

SUPPORTING THE BUSINESS CASE FOR CLIMATE ADAPTATION

Climate change is increasing the risk of dangerous flooding in the greater Bangkok metropolitan region, threatening the livelihoods of millions of people. Irrigation infrastructure to mitigate this is critical but a business case is needed to fund the works.

UNDP's Governance of Climate Change Finance team (GCCF) is providing planning and feasibility assistance to improve the bankability of these essential flood management projects.

THE CHALLENGE

The greater Bangkok metropolitan area is now one of the most climate vulnerable locations in South East Asia. In 2011 Thailand was inundated with some of its worst floods in half a century. Over 9 million people were affected and US\$45 billion in damage was caused to agricultural, manufacturing and tourism industries.

The need to address the damage and disruption that increased annual flooding is causing to peoples' lives and the economic and social development of the nation has become increasingly urgent.

Thailand's Royal Irrigation Department (RID) had major irrigation initiatives planned to deal with this looming threat.

However to secure finance for these projects the Department required quantified proof of the on-going economic impacts of climate change and the additional economic benefits of the planned projects.



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OUR SOLUTION

With co-funding from the Government of Sweden, GCCF and UNDP Thailand:

- Assisted the Royal Irrigation Department (RID) to better demonstrate the costs and benefits of the major new infrastructure project,
- Developed tools and methods to better quantify climate change as a factor when appraising new investments in irrigation and flood management,
- And provided technical assistance for projects designed to help relieve the high future cost of flooding along the Chao Phraya.

OUTCOMES

This assistance supported new investment in improved water distribution and diversion and flood management projects are better positioned to raise finance. Other mass-infrastructure and adaptation projects stand to follow suit - protecting millions of people and building Thailand's resilience for a more secure future. Furthermore, this progress has provided useful groundwork to justify future climate spending in national budgets.



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Lessons learned

The project inspired new thinking on increasing the sustainability and effectiveness of diversion canals. This has provided critical lessons for infrastructure design in the future.

Want to find out more?

UNDP's Governance of Climate Change Finance to Benefit of the Poor and Vulnerable in Asia Pacific has devised appropriate, pragmatic and integrated climate finance budgeting solutions for countries throughout the Asia Pacific.

Our diverse team of specialists speak your language and understand the big picture along with the practical issues you face.

Get in touch to see how we can help develop climate finance budgeting solutions that bring a whole-of-government approach to benefit the poor, vulnerable and marginalized and better mobilise, manage and target climate finances.

Useful links

www.CFADE.org

<https://www.climatefinance-developmenteffectiveness.org/countries/thailand>