

**"CALL FOR PAPERS"
FIRST DRAFT**



**UNITED NATIONS
ENVIRONMENT PROGRAMME**

**INTERNATIONAL INSTITUTE
OF REFRIGERATION**

EUROPEAN ENERGY CENTRE – UK

**TECHNOLOGY EDUCATION RESEARCH
REHABILITATION ENVIRONMENT - INDIA**

**ASSOCIATION OF REFRIGERATION
TECHNICIANS**

CENTRO STUDI GALILEO - ITALY

**THE LATEST TECHNOLOGIES IN
RENEWABLE ENERGY
to lower CO₂ emissions
also considering HVAC&R applications**

***"Getting Ready for Renewable Energy -
Green New Deal"***

21st January 2011

Heriot-Watt University, Edinburgh

www.EUenergycentre.org

www.eurocooling.com

www.associazioneATF.org

9.00 am - 6.00 pm

Buffet Lunch 1.00 pm - 2.00 pm

**EUROPEAN CONFERENCE MAKES GREEN
NEW DEAL (GND) A REALITY**

"Getting Ready for Renewable Energy - GND¹", is an important international conference that will take place in the Scottish city of Edinburgh, on the 21st of January 2011. Putting into practice the aims of the GND, it will explore the opportunities for partnership between Europe and the expanding field of renewable energies.

The GND is the solution to both the economic and environmental challenges the world faces today. Investment and development in new, renewable technologies will contribute to the reduction of climate change whilst creating economic growth through trade and employment opportunities.

The conference is organised by Centro Studi Galileo (CSG), the Indian association TERRE² and the Associazione Tecnici Italiani del Freddo³. Building upon the outcomes of the 13th European Conference - which CSG chaired in partnership with the United Nations last year - this conference will directly address the Scottish Government's desire to collaborate with international institutions to push on Renewable Energy Applications.

After the UN global summit on climate change, which was held in Copenhagen last December, *"Getting Ready for Renewable Energy"* will provide real tangible solutions to the environmental challenges being faced in Europe and throughout the rest of the world. Whilst politicians discuss the wider context of these changes, this conference will demonstrate the positive action renewable businesses can take today to implement the GND, reap the financial benefits and create a sustainable energy future for us all.

The conference will also mark the inauguration of Centro Studi Galileo's new European Energy Centre (EEC), in UK. The EEC will provide quality, professional training on energy saving and renewable energy.

CONFERENCE OBJECTIVES

- Understanding the real physical and practical limits on available resources for solar, wind, bio-energy and geothermal.
- Comparing and choosing between Renewable Energies.
- Installing renewable energy equipment correctly.
- Maintaining domestic and commercial renewable energy equipment to ensure system energy optimization.
- Refurbishing old renewable energy equipment with new high efficiency components and the resultant payback time.
- Integrating renewable and traditional energy within heating and cooling systems.
- Energy efficiency in buildings: systems, structure and insulation.
- Investment potential for both the economy and the environment.
- Green business opportunities for the youth and small businesses.
- Discussion and presentation on Renewable Energy Training Centre in Scotland: European Energy Centre.

¹ "Getting Ready for Renewable Energy – GND" will carry the auspices, as in the previous conferences, of the Italian Ministry of Foreign Affairs and the Italian Ministry of The Environment and is expected to receive the auspices of European Commission

² TERRE – Centre for Technology, Education, Research and Rehabilitation for the Environment – www.terrepolicycentre.org

³ ATF – The Italian Association of Refrigeration

9.00 am

Member of Scottish Parliament
Scottish Minister (invited)
GENERAL INTRODUCTION

Energy and environmental optimization with reference to
new system plant developments.

Member of Scottish Parliament (invited)
R.Shende United Nations – UNEP
D.Coulomb IIR
G. Fox, M.Buoni AREA
A.Cavallini University of Padua – IIR
E.Macchi Politecnico of Milan
A.Pearson IOR

First Session

THE NEW COMPONENTS AND EQUIPMENT IN
RELATION TO ENERGY SAVING AND ENVIRONMENTAL
ISSUES TO CUT CO₂ EMISSIONS RESULTS AND
UPDATES IN NEW SYSTEMS:

CHAIRMEN: R. Shende OzoneAction Programme United
Nations; S. Roaf Heriot-Watt University; A.Cavallini
University of Padua; E. Macchi Politecnico of Milano; T.
Muneer Edinburgh Napier University; H. Halozan Graz
University of Technology, Austria;

Biomass - use of domestic and agriculture waste.

Air Conditioning - innovative AC applications with
energy efficiency.

Heat Pumps - air, water and geothermal plants.

Photovoltaic - grid connection and stand alone.

Thermal Solar - heating and cooling systems.

Wind Power - installation and maintenance of small and
big wind mills.

New technology systems, new technology energy
optimization, new components for household,
commercial and industrial renewable energy. New
technologies in RE, process and design. New technology
in insulation.

Provisional Speakers: S. Roaf Heriot-Watt University –
A.Cavallini University of Padua - E. Macchi Politecnico of
Milano - A.Pearson Institute of Refrigeration - H. Halozan
Graz University of Technology, Austria - A. Presciutti
University of Perugia - P. Castaldo Consultant – P.
Lundquist IIR- Yang Yifan CAR - Tapas Mallick, Brenda
Rowan Heriot-Watt University - Jyotirmoy Roy CREST
Loughborough University - I.Tansley BrightLightSolar.

Lunch Break 1 pm – 2 pm

Second Session

EUROPEAN AND INTERNATIONAL LAWS AND CLIMATE
CHANGE. CERTIFICATIONS AND
LICENCES IN ENERGY SAVING.
ENERGY CERTIFICATION OF BUILDING DIRECTIVE.
NEW CONTROL TECHNOLOGIES IN RENEWABLE
ENERGIES

CHAIRMEN: European Commission; E. Macchi
Polytechnic of Milano; G.Holness - ASHRAE; S. Russell
University of Edinburgh; M. Masoero Politecnico of Torino;
R. Shende OzoneAction Programme United Nations;
G.Fox AREA

New Regulations: inspections, logbook, handling
components, minimum requirements for personnel,
trainings. European certifications and licenses. Issues
concerning production and installation. Energy saving
optimization. Energy Certification of Building.
Environmental control for comfort and energy
optimization.

Provisional Speakers: European Commission -
G.Holness ASHRAE - R. Patten EPEE – G.Fox AREA - M.
Lowry RSES US - Klas Berglof Climacheck - M. Creamer
Business Edge - M. Masoero Politecnico of Torino - G.
Panno University of Palermo - L. Cecchinato University of
Padova – Carel.

Third Session

OPEN DISCUSSION ON
ENERGY AND ENVIRONMENTAL ISSUES, GOVERNMENT
SUBSIDIES AND THE ENVIRONMENT: EXPLORING THE
LINKS WITH GND: BRIGHT PROSPECTS IN RENEWABLE
ENERGY

TRAINING AND EUROPEAN REGULATIONS

CHAIRMEN: R. Shende OzoneAction Programme United
Nations; D. Coulomb IIR; A.Cavallini University of Padua;
A.Pearson Institute of Refrigeration;
European Commission;

Discussion on energy issues in relation to renewable
energies, components and plant optimization.
Government subsidies - benefits for the Environment.
Discussion on energy saving and maintenance.
European regulations.

Provisional Speaker: R. Shende, E. Clark OzoneAction
Programme United Nations - D. Coulomb IIR - R. Savigliano
United Nation Industrial Development Organization UNIDO -
K.MacGregor Solar Mac Gregor - R. Patten European
Partnership for Energy and Environment EPEE - P.Kew
Heriot Watt University - F. Benassis AICVF.

CONCLUSIONS OF THE CONFERENCE ON THE FUTURE
PROSPECTIVES OF RENEWABLE ENERGIES AND THEIR
ROLE IN COMBATting CLIMATE CHANGE

D. Coulomb IIR
R. Shende OzoneAction Programme United Nations

GND: The Green New Deal revolution, this is the
development of new green technologies. Its aim is
energy saving and environment sustainability. This is
seen by many experts in the field as the solution to
overcoming the global recession.

UNEP: United Nations Environment Programme, the
branch of UN to provide leadership and encourage
partnership in caring for the environment.

IIR: International Institute of Refrigeration is a scientific
and technical intergovernmental organization enabling
pooling of scientific and industrial know-how in all
refrigeration fields on a worldwide scale.

E.E.C: European Energy Centre, founded and based in
the United Kingdom. The E.E.C. is the answer to the lack
of highly skilled and qualified technicians in the
renewable energy sector both in Europe and in
developing countries.

TERRE: Centre for Technology, Education, Research and
Rehabilitation for the Environment. An important centre
in the University city of Pune, near Mumbai, India,
TERRE with Centro Studi Galileo will launch the Green
New Deal in Pune.

CSG: Centro Studi Galileo, established for 35 years,
have held thousands of training courses in energy and
climatization, organised hundreds of conferences and
thirteen European Conferences on the latest energy
saving technologies in climatization; all those identify
the importance of "Getting Ready for Renewable Energy
– GND".

ATF: Associazione dei Tecnici Italiani del Freddo –
Italian Association of refrigeration, together with CSG,
ATF has the target of developing renewable energies
and GND.

Conference organizer and secretariat

EUROPEAN ENERGY CENTRE

CENTRO STUDI GALILEO

ATF - ASSOCIAZIONE TECNICI DEL FREDDO

Ph. +44 (0)131 4469479

Tel. +390142452403

conference@centrogalileo.it

www.EUenergycentre.org

www.centrogalileo.it

www.associazioneATF.org