



ENERGY & ECODEVELOPMENT

MONITORING PROGRESS ON ENERGY AND ECODEVELOPMENT

INSIDE THIS ISSUE:

HELIO'S NEW EXECUTIVE DIRECTOR 1

HELIO BOARD VOTED IN 1

AN UPDATE ON HELIO'S LATEST PROJECTS 2

WHO MAKES UP HELIO? 3

HELIO'S COMINGS AND GOINGS 4

HELIO BOARD AND STAFF

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Nina CAMPBELL

Secretary

Stéphane QUEFELEC

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Pierre BEAUDOUIN

Valérie BLANCHOT-COURTOIS

Members—ex-officio

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Ibrahim TOGOLA (HELIO Afrique)

Staff

Executive Director

Stéphane POUFFARY

Project Director

Laura E. WILLIAMSON

Head—HELIO Junior

Irène BEUCLER

TRANSFORMING CONSTRAINTS INTO OPPORTUNITIES



It will be the middle of the United Nations Framework Convention on Climate Change (COP 16) in Cancun, Mexico when you receive this newsletter. Overcoming national and international differences and divergences, while generating the necessary conditions for the construction of a new climate and energy governance model, should be our common goal.

HELIO, since its establishment in 1997, has determinedly carried out its mandate by observing, analysing and assessing the contribution of energy systems and policies to ecodevelopment and by providing the results of this independent work to assist deci-

sion makers in their task.

Today, issues of vulnerability, adaptation and resilience are increasingly pressing. Having said that, access to clean and affordable energy is an omnipresent challenge and is too often not considered in light of ecodevelopment goals. HELIO with its long experience on this topic intends to strengthen its actions and projects and implement new initiatives, creating synergies with all stakeholders to push energy and ecodevelopment issues to the top of the agenda.

More than ever, HELIO is committed to providing an independent perspective on the development of energy policies and the implementation of ecodevelopment projects. The challenges are numerous

but we are convinced that it is still possible to transform constraints into opportunities and it is in this spirit that HELIO will be implementing new projects in 2011.

This vision and this spirit of leadership is what attracted me to HELIO and why I have agreed to be its new Executive Director. This is a privilege and it is with enthusiasm and responsibility that I and the rest of the HELIO team are ready to help address these challenges.

Stéphane POUFFARY

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WELCOME TO HELIO'S NEW EXECUTIVE DIRECTOR!



HELIO International is happy to welcome Stéphane Pouffary as our new Executive Director. His expertise and enthusiasm will be great assets for us and we are confident that he will lead HELIO to higher levels of achievement and service in the public interest. His leader-

ship, tested at ADEME (French Energy and Environment Agency) in the field of international cooperation, is a guarantee that HELIO will be able to continue its route and contribute to the promotion of energy policies that favour ecodevelopment.

Hélène CONNOR
Board Chairman

helene.connor@helio-international.org



During an Extraordinary General Meeting, held November 10, 2010 in Paris, HELIO members elected a new Board. This board was elected for a three-year term, which takes effect immediately. A revised set of statutes was also approved. For information on the new board members or to read the new statutes, please consult:

www.helio-international.org/aboutus.cfm

HELIO PROJECTS: AN UPDATE

VAR: Vulnerability, Adaption, Resilience

In this project HELIO developed a series of indicators to measure the vulnerability of energy systems and identify possible adaptation efforts. These indicators were then applied to ten Sub-Saharan African countries and national reports were produced. Each report identifies and assesses the vulnerability of a country's energy systems. National assets to reinforce the resilience of its energy system are also presented. The reports conclude with suggestions as to how these potential solutions can be implemented. There is also an accompanying global report titled: "Climate-proofing Energy Systems". More than just a synthesis of the national studies, this global report explains why a metric for the vulnerability and resilience of energy systems is needed and proposes a methodology that can be used to identify appropriate adaptation policies. It summarises anticipated climate-induced impacts on key energy systems and outlines possible adaptation measures. The report concludes with a series of recommendations to help reinforce the resilience of energy systems generally. The reports are available in French and English; digital copies are available on CD ROM and at: www.helio-international.org/projects/VAR09.cfm

TIPEE: Traitement de l'information pour les politiques énergétiques et l'écodeveloppement (Information Processing for Energy Policy and Ecodevelopment)

Funded in part by the L'Institut de l'énergie et de l'environnement de la Francophonie (IEPF) this project further develops the work started with VAR (see first column). In this project the aim is to strengthen a country's capacity to identify, structure and use available information to develop and implement energy policies that integrate climate constraints and are consistent with ecodevelopment objectives. The project will develop a methodology and indicators to help decision- and policy-makers assess and promote sustainable energy policies that are climate-resilient. Two sub-Saharan Africa countries (that are part of IEPF's *Systèmes Information Énergétique* (SIE) project) will participate as pilot countries. For more information about this project contact Laura Williamson at: laura.williamson@helio-international.org

Cost-effective Renewable Energy: Rural Areas in the Mediterranean Region

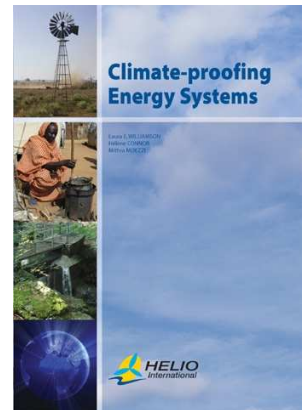
As part of a European project lead by the Observatoire de la Méditerranée, and in cooperation with the French Environment and Energy Agency (ADEME), HELIO was

asked to identify the impacts of renewable energy electrification on ecodevelopment in rural and peri-urban regions. HELIO identified two new sets of indicators (one for projects and one for strategies) to help assess the social impacts of rural electrification in Tunisia, Algeria, Morocco and Egypt. Outputs included a methodology, guide and a series of indicators to measure electricity access before and after project implementation. These indicators were designed so that they could be used to assess the impact of the introduction of renewables into other countries. The final report and summary guide can be found at:

www.helio-international.org/projects/MEDRES.cfm

NEEDS: New Energy Externalities Developments for Sustainability

The objective of this EU-funded project was to evaluate the full costs and benefits, i.e. direct and external, of future energy technologies, both at national and EU levels. The NEEDS project first refined and developed the externalities methodology previously created by the ExternE project. An assessment framework was then developed to evaluate the external costs of alternative energy cycles and evaluate the full costs of energy technologies and of future energy systems. (contd...)



Cover from the VAR project: Climate-proofing Energy Systems. This report is available in English and French.

"We must treat climate as a security issue, the most important threat to global security we will ever face. Energy is at the heart of this transition. Climate security and energy security are two sides of the same coin: one cannot be achieved without the other."

Maurice Strong, former Secretary General of the UN Conferences- Stockholm (1972) and Rio (1992)

ADEME



Agence de l'Environnement et de la Maîtrise de l'Énergie



gtz

On behalf of
Federal Ministry
for Economic Cooperation
and Development



ORGANISATION
INTERNATIONALE DE
la francophonie



HELIO's work has been supported in part by the above funders.

HELIO PROJECTS: AN UPDATE CONTD.

HELIO advised on the definition of social indicators, their selection and evaluation. HELIO also facilitated civil society involvement at the national level. More information about this project can be found at:

www.needs-project.org/

GRI: Global Reporting Initiative Electric Utilities Reporting

HELIO was the only contributing NGO to the development of this Supplement. This document is now available on the GRI website at:

www.globalreporting.org/ReportingFramework/SectorSupplements/ElectricUtilities/

CLACC: Capacity Strengthening of Least Developed Countries (LDCs) for Adaptation to Climate Change

From 2007 – 2010 HELIO was responsible for monitoring and evaluating the CLACC Programme at the International Institute for Environment & Development (IIED). Via a network of HELIO monitors, each CLACC fellow was assessed on his/her performance and on how well adaptation was being considered within the country. The work entailed monitoring the activities of the individual CLACC Fellows, producing an annual evaluation of programme management, and coordinating the reports prepared

by the monitors on CLACC partners and Fellows. The participating countries were: Bangladesh; Bhutan; Benin; Kenya; Malawi; Mali; Mauritania; Mozambique; Nepal; Senegal; Sudan; Tanzania; Uganda; Zambia; and Zimbabwe. The various assessment reports are available on the HELIO website at:

<http://www.helio-international.org/projects/CLACC.cfm>

Highlights Report: HELIO survey on national energy policies

A lack of implementation and enforcement in energy efficiency and renewable energy strategies, combined with an increase in energy imports, raises serious concerns about national energy security under changing climatic conditions. This was the main finding of a survey of 67 energy experts from 42 countries carried out by HELIO in late 2009.

While climate change captures the headlines and is a major global concern, local environmental problems are also important, but frequently neglected. Almost one-third of experts surveyed believe that the management and use of water and watershed areas is the biggest environmental concern in their region or country compared to one-fifth who maintain that climate change and its associated

impacts are of greatest importance.

HELIO's Highlights Report summarises respondents' comment on how well their countries' energy policies are meeting sustainable (eco) development objectives and include assessments on:

- the role of energy efficiency in reducing national dependency on fossil fuel imports;
- the level and affordability of renewable energy technologies;
- the level and extent stakeholders and civil society are included in the decision-making process; and,
- the degrees to which governments are systematically assessing the effects of climate change on energy provision.

The survey is a new tool for HELIO to follow the progress of the development and implementation of sustainable national energy policies. The survey included experts from 26 non-OECD countries and builds on the work of HELIO's Sustainable Energy Watch that assesses policies at the national and regional levels.

A copy of the survey results can be downloaded at:

www.helio-international.org



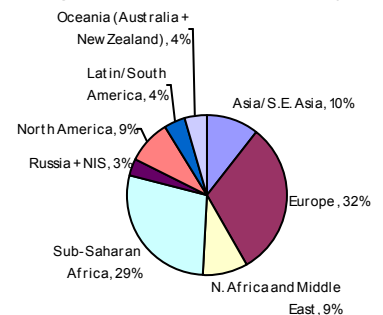
The vulnerability of energy systems to climate change impacts must be assessed.

Electricity pylons destroyed by a freak ice storm.

WHO MAKES UP HELIO?

HELIO's network is made up of over a 100 energy analysts from 42 different countries, 26 of which are non-OECD countries. The majority of HELIO's experts are come from academic and research institutions as well as national and international NGOs.

Regional Distribution of HELIO Experts





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HELIO's Mission

Founded in 1997, HELIO International is a network of recognised independent energy analysts who identify, assess, measure and publicise the contribution of energy systems and policies to ecocodevelopment (sustainable and equitable development). These analysts also examine the impact of changing climatic conditions on energy systems and prepare recommendations to help climate-proof energy policies. HELIO's analysts:

Design and develop analytical tools that are shared with other analysts, decision-makers and NGOs worldwide.

Provide independent input to the design and implementation of ecocodevelopment projects.

Organise training workshops on energy policy design, assessment and monitoring.

Promote the creation and integration of citizen users' councils in the energy decision-making process.

Support the work of other international energy and development networks by providing strategic expertise and disseminating information via HELIO's and other networks.

Maintain a website that includes reports on national and regional energy developments, information on HELIO projects and relevant energy developments occurring elsewhere.

www.helio-international.org

MONITORING PROGRESS ON ENERGY AND ECODEVELOPMENT

...HELIO PARTICIPATES AT...

INFORSE Workshop 4-8 Oct, Machynlleth

HELIO attended INFORSE's Low Carbon Societies workshop at the Center for Alternative Technologies in Wales. The workshop looked at how to transition from fossil fuels and what the cost of this technology transition would be. More information about this meeting can be found at:

www.inforse.org/

7th Annual African Development Forum, 10-15 Oct, Addis Ababa

HELIO presented its work on climate-proofing energy systems at the World Bank's side event "Energy and Climate Change for Development" as part of the Forum's session *Ensuring Energy Security in the Face of a Changing Climate*. To read the presentation go to:

www.helio-international.org/Meetings.cfm

UNEP International Environmental Governance and Green Economy, 25-28 Oct, Geneva

HELIO attended this meeting as an NGO representative and contributed

to the discussion on what defines a Green Economy.

www.unep.org/civil-society/Default.aspx



IUCN and IEA, 25 Nov, Paris HELIO was in-

ited to co-present with IUCN on ecosystems and energy security at the International Energy Agency. The presentation examined the value of ecosystem goods and services and the implications of these good and services for the energy sector. For a copy of this presentation please email us at: helio@helio-international.org

Other Meetings

- **Climate Action Network—Europe, 2-3 Nov, Brussels:** 2010 Annual Meeting.
- **DG Research Seminar 17 Nov, Brussels:** this seminar looked at new ways of carrying out research.
- **4D, 23 Nov, Paris:** hosted by the French NGO network 4D, this meeting began the planning process for French input to RIO +20.
- **TIPEE Methodological Workshop, 17- 19 Nov, Paris:** A small group of experts defined a set of indicators for HELIO's TIPEE project.

December Meetings

- **COP 16 (UNFCCC) 29 Nov - 12 Dec, Mexico**