

Vietnam-Japan cooperation on enhancing capacity of Vietnam on Environment Management

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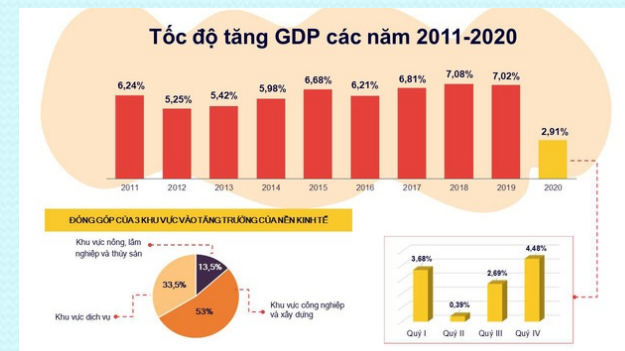
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Achivement of VN on Socio-economic development and environmental protection, period 2010-2020:

-From 2002 to 2020, GDP per capita increased 2.7 times, reaching nearly 2,800 USD [WB].



-Urbanization rate increased from 36.7 to 39.2% in 2016-2020

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Achivement of VN on Socio-economic development and environmental protection, period 2010-2020:

- 2016-2020 industry average Growth rate of 8.2%/year, contributing over 30% of GDP;
- Construction industry growth rate is about 8,5-8,7 %/Year



- By 2020: 369 IP in the whole country established, increased 72 zones compared to 2015;

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Achivement of VN on environmental protection, period 2010-2020:

Legislation system:

- Directive of Central Committee of CP
- LEP 2005-2014-2020;
- Biodiversity law 2008;
- Sea and Islands Natural Resources and Environment law;
- Water Resource law.
- Decrees, Circulars of Laws Implementation
- Environmental Standards
- National Environmental Protection Strategy 2011-2020
- National Strategy on Sustainable Development 2011-2020



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Achivement of VN on environmental protection, period 2010-2020:

Pollution prevention and control:

- MSW collection rate: 80-99% in Urban Areas;
63% in Rural Areas;
- By 2020: 1.322 MSW treatment sites
(381 Incineration units of different
scale, some of them are WtE);
37 composting plants;
904 landfill sites



- By 2020; 100% HSX of centralized
hospital has collected and
on-site separated prior treatment;
- By 2020: 90,69% IP have CWPP;

90,9% of them has online monitoring systems;
85% Hazardous waste are collected and treated properly

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In recent years, Vietnam has achieved remarkable results in socio-economic development and environmental protection. In which, expanding international cooperation plays a very important role,

Vietnam highly appreciated strong, effective and continuous support from Japanese Government both in economic development and environmental protection through JICA and other organizations

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Areas of JICA-Vietnam cooperation on environment protection :

- Enhancing legislation system
- Human resource development
- Capacity building on Water environment protection (Env. monitoring, Env. database, PRTR, Environmental Auditing, wastewater treatment..)



-Solid waste management, 3R

-Cleaner production and Air pollution treatment

-Biodiversity conservation

-Climate change response

-Circular Economy development

-Eco friendly Technology transfer

-Environmental research



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Example of Jica-Vietnam cooperation on enhancing legislation system:

-Expert dispatch, Experiences sharing, technical supports to develop LEP VN 2005, 2014, especially LEP 2020 and related Decrees, Circulars..



-Experiences sharing, technical supports on Environmental standards and regulations development

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- Example of new points added and developed in LEP 2020 on the basis of experiences learned through Jica projects
 - Environmental criteria to classify investment projects, preliminary assessment of environmental impacts
 - Supplement regulations on state management authority in environmental protection based on the principle of integrated and unified management, one task is assigned to only one agency in charge of implementation; thoroughly decentralized to the locality (EIA, Discharge Permit..)
 - Regulations on environmental permits and ERP
 - Municipal solid waste separation at source and 3R
 - information disclosure, consultation, and promote the role of the community in environmental protection activities, promote the role of the community in environmental protection activities
 - Specific regulation on environmental audit in order to strengthen the capacity and efficiency of environmental management of enterprises
 - Concretize regulations on climate change response, promote the development of the domestic carbon market
 - Enhance the legal corridor to protect natural heritage
 - Create policies to develop sustainable economic growth models, promote circular economy, restore and develop natural capital
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- Example of Jica-Vietnam cooperation on Human resource development:

- Human resource development is important part of each cooperation JICA project.
- Through JICA training courses, a thousands of VN scientists, Government staff, technicians had been trained on environmental management, environmental technology, Green economy, sustainable development...



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Example of Jica-Vietnam cooperation on capacity building on Water environment protection (Env. monitoring, Env. database, PRTR, Environmental Auditing, wastewater treatment..)

- Project on Enhancing capacity of VAST on water resource management 2004-2010 (for VAST and affiliated institutes)
 - Project on Enhancing capacity of Viet Nam on water environment protection 2010-2014 (for MONRE and 5 provinces)
 - Project on Cau river basin protection (for MONRE and Cau river basin provinces) 2014-2016
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- Example of Jica-Vietnam cooperation on solid waste management, 3R

-Jica Project on 3R in Hanoi 2007-2009



-Jica Project on Construction waste management and recycling, 2018-

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Example of Jica-Vietnam cooperation on Air quality management

-Jica project for Institutional Development of Air Quality Management in Vietnam

2013-2015



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Example of Jica-Vietnam cooperation on Biodiversity conservation

-Jica project on Sustainable Natural Resources Management (SNRM) 2015-2020, MARD and 5 provinces



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Still Environmental Challenges... Water pollution and Solid waste..

-2016-2020: MSW
increases 10-16%/year,
No on-site separation
2020: Total Urban MSW
~ 13.002.592t/year; Total
ISW from IP, EZ~25M t/year;



SW from breeding
farms 85-90.000.000t/year;
-Agriculture waste~ 95.000.000t/year
-Hospital SW~96.000 t/year
(24.000t Hazardous) ;
Ind. Hazardous waste 1.113.077 t/y (2019)

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Although Vietnam has made great efforts and initially succeeded in pollution rate mitigation, Vietnam is still facing a big challenge to meet the goal that by 2045 to become a developed country with a healthy living environment.

In order to achieve that goal, in the coming time, we hope to further promote cooperation with Japan in the field of environment.

Some Environmental issues that need continued attention in order to successfully implement LEP 2020

- Economic tools on Env. Management
- Air pollution mitigation
- Environmental zoning
- Environmental carrying capacity assessment
- Plastic waste reduction and WtE
- Environmental Permits and ERP
- Environmental Auditing and PRTR
- Ecosystem protection and Biodiversity conservation
- Circular economy and sustainable development
- Environmental Industry development
- Environmental disaster forecast and response
- Climate change response



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**Thank You Very Much for Your Attention
and Happy New Year 2022!**

