

NBS Good Practices from Chinese government

May 2019

China Integrated Waste Management of the National Appropriate Mitigation Actions

1. Project Background

According to China's latest greenhouse gas (GHG) emissions inventory (2016), 1.3% of China's total carbon dioxide emissions come from the waste sector, which equals to 158Mt of carbon dioxide emissions. By 2025, China's rapid urbanization is expected to bring the number of urban residents to 1 billion. The annual emission reduction potential of waste is approximately 236.3 Mt of carbon dioxide emissions.

2.Implementation Time

five-year implementation period.

3.Implementation Phase

The project was launched on January 30th,2018. On July 11th, 2018, Suzhou, Xi'an, Tai'an, Lanzhou and Bengbu were identified as the first batch of demonstration municipalities. The project is now in the stage of implementation.

4.Relevant Parties

The project was entrusted by the NAMA Facility (NAMA Foundation), the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) and the China Association of Urban Environmental Sanitation (CAUES) came into being.

5.Beneficiary

Demonstration municipalities identified by the project (Suzhou, Xi'an, Tai'an, Lanzhou and Bengbu).

6.Total Investment

8 million euros supported by NAMA funds.

7.Matching Funds

None

8.Project Level

National.

9.Mitigation and Adaptation to Climate Change

The IWM NAMA project aims to promote the development of low-carbon MSW treatment in China , and to lay the foundation for the comprehensive management

and development of MSW. It is confirmed that the project will be firstly implemented in five demonstration cities (i.e. Suzhou, Xian, Taian, Lanzhou and Bengbu) to carry out integrated low-carbon management system for waste, improve the evaluation indicators of waste integrated management and the low-carbon development database, thus to make contributions to climate change mitigation in China.

10.Social, Economic and Environmental Impact

The implementation of the project will greatly promote the development of carbon emission reduction in the field of municipal solid waste treatment in demonstration cities. Through the establishment of evaluation index system and the improvement of low-carbon development database, it will be helpful to summarize the experience of urban carbon emission reduction at different levels of development in Eastern, Central and Western China, thus providing valuable experience for the national development of carbon emission reduction in the field of municipal solid waste treatment.

11. Case-related photos and graphs