

CLIMATE CHANGE MITIGATION



CONTACT

Niels Bahnsen
Director, Energy
D: 4810 4215
M: 4017 2884
E: nba@niras.dk

Technical Assistance on reducing GHG emissions

NIRAS takes active part in climate change mitigation. We have provided advisory services to our clients on *national energy planning, energy efficiency and renewable energy* for more than 25 years.

Niels Bahnsen, Director of Energy: Malaysia's national oil supply will soon become insufficient. Renewable energy sources are regarded as a good alternative to ensure onwards energy supply security as well as climate change mitigation. NIRAS has provided capacity building within relevant Malaysian institutions to assist with promoting the use of renewable energy and energy efficiency measures. Moreover, the team supported the implementation of a CDM Action plan.



Our in-house experts working with renewable energy sources hold particularly strong knowledge within *wind power; biogas and bio fuel*.

Preben R. Knudsen, senior consultant: NIRAS has entered a 10 years Technology Transfer Agreement with a Chinese turnkey contractor (TEG) on construction of biogas plants in China. By the end of 2010 about 150 contracts have been entered by TEG with Chinese clients using NIRAS technology.



Carbon trading can provide cost efficient climate change mitigation in developed countries whereas developing countries can benefit from transfer of cleaner technology. NIRAS' team of in-house experts offers advisory services within the UNFCCC approved mechanisms *CDM and JI*. Services include *capacity building of stakeholders and national authorities, project development, preparation of PINs and PDDs, due diligence, and feasibility studies*.

Morten Pedersen, CDM market developer: NIRAS has identified potential CDM projects in several developing countries. When developing the projects we ensure a multi-disciplinary approach by combining our in-depth knowledge on the UNFCCC procedures with strong technical and financial expertise. We focus on developing technically sound, financially feasible and poverty reducing projects.

Another mechanism which may involve Carbon trading is reduced emissions from deforestation and degradation (*REDD*). Linked to NIRAS' wide international experience in the forestry sector we provide assistance on preparation of *REDD Readiness Preparation Proposals (RPPs)*.

Henrik Borgtoft Pedersen, Team Leader - REDD RPP, Bolivia: In order to meet the 2°C target, the reduction of emissions from deforestation and degradation of tropical forests is crucial. If REDD is carefully planned through genuinely participatory processes, the benefits are much more than avoided emissions; REDD may also help to protect the livelihood of millions of people, the biodiversity, and all the other environmental services that forests provide. In NIRAS we work with all these aspects.



Overall climate change mitigation strategies must take account of a wide range of sectors to ensure an efficient and effective approach. Moreover it is important to integrate a climate change strategy into existing plans and strategies. NIRAS holds experience with preparation of *climate change mitigation plans* as well as calculating *Carbon Footprint* on regional and entity level to ensure that planning is focussed on the sectors where mitigation efforts have the highest potential. This approach will also be beneficial for developing National Appropriate Mitigation Actions (NAMAs).

NIRAS also provides training in climate change. We have developed and conducted several courses and seminars in relation to climate change mitigation in general as well as green energy and carbon trading. Repeating 3-weeks courses have been conducted for Danida Fellowship Centre (DFC) for stakeholders in developing countries.