

## Terms of Reference

### Overview of Danish research projects on themes of relevance for climate change in developing countries

#### 1. Background

In recent years we have seen an increased focus on climate change issues, mitigation of climate change and adaptation to climate change. In April 2007 the 4<sup>th</sup> assessment report from the Working Group 2 of the Intergovernmental Panel on Climate Change (IPCC) clearly demonstrated that the most vulnerable regions with regard to climate change are: Africa South of Sahara, Large coastal cities, Mega deltas in Asia, Small island states, Polar areas and areas that are permafrost covered.

Climate change is also an issue closely related to poverty and IPCC states that except for the above mentioned regions, which are among the poorest and most vulnerable globally, climate change will be hurting the poor in the poor regions the most.

Adaptation to climate change is closely linked to better water management, water supply and sanitation through climate change and the effects of e.g. changes in the hydrological cycle and water balance, sea level rise and increased water temperatures and changed water quality. But the same effects of climate change and the increased instability and risk of drought and floods induced by extreme weather also have severe consequences for the environment, for agriculture and for health issues. Thus climate change is closely related to issues of sustainable development and is a serious threat in terms of meeting the MDG's in the developing countries. Danish partner countries are among the poorest countries in the world and strategies to reduce poverty and promote sustainable development are vital parts of support to these countries and will be endangered by climate change if serious effort is not done to adapt to climate change in these countries.

Profound knowledge of the consequences of climate change in the developing countries is vital for assistance to developing countries in overcoming the negative effects of climate change. This knowledge is also important in order to secure the most needed and efficient adaptation to climate change, that the right steps are taken in the right sectors.

In order to facilitate the access of policy-makers to Danish based research and facilitate networking and joint research proposals within climate change, it has been decided to develop a mapping of Danish research competences with regard to climate change and its implications for developing countries. The form must be a mapping of past and ongoing research on areas related to climate change with relevance for developing countries. The focus will be on recent research since 2003, but earlier work that is highly relevant and important may be included. The mapping will be presented at Danida Development Days 9-11<sup>th</sup> June 2008. After the presentation the mapping must serve as a presentation of Danish competences to research partners in developing and other countries, to facilitate the development of research proposals and inform developing practices and policies within these research fields.

#### 2. Tasks

The consultant will be responsible for:

- Providing an overview of past (mainly since 2003) and current research projects and publications by Danish research institutions that address climate change, climate impacts and adaptation to climate change in developing countries - with a specific focus on Danish partner countries. The research must be based on Danish research

institutions and must be developed from individual researchers, research groups and institutes and universities.

- Present an overview of the Danish resource base with experiences in the above mentioned areas and the institutions and universities that they are linked to. The present mapping must be able to support the future development of joint research projects and to identify relevant partners in neighbor.
- Present the mapping and overview in the form of a report that is suitable (see methodology) for dissemination to the relevant sector programmes and the future partners in universities and research institutions.

### **3. Methodology and staffing**

The mapping will be a desk study carried out in close collaboration with the secretariat of the three research networks. The references to be consulted for the overview of the Danish resource base will include but not necessarily be limited to research data bases provided by Danish universities, DDRN, DWF and SUNNET member data base and documentation (overviews, reports, abstracts) provided by Danida's research unit and research networks.

The format of the mapping should include an edited introduction and summary of results on the single mentioned areas and on cross-thematic areas, followed by relevant annexes.

The mapping can be compiled by a researcher within one of the mentioned research fields or by a person holding at least a MSc in one of the research fields and with documented relevant working experience. The applicant will present a CV with documentation of the experiences for this assignment.

### **4. Outputs and Reporting**

The consultant will submit a:

- first draft of the mapping no later than May 15<sup>th</sup> 2008
- final draft of the mapping no later than May 30<sup>th</sup> 2008
- including comments from researchers and the networks the mapping will be delivered and ready to be sent to Danida on June the 2<sup>nd</sup> 2008

The consultant will not present the report at Danida Development Days, June the 9<sup>th</sup> – 11<sup>th</sup>, but will be available at the relevant session in order to answer questions etc.

### **5. Duration**

The contract will last 4 weeks in the period 21<sup>st</sup> April – 2<sup>nd</sup> of June 2008

### **6. Qualifications**

The consultant should have an advanced degree within one of the mentioned research fields and must have prior experience in working with and carrying out research or have other relevant experience on areas related to climate change and development. Knowledge of the Danish resource base within the above mentioned sub-areas is important.

Expressions of interest with curriculum vitae and proposed budget should be submitted by April 11<sup>th</sup> 2008 to:

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