MoNRE   ASEAN ESC   DANANG

MODEL OF ENVIRONMENTALLY FRIENDLY RESIDENTIAL AREA IN DANANG

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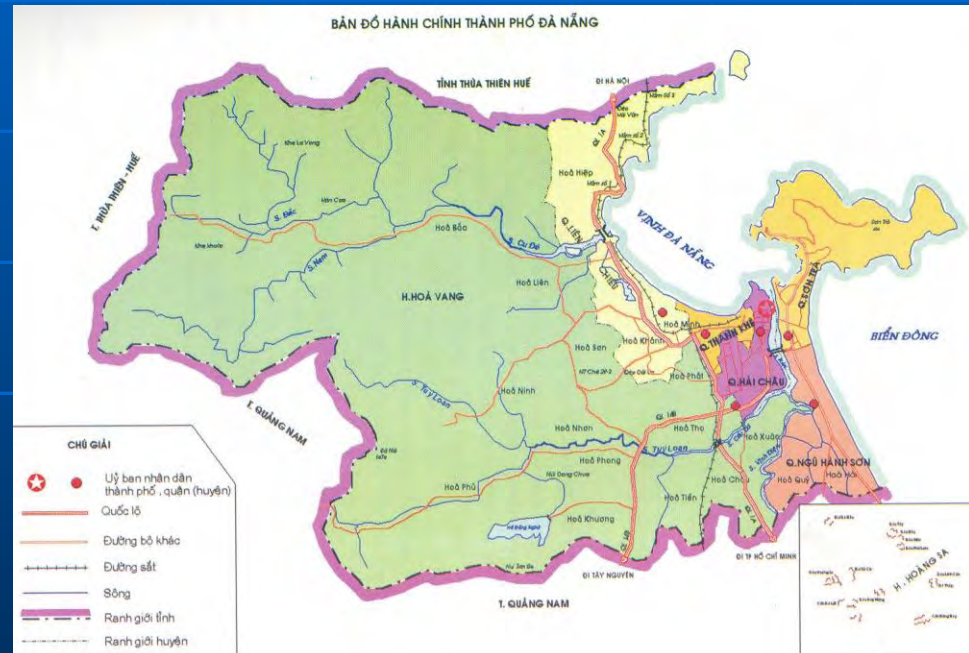# 1. INTRODUCTION OF DANANG

ADVANTAGES OF DANANG GEOGRAPHY:

- **Core city of key economic zone in Central Vietnam**

- **Centre of culture, sports, training, science and technology of Central Vietnam**

- **Important hub of domestic, international transportation and terminal point to the sea of the West-East economic corridor**

1. INTRODUCTION OF DANANG

Hanoi
Haiphong

Đà Nẵng

Cần thơ

Ho Chi Minh city

GEOGRAPHIC CONDITION:

➢ CENTRE OF VIETNAM

➢ ONE OF 5 BIGGEST CITIES OF VIETNAM

BẢN ĐỒ HÀNH CHÍNH THÀNH PHỐ ĐÀ NẴNG

➢ AREA: 1,256.53 km² , 8 DISTRICTS

➢ POPULATION: 800,000 (2008);

1,400,000 (2020)

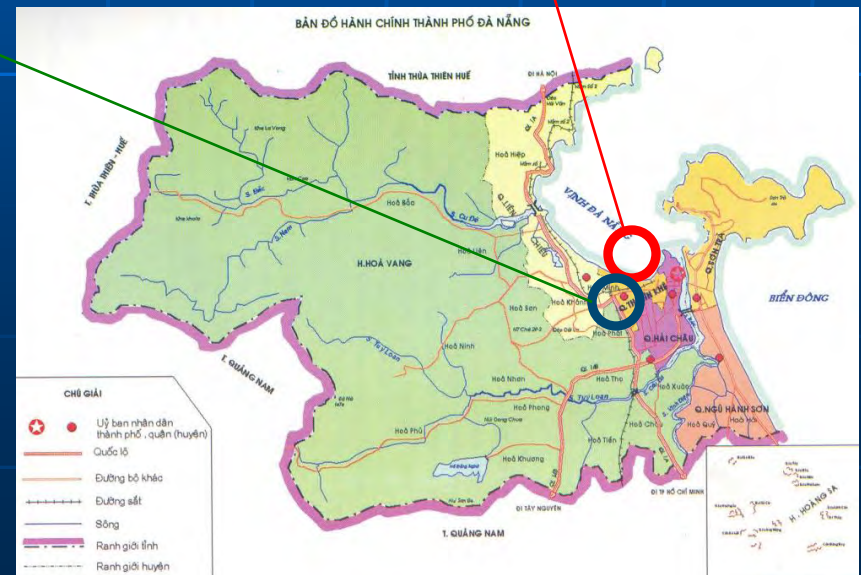# 1. INTRODUCTION OF DANANG

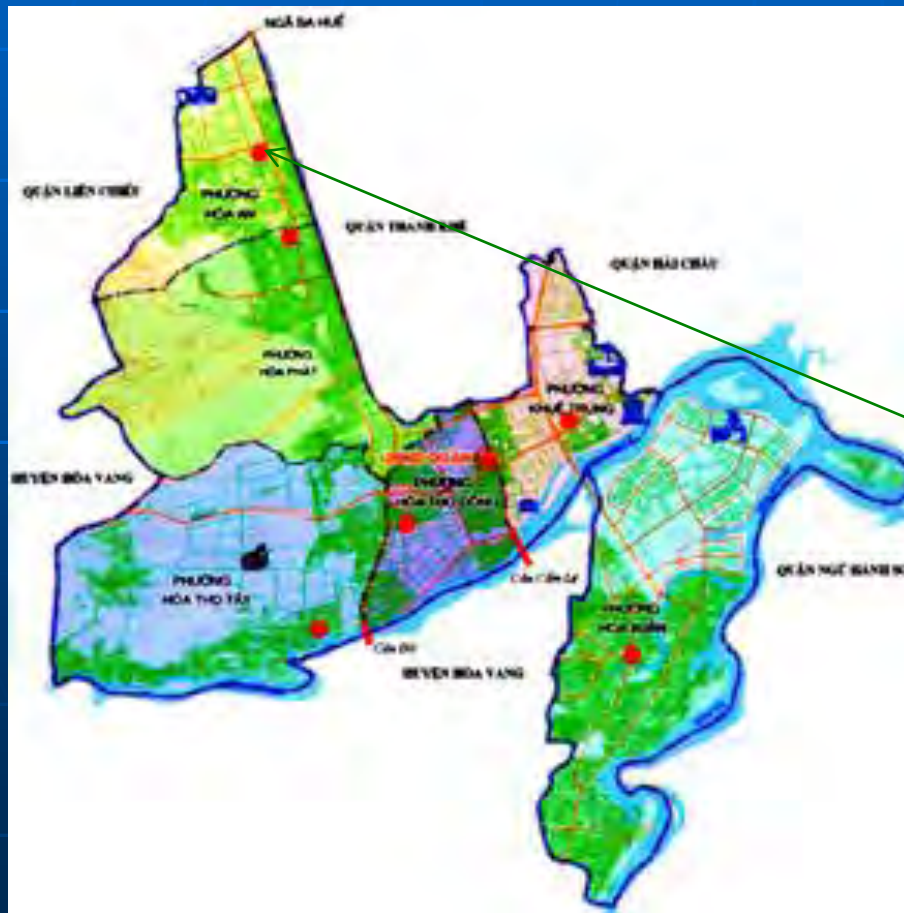
On Han Bridge

Danang bay

Han Bridge

1. INTRODUCTION OF DANANG

Building brand "Environmental City" for Danang; ensuring safe environment, good health for communities and tourists.

2. INTRODUCTION OF 2 PILOT WARDS

2. INTRODUCTION OF 2 PILOT WARDS

2.1. Chinh Gian ward –Thanh Khe district:

CHINH GIAN WARD
PEOPLE'COMMITTEE

. **Area:** 0.72km^2, population: 20,317, with 4,951 households.

- Infrastructure in good condition
- On progress of developing "Environmental ward"
- Environmental protection with engagement of communities
- The need of enhancement of capacity to carry out "Environmental ward"

2.2. Hoa An ward – Cam Le district:

HOA AN WARD PEOPLE'COMMITTEE

- **Area:** 0.32km^2, population: 24.000, with 5.000 households.

- Service and trade activities make up 80%.

- **Communities'** awearnesess of urban life and environemntal protection is not high

- Infrastructure is under construction

- On progress of developing "Environmental ward"

- The need of support for implementation of "Environmental ward"

3. IMPLEMENTED ACTIVITIES:

Workshops were held to build action plan with the engagement of communities

3. IMPLEMENTED ACTIVITIES:

3.1. Identify environmental issues at wards

Discharge of waste and wastewater

Noise, air from business units in residential areas

Domestic animals wandering

Limit of verdure

Inundation

3. IMPLEMENTED ACTIVITIES:

3.2. Proposed solutions for implementing EFRA

TT	Environmental issues/proposed solutions
1	**Waste is not discharged at the right places**
	Communication, mobilization
	Identify proper discharge sites
	Control waste discharge, collect waste by time
	Supply equipment for collecting household waste
	Supply equipment for collecting waste at transfer sites
	Collect recyclable waste to sell
2	**Wastewater is not discharged at the right places**
	Communication and training on water environment protection
	Link discharge pipe from households to pipe of areas
3	**Area of trees**
	At least 2 trees for each household
	Establish groups to take care trees
	Plant trees along trees

3. IMPLEMENTED ACTIVITIES:

3.2. Proposed solutions for implementing EFRA

No	Environmental issues/proposed solutions
4	**Inundation**
	Support to construct damaged drainage
	Support to periodically clean up drainage fore storm and rainy season
5	**Noise and air emission from business units at residential areas**
	Communicate and train on measure for reducing pollution to ambient environment
	Supply technical support to implement measures of pollution reduction for business units
6	**Domestic animals wandering**
	Communicate households not to let domestic animals wandering
	Apply measures and control domestic animals wandering

3. IMPLEMENTED ACTIVITIES:

3.3. Criteria of model

1. Good waste management:

   1.   100% households paying waste collection fee.

   2.   Discharge waste not at right place.

   3.   100% domestic waste collected

   4.   Carry out model of old items exchange centre at residential areas.

2. Good wastewater management :

   5.   100% households not discharging wastewater out to streets.

3. Good ambient environment management :

   6.   100% management staff of residential areas trained on environmental management

   7.   100% residents propagated and trained on environmental protection knowledge and skills.

   8.   100% households carry out environmental sanitation once a month.

3. IMPLEMENTED ACTIVITIES:

3.3. Criteria of model

4. Good house environment management :

9.   100% households classify recyclable waste at home

10.   100% households implement 3S (clean house, clean street and clean kitchen) và 2T (saving and salvage) programs.

5. Good business environment management:

11.   100% business units trained on industrial environment management.

12.   Business units sign environmental protection commit.

6. Green trees development and protection programs:

13.   Build a small park managed by communities

14.   Each household plants and takes care of 2 trees.

4. ACTION PLAN

4.1. Action Framework

Proposed Follow-up Activities	Implementation Date/ Period	Expected Outputs
(1) Activity 1: Implement the Model of Environmentally friendly residential area at 02 pilot wards	**2012**	The model of environmentally friendly residential area at 02 pilot wards
(2) Activity 2: Develop the Center on Trade and Exchange used items at 02 pilot residential areas	**2012**	The model of Center on Trade and Exchange used items at 02 pilot residential area
(3) Activity 3: SLDs, Maintaining the models and expanding to the whole residential areas in wards	**2013-2014**	The models will be expanded in the whole wards
(4) Activity 4: Evaluation and monitoring	**2012-2014**	Ensure the objectives of plans in 03 years at 02 pilot wards
(5) Activity 5: Project management, technical assistance, and office equipment	**2012-2014**	Ensure the objectives of plans in 03 years at 02 pilot wards

4. ACTION PLAN OF MODEL

4.2. Scalability and replication:

- Dissemination for the whole districts with their plans of **"Environmental district"**.

- Danang **People's** committee issued a document regarding agreeing to 2 pilot wards of Chinh Gian and Hoa An; support budget for disseminaton of sucessful model after 2014.