

Jorgen Boldt References

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Theme: Energy policies and strategies

Overview

Assistance to formulating new policies and legal instruments at national level or regional level (group of countries):

- o Recommendations for policy and regulatory actions
- o Strategic plans
- o Sector reform and regulation
- o Identification of barriers hindering the achievement of wanted goals and tailoring measures to overcome the barriers (e.g. promotion of independent power producers, growth in renewable energy and rural electrification)
- o Formulation of legal framework and instruments
- o Institutional development.

Countries of experience: Cambodia, Denmark, Ghana, Kenya, Laos, South Africa, Tanzania, Uganda, Vietnam.

Regions of experience: Asia, South-East Asia (ASEAN), East Africa, Nile Equatorial Basin.

Employments

ASEAN Centre for Energy, then ASEAN-EC Energy Management Training and Research Centre	
Location	Indonesia, Jakarta
Period	February 1996 – January 1999
Employer	European Commission, Directorate General for External Relations
Position	EC Senior Adviser (30 manmonths, resident)
Description	The ASEAN-EC Energy Management Training and Research Centre (AEEMTRC), which was transformed into the ASEAN Centre for Energy (ACE) by January 1999, was supporting the energy co-operation between the European Union and the Association of South-East Asian Nations (ASEAN) and among the ASEAN Member Countries by collecting, collating and disseminating energy information; by conducting seminars and workshops; by facilitating regional projects, in particular a regional gas transmission system and a regional power grid. AEEMTRC was primarily financed by the European Commission and had 12-15 academic staff members.

Danish Energy Agency (DEA), Ministry of Environment and Energy	
Location	Denmark
Period	November 1991 – January 1996
Employer	Danish Energy Agency (now Danish Energy Authority)
Position	Head of Bio-energy Section, Renewable Energy Division
Description	The section, manned by five academics, was the executive and administrative body of the Action Programme for Bioenergy in Denmark, including a development programme of EUR 6-8 million per year and a demonstration programme of EUR 7 million per year. The section was active in several international projects and programmes. DEA was the energy wing of the ministry, preparing and executing political decisions.

Danish Energy Agency (DEA), Ministry of Energy	
Location	Denmark
Period	December 1986 – January 1990
Employer	Danish Energy Agency (now Danish Energy Authority)
Position	Head of the Unit for Combined Heat and Power Production
Description	Responsible for the planning, as well as the economical and technical evaluations within a national programme to install approx. 100 small-scale power plants based on natural gas and biomass. Also responsible for the legal approval of each new plant.

Selected projects

Finalisation of the SWITCH Policy Support Component programme in the Philippines	
Location	Manilla, Philippines
Period	April – May 2011
Client	AGEG Consultants eG, commissioned by the EU Delegation, Manilla
Position	Renewable Energy Specialist (0.6 manmonth) in a multi-disciplinary team of two international experts
Description	The objective of the Finalisation Mission was to draft a project to support the development and implementation of SCP (Sustainable Consumption and Production) policies in the Philippines, in line with existing government priorities. Support to the implementation of the main renewable energy policies and laws was one of two components.

Mitigating risk and strengthening capacities for rural electricity investment in Africa (MIRREIA)	
Location	Kenya, Tanzania, and Uganda
Period	August 2006 – June 2007
Client	Energy for Sustainable Development (ESD, United Kingdom); commissioned by Intelligent Energy – Europe, European Commission
Position	Senior energy policy expert (4 manmonths)
Description	Recommendations for policy and regulatory actions to promote renewable energy investments. Guidebook for investors

Formulation of legal framework on renewable energy for Cambodia, Laos and Vietnam	
Location	Cambodia, Laos and Vietnam
Period	June 2006 – December 2006
Client	Grontmij (Sweden); commissioned by the ASEAN Centre for Energy (ACE), The EU-ASEAN Energy facility
Position	Senior Energy Policy Expert (2.5 manmonths)
Description	Formulation of draft renewable energy laws for Cambodia and Vietnam, road map for a renewable energy policy in Laos. The major outputs were drafts of act / bill / decree proposals on legal and policy framework for each country, developed in participatory processes with stakeholders, and building on experience from the ASEAN and European Union as well as the existing legal and policy framework in the beneficiary countries.

Cross border energy trade and the poor	
Location	Asia
Period	October 2005 – May 2006
Client	Econ Analysis (Norway); commissioned by UNDP
Position	Electricity Sector Expert (1 manmonth)
Description	Policy recommendations to governments in Asia and to UNDP on how to minimise the negative impacts of energy trade on the poor and increase the benefits of such trade for the poor.

Strategic/sectoral, social and environmental assessment of power development options in the Nile Equatorial Basin	
Location	Burundi, D.R. Congo, Kenya, Rwanda, Tanzania, Uganda
Period	February 2004 – September 2005
Client	World Bank, Nile Basin Coordination Unit
Position	Independent Reviewer (4 manmonths)
Description	The study, undertaken by the Nile Basin Initiative and the World Bank, examined the economic and engineering feasibility of a large number of power options, as well as their environmental and social impacts, to allow for informed and transparent decision-making in the selection of future power investments (project website: www.ssea.snclavalin.com). The tasks of the two Independent Reviewers were to undertake periodic, comprehensive and independent reviews of the project and to provide advice, expertise and strategic guidance to the Project Steering Committee throughout the development of the study.

Poverty and social impact analysis on electricity tariffs in Ghana	
Location	Ghana
Period	November 2003 – March 2004
Client	World Bank
Position	Project Manager, employed by Ramboll Denmark (3 manmonths)
Description	Poverty and social impact analysis (PSIA) on electricity tariffs: (i) the efficiency of the current tariffs in protecting the poor by looking at the percentage of leakage and the percentage of poor with access; (ii) the likely implications of cross-subsidies on the financial viability of the utility in terms of whether a large percentage of customers are likely to drop into the lifeline category, either through reduced consumption or through corruption; (iii) the impact and behavioural responses to the large recent adjustments in tariffs and corollary impacts on access by the poor; and (iv) the winners and losers from potential changes in the sector structure.

Strategy for the World Bank's assistance to the energy sector in Ghana	
Location	Ghana
Period	March 2003 – February 2004
Client	World Bank
Position	Project Manager, employed by Ramboll Denmark (3 manmonths)
Description	The objectives were (i) to provide a comprehensive review of the whole range of energy sector issues in order to inform the World Bank of its strategy with respect to engagement in the Ghanaian energy sector in assisting the Government in achieving its poverty reduction agenda and for energy interventions in various sectors, and (ii) to lay out the key issues and implications for the Bank's operational dialogue and work programme. Focus areas: 1) Power sector reform; 2) Petroleum sector reform; 3) Cross-border electricity and gas interconnections; 4) Energy and economic growth in rural Ghana.

Renewable energy independent power producers, South Africa	
Location	South Africa
Period	February 2000 – January 2001
Client	Danida
Position	Project Manager, employed by Ramboll Denmark (3 manmonths)
Description	Identification of barriers for the successful development of renewable energy IPPs in a market-based electricity system and means to overcome those barriers.

Renewable energy strategies for the Danish government	
Location	Denmark
Period	1991 – 2000
Client	Danish Energy Authority, Ministry of Energy
Position	Project Manager (three strategies as employee of the Danish Energy Authority, two as employee of Ramboll Denmark)
Description	Strategies developed to guide in its financial support programmes for RD&D projects in renewable energy. One strategy on renewable energy in general; four strategies on biomass energy.

Renewable energy in a market economy	
Location	Denmark
Period	June 1999 – January 2000
Client	Danish Energy Authority, Ministry of Environment and Energy
Position	Project Manager, employed by Ramboll Denmark (5 manmonths)
Description	Electricity generating renewable energy demonstration projects were financially evaluated and their competitiveness in a market-based electricity system with green certificates was assessed.