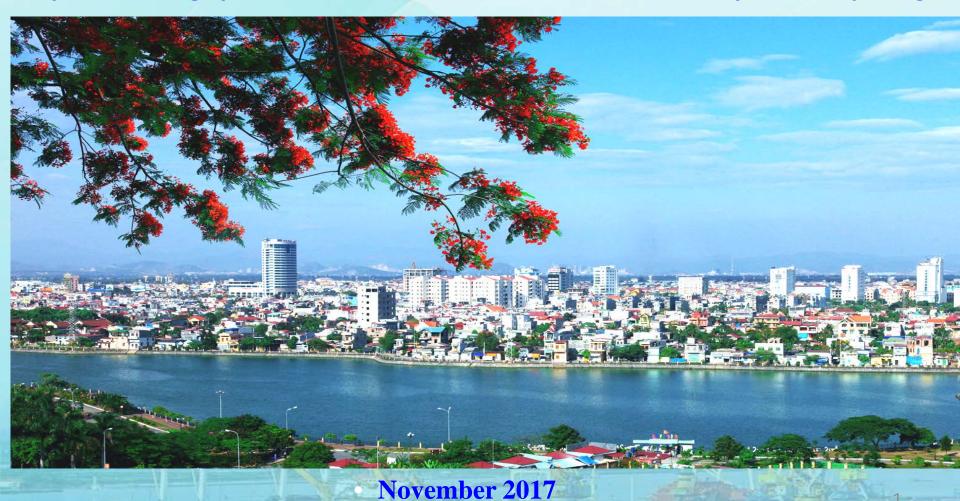


Haiphong City - Vietnam becoming Green Port City

By Prof. Dr Nguyen Van Thanh - Vice Minister, Former Mayor of Haiphong





CONTENT

- 1. Brief outline of Haiphong City
- 2. The highlights of low-carbon policies of Haiphong
- 3. Expectation to the Low Carbon Asia Research Network (LoCARNet)

Prof. Dr Nguyen Van Thanh – Vice Minister, Former Mayor of Haiphong at Dubai City Summit, March 2017 for Building a World Smart City Model





PRESENTER for Prof. Dr. Nguyen Van Thanh

- Mr Do Quang Hung Head of General Affairs Division,
 Haiphong People's Committee; Board Member of Haiphong
 City Sustainable Development Council
 (ubndtphaiphong@gmail.com)
 - Play the role of coordinating, valuating city green growth schemes, prepare action plans to implement socioeconomic development.
 - Coordinating City Action Plan for Implementing Prime Minister Decision No 622/QD-TTg dated 10/5/2017 on National Action Plan for 2030 Agenda for Sustainable development,
 - Supervising Green growth and Low-carbon projects in Haiphong.

HAIPHONG CITY - STRATEGIC LOCATION

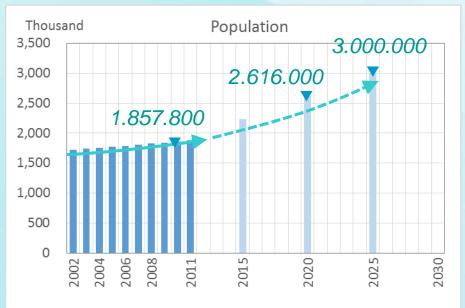


- Located at the important point of "Two economic corridors One economic rim" between Vietnam and China
- East-West Economic Coridor (EWEC): 1,450km, go through 13 provinces of 4 countries: Vietnam, Lao, Thailand and Myanmar
- Area: 1,519 km², 1.97 million people, labor force: 60% of population.
- Estimated Socio-Economic Indicators in 2016:
- GDP: USD 6,2 billion, GRDP Growth rate: 10,66%.
- GDP per capita: USD 3,470.
- GDP structure: Industry Construction: 37.84%, Services: 54.53%, Agriculture Forestry Aquaculture: 7.63%.
- Cargo throughputs: 80 million tons.

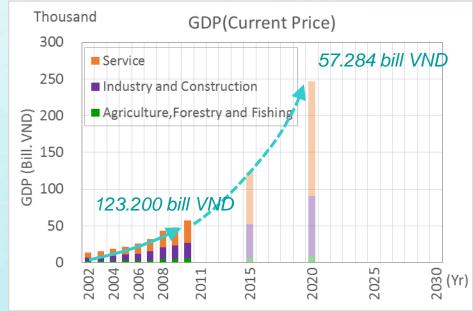
Haiphong City Overview

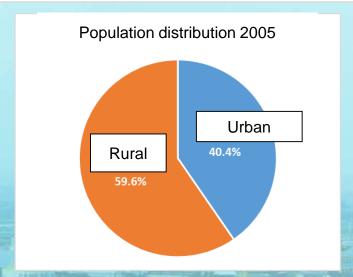


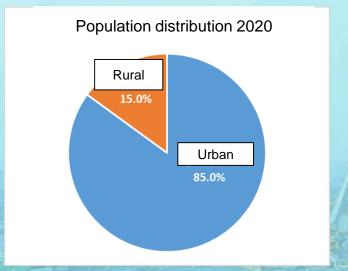
Population



GDP(Current price)









A GREEN PORT CITY

Haiphong is the third largest city in Vietnam, and its port serves as the main gateway to Hanoi and the northern reaches of the country. A rapidly-growing city, Haiphong has one of the lowest poverty rates in Vietnam but faces significant challenges from climate change and sea level rise. Haiphong has undertaken to become Vietnam's first "green port city" by 2020, with a sustainable, environmentally friendly port driving economic development. The transition to a green port city will include the movement of facilities that cause serious pollution out of residential areas and the city center, as well as a strong focus on protection of the environment. The city has focused on three key objectives in planning for a green city. The first target is to develop high value-added, energy and resource efficient economic sectors. The second is to apply technological innovations for more effective use of natural resources and reduction of greenhouse gas emissions in response to climate change. Finally, the city intends to create jobs in green service sectors and develop green infrastructure.

CAT BA ARCHIPELAGO BIOSPHERE RESERVE

Cat Island, belonging to Haiphong City, was recognized by UNESCO on December 2, 2004 as the Cat Ba Archipelago Biosphere Reserve. The Reserve hosts a Learning Laboratory for Sustainable Development that is part of the UNESCO Global Network of Learning Laboratories for Sustainability.



Cat Ba Island - World Biosphere Reserve



Building Green Port City Model for Haiphong in Industry 4.0





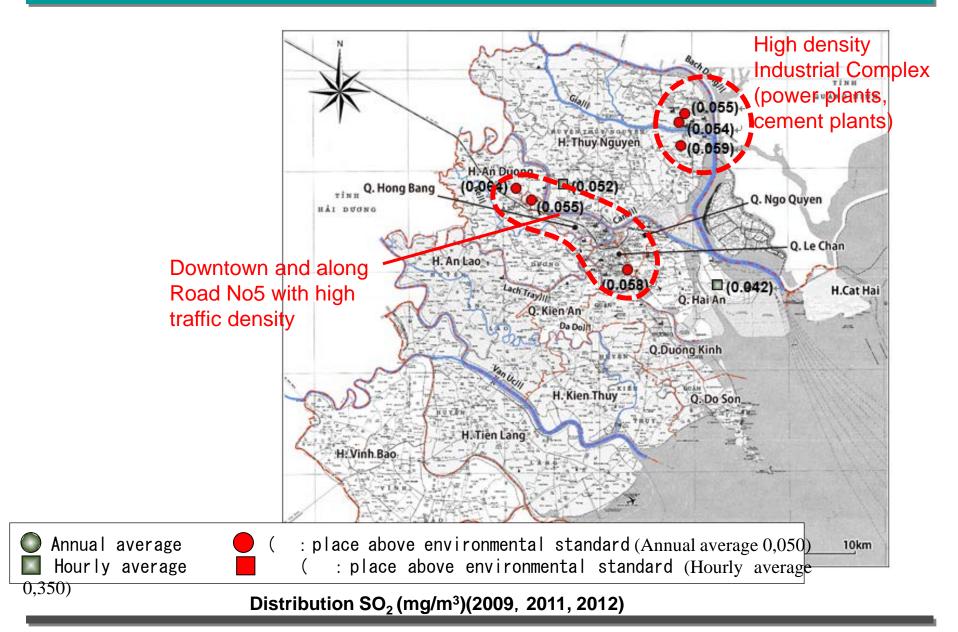
Haiphong – Kitakyushu: "sister cities" for Low Carbon





Hai Phong and Kitakyushu: Sister city relationship since April 2014 Organized: 03 Workshops on **Green Growth Promotion Plan of** Haiphong City (in 2014, 2015); **Seminar on Water Supply** technology and Management (09th Oct 2015); 03 Workshops on pilot projects in the framework of Green Growth **Promotion Plan of Haiphong City** (04th Aug and 17th Nov 2015; 12th Jan 2016); etc.

Air Quality Pollution









HAIPHONG'S LOW TOTAL ENERGY CONSUMPTION PER CAPITA - 1626 kWh/YEAR HOW DID HAIPHONG ACHIEVE THIS?

ISO 37120 7.5
TOTAL ELECTRICAL
ENERGY USE PER CAPITA
(kWh/year)



TAIPEI SHANGHAI MAKATI AMMAN HAIPHONG

PLANNING FOR SUSTAINABILITY

GOAL OF BECOMING VIETNAM'S FIRST "GREEN PORT CITY" BY 2020

LIGHT PASSENGER PUBLIC TRANSPORT SYSTEM
165.9 KM / 100 000 POPULATION

GREEN AREA
34 HA / 100 000 POPULATION

WATER LOSS 13%

REDUCING DEMAND ON RESOURCES

RESIDENTIAL ELECTRICITY CONSUMPTION
602.96 KWH/YR/CAPITA

SOLID WASTE

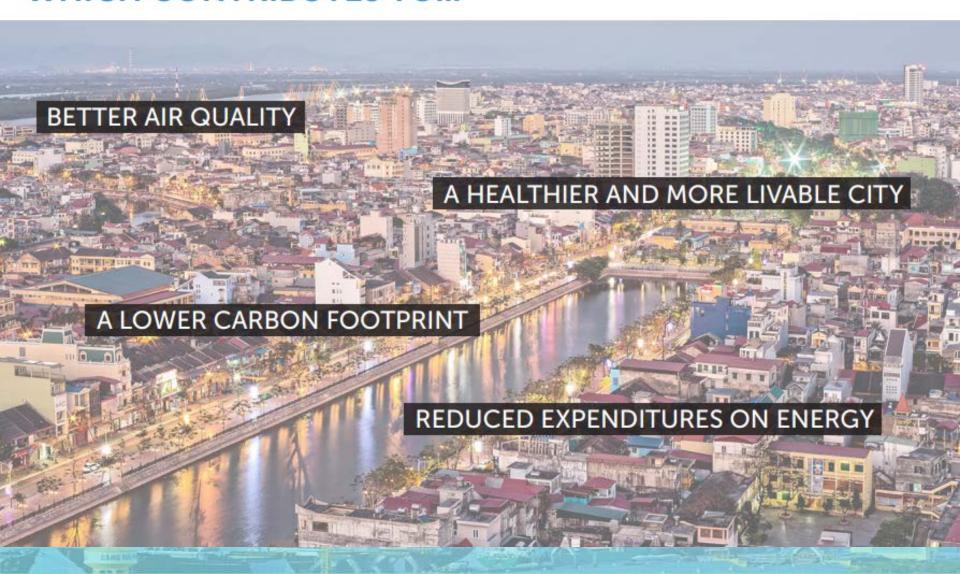
0.3 TONNES/CAPITA

DOMESTIC WATER CONSUMPTION 100.88 LITRES/DAY/CAPITA





HAIPHONG'S LOW TOTAL ENERGY CONSUMPTION PER CAPITA - 1626 kWh/YEAR WHICH CONTRIBUTES TO...

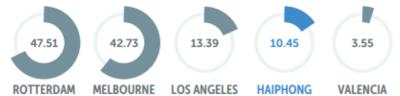




HAIPHONG IN A GLOBAL CONTEXT

ISO 37120 Indicator 8.3

GREENHOUSE GAS EMISSIONS (tonnes/capita)



ISO 37120 Indicator 8.4 NO2 CONCENTRATION (µg/m³)



ISO 37120 Indicator 21.5

TOTAL DOMESTIC WATER CONSUMPTION (per capita/litres/day)



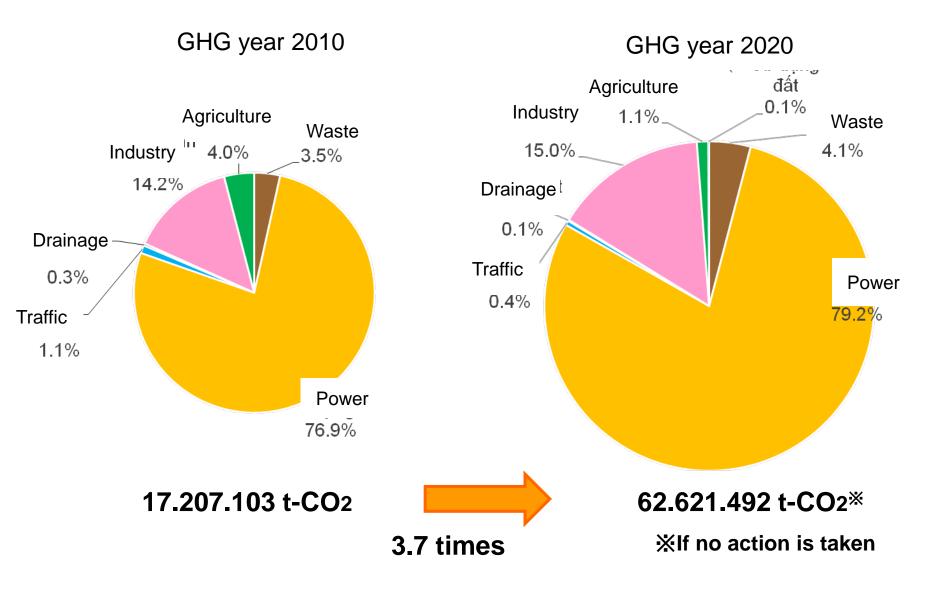
ISO 37120 Indicator 12.1

AVERAGE LIFE EXPECTANCY





GHG in Haiphong



HAIPHONG BECOMING "A SMART CITY – LOW HAI PHONG **CARBON" IN INDUSTRY 4.0** systems Thinking **Green Port** Method by Prof NV City – Smart City Haiphong Thanh City e-Government Tools: ISO 3712X Low Carbon City Master Plan ISO 37120 for Sustainable of Private Sectors/ Social Businesses Smart Citizens **Action Plan Policies** Industry **Roles of City** 4.0 as Leverage . Stakeholders Point



ISO 37120 - 100 INDICATORS ACROSS 17 THEMES





Governance



Telecommunications



Education



Health



Transportation



Energy



Recreation



Urban Planning



Environment



Safety



Wastewater



Finance



Shelter



Water & Sanitation



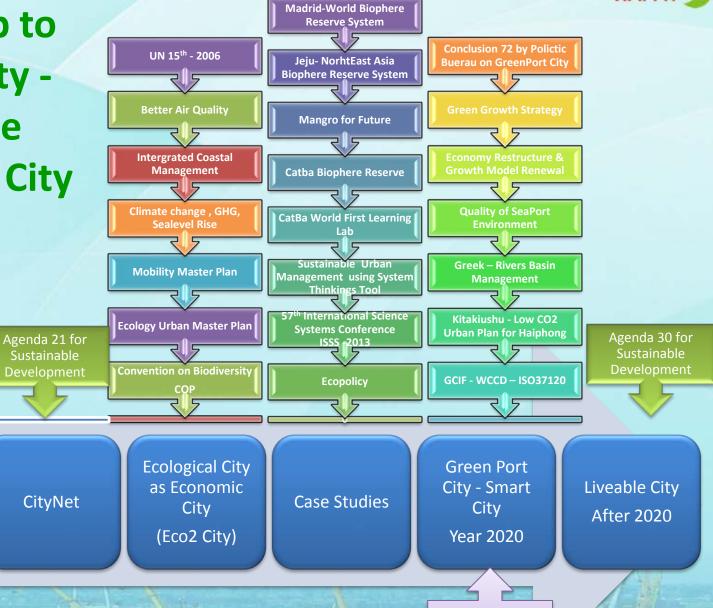
Fire & Emergency Response



Solid Waste



Roadmap to
Smart City Liveable
Haiphong City



Copyright: Dr. Nguyen Van Thanh thanhnv1957@gmail.com

City

Development

Strategy

Year 2000

Industry 4.0

Conclusion

HAIPHONG'S GREEN PORT CITY AMBITIONS, RESPONSING TO CITIZENS' SATIFACTORY INDICATORS FOR BETTER SECURITY - SOCIAL WELFARE - SAFETY.

"As an industrial city characterised by Vietnam's largest seaport, Haiphong City continuously looks for ways to plan for continued sustainable growth that allows us to maximise our economic output and become the world first Green port city before the year 2020.

WCCD ISO 37120 certification has provided valuable resources to inform **Green Growth policies** and to promote solutions in Haiphong City initiated by Prof. Dr. Nguyen Van Thanh since the year 2008."

Vice Minister - Prof. Dr. Nguyen Van Thanh, Former Mayor of Haiphong

THANK YOU!

Contact Author: Prof. Dr. Nguyen Van Thanh Vice Minister of Vietnam Public Security Former Mayor of Haiphong City, Vietnam thanhnv1957@gmail.com

