phase:**
 - Integrated generation/transmission planning,
 - Strategic Environmental Assessment (SEA),
 - Communication and stakeholders' engagement in planning, construction and operation of interconnections.

PARTICIPANTS

- Governmental and state agencies' advisors/consultants, representatives from the Ministry of Infrastructure, Ministry of Environmental Protection, Ministry of Finance, Regulators, etc.
- Utilities' senior management, members of the Board of Directors and other decision makers,
- Consulting engineers, academics, financial professionals, etc.
- Entrepreneurs and investors.

CONFERENCE VENUE



Tel Aviv (Hebrew: "Spring Hill") was founded in 1909 on the outskirts of the ancient port city of Jaffa. Tel Aviv is the second-largest city in Israel, with an estimated population of 394,000. Situated on the Israeli Mediterranean coastline, Tel Aviv is the country's financial capital and a major performing arts and business center. The economy of Tel Aviv was ranked second in the Middle East and 50th in the world in 2010 by *Foreign Policy*. The city is a major economic hub, home to the Tel Aviv Stock Exchange and many corporate offices, research and development centers. The city's beaches, parks, cafés, restaurants, shopping, cosmopolitan lifestyle and 24-hour culture have made it a popular tourist destination and is often referred to as "The city that never sleeps".

SCIENTIFIC COMMITTEE

Hervé Laffaye, Senior VP, Director Electricity Transport Division, RTE (Réseau Transport d'Electricité, France)

Stephen Martin, Head Environmental Department, Powerlink Queensland (Australia)

Antonio Negri, Head Environmental Department, RSE (Italy), Chairman CIGRE Study Committee C3

John Oglevie, Senior Project Manager, Power Eng., USA

Francisco Parada, Head Environmental Department, REN (Redes Energeticas Nacionais, Portugal)

Glen Singleton, Principal, Environment & Sustainability, British Columbia Hydro (Canada)

The members of Steering Committee - Israel

Mr. Alex Levinzon, Israel Electric Corporation Ltd (IEC), Chairman-Israel CIGRE NC

Dr. Eugenia Bernshtein, Ministry of Environment, Jerusalem

Dr. Ofira Ayalon, The Neaman Institute for Advanced Studies in Science and Technology, Haifa

Prof. Dr. Gady Golan, Dean of the Engineering Faculty, Holon Institute of Technology.

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Prof. David Cahen, Weizmann Institute of Science, Rehovot

Mr. Lior Shmueli, Israel Institute for Energy and Environment, Tel Aviv

Dr. Tal Katz, Office of the Planning, Development and Technology Division, IEC, SC3, Haifa

Mr. Marcel Ellenbogen, Transmission Group, IEC, SC3, Haifa.

LOCAL ORGANIZING COMMITTEE and CONTACTS

Chaired by **Mr Moshe Bachar**, Deputy CEO, VP Generation & Transmission, IEC.

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SUBMISSION OF PAPERS

Participants wishing to present a paper are invited to submit their abstract in English (max 500 words) to Israel CIGRE National Committee, before **15th January 2011**, to: marcelloe@iec.co.il.

Each abstract must indicate the topic(s) and sub-topic(s) that will be addressed. The name, title, company affiliation, e-mail and full address of the author(s) should also be provided.

DEADLINES

Reception of abstracts:

January 15, 2011

Selection of papers and notification of acceptance:

February 28, 2011

Submission of final papers:

May 31, 2011