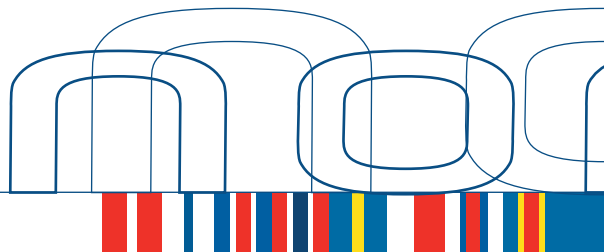




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Nordic Partnership Initiative: Waste Sector NAMA Readiness Programme in Peru



The Nordic Partnership Initiative on Up-Scaled Mitigation Action (NPI) has been established in December 2011 to support climate change mitigation efforts in developing countries. The NPI is funded by Denmark, Finland, Iceland, Norway and Sweden and implemented in co-operation with Peru and Vietnam.

The aim of the Initiative is to demonstrate how innovative international climate finance solutions can achieve sector wide greenhouse gas emission reductions in developing countries. Using a bottom-up methodology that draws heavily on the input of local stakeholders, NAMA Readiness Programmes have been established in Peru and Vietnam. During the Programmes concrete financeable proposals of

Nationally Appropriate Mitigation Actions (NAMAs) are developed as proof-of-concept activities that will drive the development and implementation of further NAMAs¹.

Key to the success of these NAMA Readiness Programmes is the fact that the NAMAs are embedded in the countries' development plans and strategies by the local regulatory authorities. To ensure sustainability and transformational change, the NAMA proposals will include different types of actions that will take place in the short, medium and long term perspective: pilot projects, targeted policy instruments and policy reform, supported by financial schemes. Financial sustainability of the actions, including plans for phase-

out of international support in the long term, is taken into account in the development process.

The NPI will provide lessons learned from early activities to the international climate negotiations and serve as a model to encourage other Parties to take similar actions. The principles of matching NAMAs with developed country support are in a nascent stage and the Nordic sponsors of the Initiative are confident that the NPI will enhance the tool box of options available to developing countries to address climate change.

Waste sector NAMA Readiness Programme in Peru

Peru's economy and population are growing rapidly and consequentially the issue of waste management is of increasing importance to its development path. The implementation of an effective waste management strategy will have significant environmental benefits (including the mitigation of greenhouse gases) and secondary benefits for public health, productivity and quality of life.

The NAMA Readiness Programme is focused on municipal solid waste, i.e. household waste and waste from commercial and tourist activities. Other waste types such as industrial and agricultural waste are outside of the scope of the NAMA.

¹NAMAs are large-scale host country driven emission reduction actions that are supported and enabled by international and domestic financing, technology, and capacity building



The budget for the NAMA Readiness Programme is €2.3 million and is financed by NEFCO and the Nordic governments. The implementing partner is the Ministry of Environment of Peru (MINAM). The NAMA Readiness Programme in Peru started in August 2013 and will continue until June 2015.

Targets of the NAMA Readiness Programme

The overall objective of the Programme is to strengthen Peru's ability to prepare, propose and implement a full-scale NAMA in the municipal solid waste sector. The Programme will identify and propose suitable NAMA options to mitigate greenhouse gas emissions in the waste sector and enable Peru to benefit from international climate finance. As a basis for the development of the NAMA gaps in data availability and data quality in the solid waste sector in Peru will be addressed.

The readiness activities consist of the following:

- A solid waste inventory including data gathering of waste and waste streams and calculation of greenhouse gas emissions
- Assessment of mitigation options in the waste sector
- Identification of barriers to implement the mitigation options and how to overcome those barriers
- Development of a NAMA proposal integrated in the national solid waste strategy
- Setting up a system for monitoring, reporting and verification (MRV) according to international standards
- Identifying relevant institutional arrangements
- Identification of financing options and setting reference levels for possible emissions trading or results based finance
- Capacity building and training.

By the end of the NAMA Readiness Programme, it is expected that the monitoring, reporting and verification system for the proposed NAMA is in place and the programme is ready to receive international funding.

Challenges and opportunities of the NAMA Readiness Programme

Peru's waste sector is economically unsustainable and general awareness regarding waste issues in Peru is low. One big challenge is to increase the public awareness of the benefits of waste sector improvements and make the regulatory regime attractive to individuals and organizations to encourage participation in these improvements.

In addition, there is a lot of unofficial labour in the country working in the waste sector. The livelihoods of over 200,000 families in Peru depend on waste picking and around 2/3 of the recycling in the country is done by the informal sector. To improve the waste sector in line with improving the waste pickers' social position in the country is one of the main challenges in the NAMA Readiness Programme.

Moreover, there are several opportunities in the waste sector. Peru is currently in the process of updating several dumpsites to more organized sanitary landfills, and the NAMA will help taking mitigation issues into account in the process. One significant mitigation option is capturing landfill gas for energy generation. Improving the sanitary collection and disposal of waste generates health benefits. Also a large potential to both financial benefits and sustainable growth exists, especially when it comes to organic waste. Over 50 % of Peru's waste is organic, but it is currently not separated and utilized.

Improving Peru's waste sector includes many opportunities for sustainable environmental, social and economical growth. The NAMA can help in mainstreaming mitigation aspects in waste legislation, as well as in the concepts and strategies of municipal solid waste management.



Photo: Jenna Hytti / GreenStream

Partners involved in the Programme

- The Nordic Council of Ministers
- The Nordic working group for global climate negotiations (NOAK)
- Nordic Environment Finance Corporation (NEFCO)
- Ministry of Environment of Peru (MINAM)

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