

An aerial photograph of Phu Quoc Island, Vietnam. The image shows a lush green coastline on the left, a cable car cabin suspended from a tall white tower, and several small boats in the clear turquoise water. The sky is a pale blue. The text 'PHU QUOC TO BECOME A LOW-CARBON CITY' is overlaid in large, gold, 3D-style letters.

PHU QUOC TO BECOME A LOW-CARBON CITY

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Vice Chairman of the Phu Quoc People's Committee

The 3rd APEC Low-Carbon Model Town Symposium
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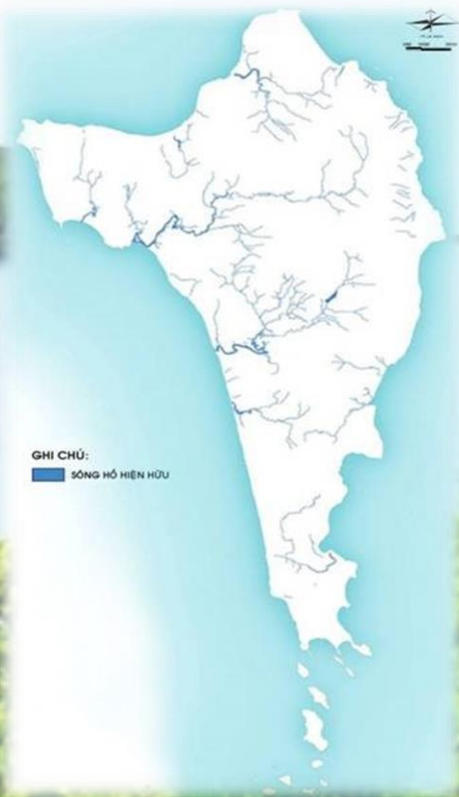
An aerial photograph of Phu Quoc island, Vietnam. The island is lush green with several large white wind turbines. In the foreground, a coastal town with colorful buildings is visible. The surrounding water is a deep blue, with several small boats scattered across the surface. The sky is clear and blue.

- ❑ **Overview of Phu Quoc**
- ❑ **State of Phu Quoc's environmental quality**
- ❑ **Environmental management**
- ❑ **Aims of Phu Quoc and some ideas to approach and develop a Low-Carbon City**

- The forest area accounts for 67% of the island area



- A rich source of surface water and a dense network of rivers and brooks
- Fresh air





Phu Quoc Forest



Sao Beach



Cau Temple



Da Ban Stream



Mong Tay Island (Fingernail Island)

Population (2018)

146,000 people

Visitors (2018)

2 million visitors



**COMMERCE - SERVICE
- TOURISM**



**AGRICULTUR
E**



FISHERY





Black pepper



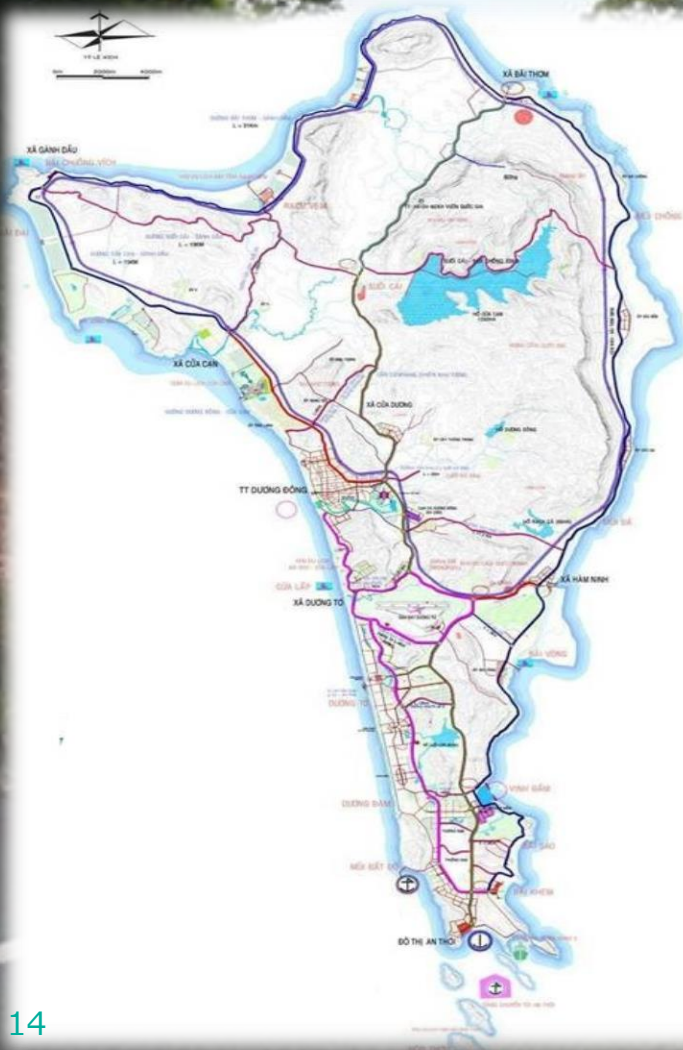
Phu Quoc Fish
Sauce

An aerial photograph of a resort complex built on a hillside. The resort features several modern, multi-story buildings with light-colored facades and dark roofs. A large, winding swimming pool with a light blue interior is a prominent feature in the foreground. The surrounding area is lush with greenery, including palm trees and other tropical plants. In the background, a forested hillside rises, with more buildings visible on its slopes. The sky is clear and blue.

Phu Quoc is a second class city under Kien Giang province.

- **Main functions:**

- ✓ **Eco-tourism center, high-end resorts and amusement;**
- ✓ **Traffic center;**
- ✓ **Scientific and technological research center;**
- ✓ **Marine and forest biodiversity conservation center.**



The urban public transport system is 60.72 kilometers in length, which is more and more improved to connect the whole island.

- ◆ Using electric cars in tourism;
- ◆ Organizing public passenger transport by bus to serve for traveling of citizens and visitors;
- ◆ Developing clumps of trees in the traffic system.



An Thoi International





**Phu Quoc is connecting with
the national power grid via
the 110kV undersea cable
system**



**and building the second
overhead electricity cable
(220kV)**



Cable Car





Golf Course



Vinpearl Land

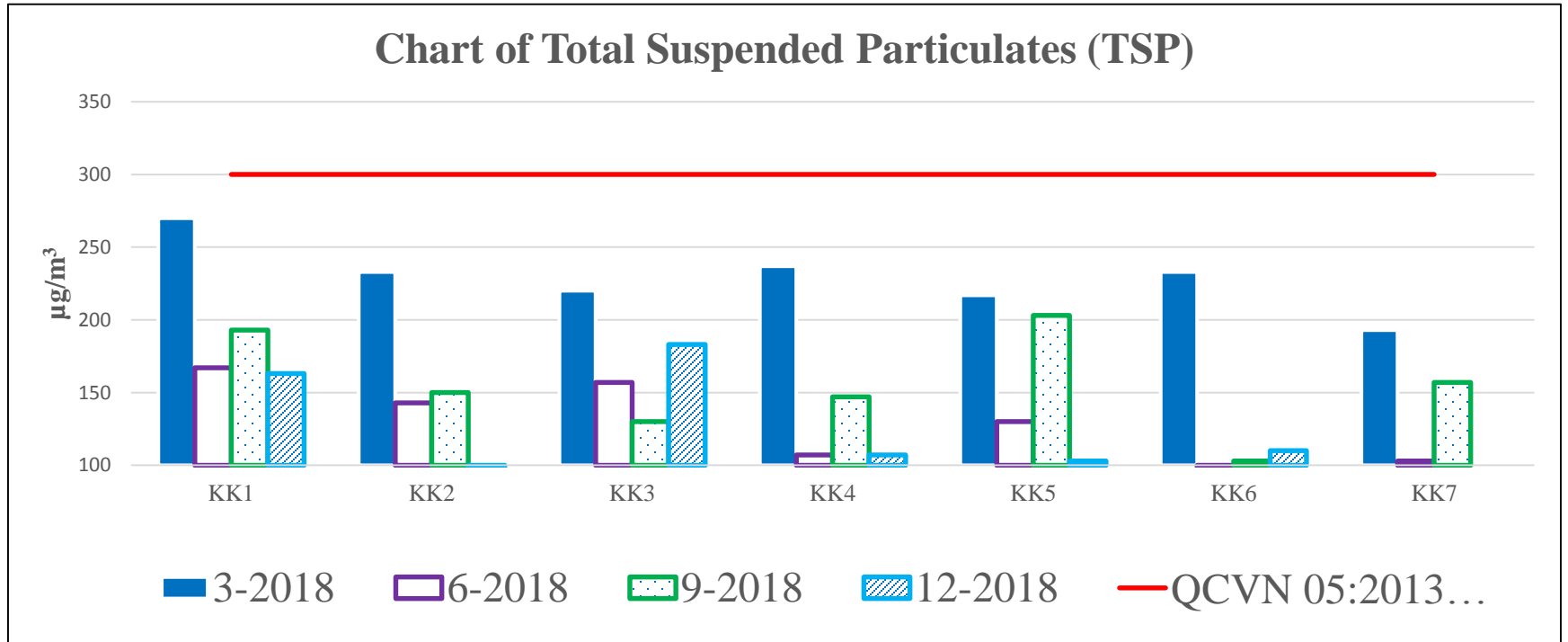




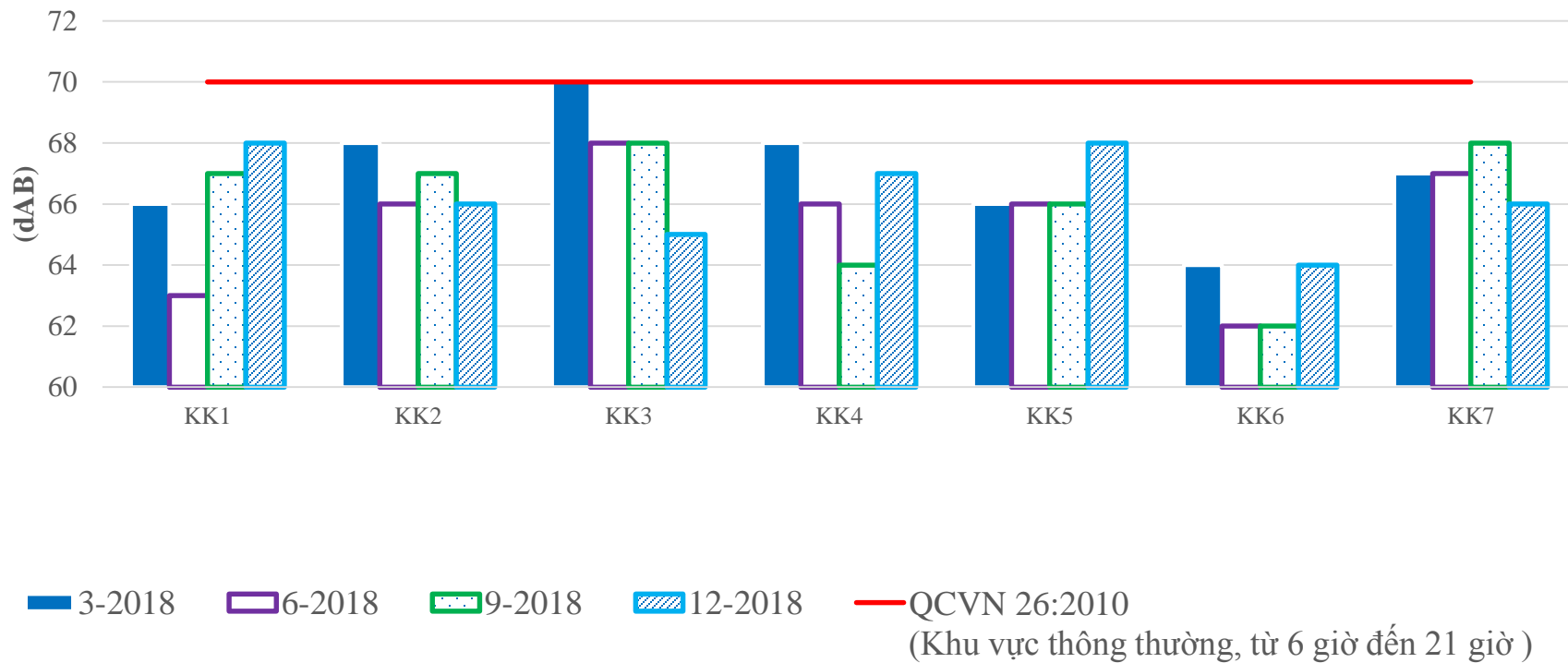
STATE OF ENVIRONMENTAL QUALITY

- ◆ Parameters of environmental quality monitoring have met the Vietnamese Standards for many years.
- ◆ State of environmental quality is evaluated quite well.
- ◆ At some monitoring sites, no toxic gases were detected such as carbon monoxide (CO) and sulfur dioxide (SO₂)

Some environment parameter comparison charts



NOISE LEVEL CHART



ENVIRONMENT PROTECTION

- ◆ Phu Quoc always makes efforts to contribute to the socio-economic development in accordance with environmentally sustainable development based on building long-term environmental protection policies and increasing investment in environmental projects;
- ◆ Phu Quoc has been expanding several programs and projects in the field of environment protection such as paying for the forest environmental service, the waste management project, the plan of action for managing marine plastic, the plan of organizing “Day for Phu Quoc Environment” etc.

ENVIRONMENT PROTECTION

- ◆ Collecting and treating household waste in the whole locality have reached over 80 percent. (The total amount of household waste collected in 2018 is about 70,000 tons of garbage, on average about 200 tons/day)
- ◆ Phu Quoc does not have a centralized wastewater treatment system, and wastewater is treated individually at production, business and household establishments
- ◆ Strengthening the inspection and supervision of production and business establishments and construction projects

Tasks of strengthening environmental protection management in the future

The process of urbanization and economic development puts great pressure on the island district's environment. It is necessary to have long-term strategic solutions that meet the urgent and immediate requirements.

- ◆ Develop and implement environmental plans
- ◆ Socialize the environmental protection
- ◆ Increase the investment capital source
- ◆ Strengthen regional links and international cooperation

AIMS OF PHU QUOC

An aerial photograph of Phu Quoc island, Vietnam, showing several wind turbines on a hillside overlooking the turquoise sea. The sky is clear and blue.

- Build Phu Quoc island to develop sustainably
- Harmonize economic development with conservation of historical and cultural relics and environmental protection
- Gradually build Phu Quoc to become a coastal island city, tourist center with high-class services

AIMS OF PHU QUOC

An aerial photograph of Phu Quoc Island, Vietnam, showing several wind turbines on a hillside overlooking the turquoise sea. The sky is clear and blue.

- ✓ Focus on developing tourism service industry and activities of provision for tourism service
- ✓ Do not develop industry
- ✓ Promote the application of science and technology

AIMS OF PHU QUOC

An aerial photograph of Phu Quoc Island, Vietnam, showing several wind turbines on a hillside overlooking the turquoise sea. The sky is a pale blue, and other islands are visible in the distance.

- ✓ Carry out fuel conversion, apply smart transport technology and green transport technology
- ✓ Strive to save electricity from 5% which is equivalent to 19,500 tCO₂ / year by 2020 compared to the demand of non-saving use
- ✓ Reduce electricity consumption, develop renewable energy

AIMS OF PHU QUOC

An aerial photograph of Phu Quoc Island, Vietnam, showing several wind turbines on a hillside overlooking the turquoise sea. The sky is clear and blue.

- ✓ Exploit and use land and natural resources reasonably and effectively
- ✓ Zone affected areas and functional areas of environmental protection
- ✓ Develop a system of environmental control in accordance with the functions of each region
- ✓ Protect the primeval forest ecosystem and maintain the forest area

AIMS OF PHU QUOC

An aerial photograph of Phu Quoc island, Vietnam, showing several wind turbines on a hillside overlooking the turquoise sea. The sky is clear and blue.

- ✓ Exploit and use water source in accordance with the planning and technical process
- ✓ Control agricultural and forestry production activities
- ✓ Control of environmental quality in urban areas and tourist areas
- ✓ Build a regional environmental monitoring system
- ✓ Apply GIS to environmental management

SOME IDEAS TO APPROACH A LOW-CARBON TOWN

- ✓ Invest in building domestic waste treatment plants
- ✓ Invest in building the electric bus system
- ✓ Develop renewable energy projects
- ✓ Energy management model in buildings

A vibrant tropical beach scene. In the foreground, large, smooth, tan-colored boulders are partially submerged in shallow, clear turquoise water. The water transitions from a light green near the shore to a deeper blue further out. On the left, the long, green fronds of a palm tree hang down into the frame. On the right, a full palm tree stands against a bright blue sky with scattered white clouds. In the distance, a small island or peninsula is visible, featuring a thatched-roof hut and other tropical vegetation. The overall atmosphere is bright and serene.

**THANK YOU
FOR LISTENING!**