

Vietnam Municipal Solid Waste Management Project

*Federation of Canadian Municipalities (FCM),
Association of Cities of Vietnam (ACVN) and
Me!*

Dream Team

- FCM recruited two Canadian municipalities to support two medium-sized cities in Vietnam (Hoi An in central Vietnam and Bac Giang in the north) as part of the Vietnam Municipal Solid Waste Management Project (VnSWM).
- CSRD and the Regional District of Nanaimo (Larry Gardner) – Technical Experts
- Doug Hickman, Team Leader - consultant from Nova Scotia
- Nguyen Thu Thuy, ACVN Technical Support and Interpreter

Project Overview

- The overall objective is to create a demonstrable model of reduction of methane/GHGs from municipal solid waste in Vietnam by focusing on:
 - Introducing technology to capture methane and rehabilitate existing landfill sites;
 - Introducing initiatives to increase and/or improve the treatment of organic waste, including separation and processing into viable compost materials; and
 - Increased capacity within participating cities for municipal solid waste planning and management.

Work in Hanoi

Work Stuff

- Meetings with ACVN staff
- Project overview and mission review
- Ministry meetings
 - EPR presentation
- Next step meetings

Hanoi Details

- 3,300 km squared
- 7.8 million people
- Capital city of Vietnam

CSRD

- 29,000 km squared
- 51,400 people



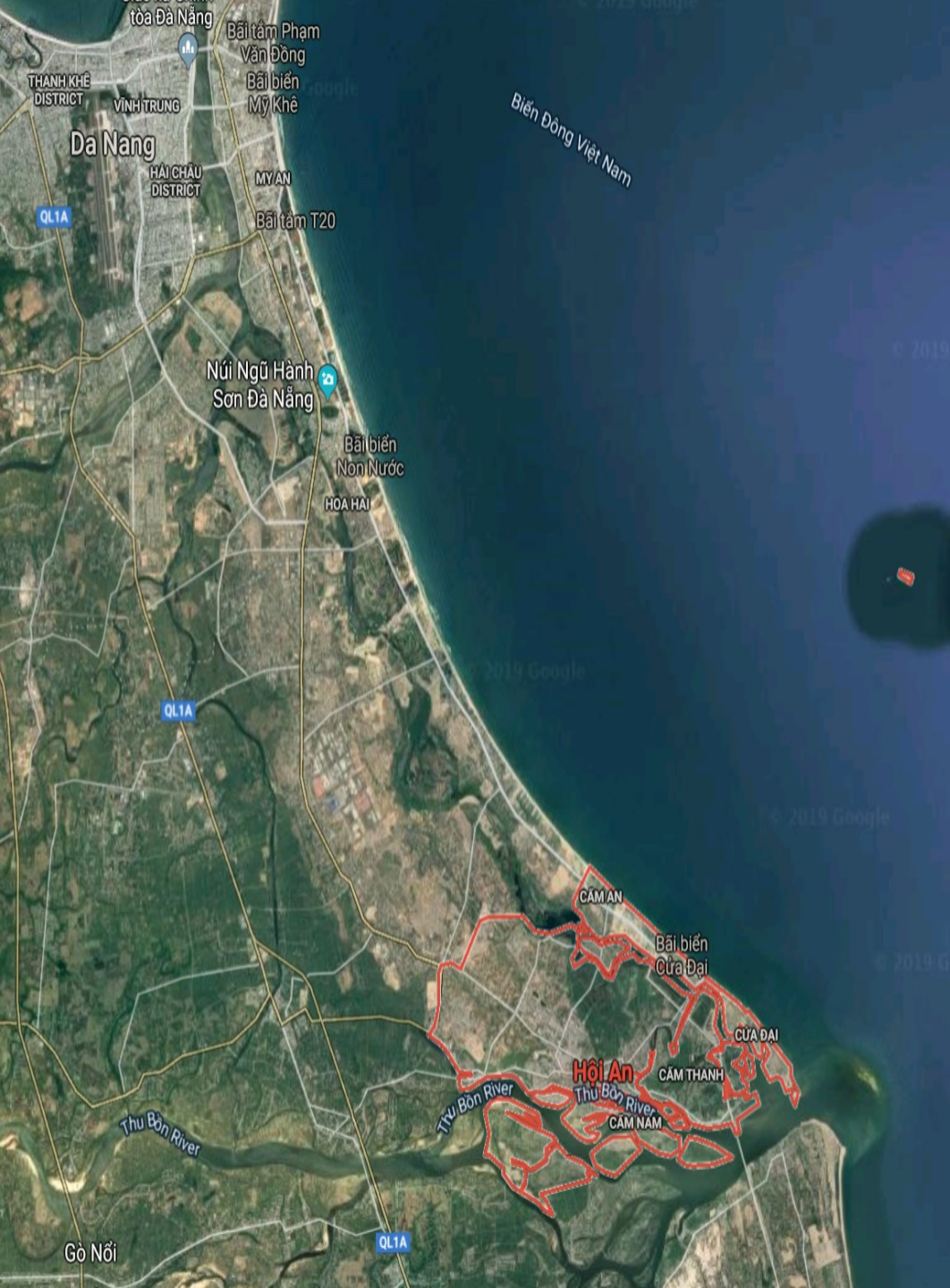




Hoi An

Project Goals

- Meetings to confirm government support for the project
 - Rehabilitate landfill
 - Organics diversion
 - GHG emission reduction
 - SWMP guidance
- Area: 60 km²
 - Population: 152,160 (2018)
 - Known as an “Ancient Town” in the province of Quang Nam
 - 800 km south of Hanoi on the Coast
 - Tourist destination





























Bac Giang

Project Goals

- Meetings to confirm government support for the project
 - Rehabilitate landfill
 - Organics diversion
 - GHG emission reduction
 - SWMP guidance
- Area: 66.77 km²
 - Population: 210,000 (2016)
 - 50 km Northeast of Hanoi
 - Capital of Bac Giang Province



















Down Time

- Bike Trip
 - “City of Ghosts” – An Bang Cemetery
 - Largest cemetery in Vietnam
 - 250 hectares, started in 1995
 - Up to \$100,000 per
- Bo Da Pagoda
 - Built in the 11th Century during the Ly dynasty, golden age of Buddhism in Vietnam
 - Houses national treasure (1,953 carved woodblocks)
 - Buddhist Sutras carved by monks in the 18th century
 - Largest garden tower (97)















Next Steps

- Mission Report
- Guidance documents and Technical Handbook
- Work plan follow through
 - Local technical expert work
- 2019-2021
 - Return visit....maybe!

Salmon Arm Landfill Rehabilitation

