

PRIME MINISTER

THE SOCIALIST REPUBLIC OF VIETNAM
Independence - Freedom - Happiness

No: 403/QĐ-TTg

Ha Noi, 20th March 2014

UNOFFICIAL TRANSLATION

DECISION

**On Approval of the National Action Plan on Green growth in Vietnam
For the Period of 2014-2020**

THE PRIME MINISTER

Pursuant to the Law on the Organization of the Government dated 25 December 2001;

Pursuant to Decision No 1393/QĐ-TTg dated 25 September 2012 by the Prime Minister on the Approval of the Vietnam's National Green Growth Strategy;

In consideration of the proposal by the Minister of Planning and Investment,

HEREBY DECIDES:

Article 1: To approve the National Action Plan on Green Growth in Vietnam (herein referred as GGAP) for the Period of 2014-2020 with the following main contents:

I. KEY CONTENTS OF THE ACTIVITIES

Green Growth Action Plan in Vietnam composes of 04 main themes, 12 groups of activities and 66 specific activities (as in Annex I attached):

1. Theme 01: Setting up institutions and formulating green growth action plans at the local level with 08 activities belonging to 02 groups as follows:

a) Institutional set-up with 05 activities: From Activity No. 01 to Activity 05.

b) Formulation of local GGAPs with 03 activities: From Activity No. 06 to Activity No. 08.

2. Theme 02: Reducing the intensity of GHG emissions and promoting the use of clean and renewable sources of energy: with 20 activities in following 04 groups:

a) Implementing efficient and effective use of energy and reducing GHG emission in some energy consuming industrial sectors with 08 activities: from Activity No. 09 to Activity No. 16.

b) Implementing efficient and effective use of energy and reducing GHG emission in the transportation sector with 03 activities: from Activity No. 17 to Activity No.19.

c) Changing cultivation techniques and improving management to reduce GHG emission in agro-forestry and aquaculture with 06 activities: from Activity No. 20 to Activity No. 25.

d) Developing clean and renewable sources of energy: from Activity No. 26 to Activity No. 28.

3. Theme 03: Greening production, with 25 activities in 04 groups:

a) Review and recommend for revision of development strategies, master plans, plans and formulate the program to restructure the economy towards green growth with activities: From Activity No. 29 to Activity No. 38.

b) Efficient and sustainable use of natural resources and develop green economic sectors with 09 activities: From Activity No. 39 to Activity No. 47.

c) Developing sustainable infrastructure with 03 activities: From Activity No. 48 to Activity No. 50.

d) Promote campaign on “Enterprises for Sustainable Development”, improving capacity and market to provide green technical and management services for green growth with 03 activities: From Activity No.51 to Activity No. 53.

4. Theme 04: Greening lifestyle and promoting sustainable consumption: with 13 activities in 02 groups:

a) Develop green and sustainable urban areas with 07 activities: From Activity No.54 to Activity No. 60.

b) Promoting green life style with 06 activities: From Activity No. 61 to Activity No. 66.

II. PRIORITIZED ACTIVITIES

The period of 2014 - 2020 shall focus on implementing 23 prioritized activities, they are Activities No.: 01, 02, 03, 04, 06, 09, 16, 26, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, 41, 42, 47 (as in Annex II: List of prioritized activities under GGAP for Period of 2014-2020).

III. IMPLEMENTATION SOLUTIONS

1. The activities under GGAP should be implemented in synergy and in relevance with contents on: Improving awareness; improving institutions; Restructuring sectoral, local and entrepreneur economies as well as technology innovations.

2. Ministries, sectors, localities, People's Committees of provinces, cities and related agencies who are assigned to take lead in implementing activities under GGAP take responsibilities in identifying and realizing solutions to fulfill their assignments according to the plan for the period 2014-2020.

3. Capital resources for implementing activities:

- Capital resources include: resources from state budget in the Support Program Responding to Climate change (SPRCC); from enterprises; from communities and from international assistance.

- Ministries, sectors and localities according to their assignments are in charge for mobilizing, managing resources from state budget (both central and local sources), state and private enterprises, communities and assistance from international organizations.

- The Government give priorities and allocate sufficient budget from central and local sources to implement GGAP, especially to improve efficient use of energy and development of renewable energy.

- The Government create legal foundation to encourage financial institutions and enterprises investing in activities under GGAP.

IV. ORGANIZATION OF IMPLEMENTATION

1. The Inter-ministerial Coordinating Board for green growth implementation under the National Committee on Climate change is the focal point to synthesize sectoral and provincial green growth action plans; collaborating with the Ministry of Planning and Investment, Ministry of Finance and Ministry of Natural Resources and Environment to make plans on allocation of resources; organizing M&E and report of the VGGs implementation

2. Ministry of Planning and Investment is the focal agency in green growth, in charge for taking lead, coordinating with related ministries, sectors and People's Committees of provinces/cities to implement GGAP; making guidance, supervision, evaluation, monitor, sythesization of implementation progress; leading in collaboration with Ministry of Finance and related ministries to identify and allocate domestic financial resources as well as coordinating international assistance and policies to promote the realization of the national green growth strategy.

3. Ministries, sectors, People's Committees of provinces/cities/localities, State Bank of Vietnam, Vietnam Chamber of Commerce and Industry take responsibilities in leading and collaborate to implement the activities in Annex I.

Specific assignments for activities to leading agencies are as followings:

Ministry of Planning and Investment shall take lead and coordinate with related agencies in implementing activities No. 1, 5, 7 and 29.

Ministry of Industry and Trade shall take lead and coordinate with related agencies in implementing activities No.9, 10, 11, 13, 14, 15, 16, 26, 30, 41, 43, 46, 49 and 62.

Ministry of Agriculture and Rural Development shall take lead and coordinate with related agencies in implementing activities No.20, 21, 22, 24, 25, 31, 40 and 50.

Ministry of Natural Resources and Environment shall take lead and coordinate with related agencies in implementing activities No.4, 28, 34, 39, 42, 45 and 47.

Ministry of Science and Technology shall take lead and coordinate with related agencies in implementing activities No.12, 27, 35 and 36.

Ministry of Finance shall take lead and coordinate with related agencies in implementing activities No.3 and 64.

Ministry of Defense shall take lead and coordinate with related agencies in implementing activity No.8.

Ministry of Culture, Sports and Tourism shall take lead and coordinate with related agencies in implementing activities No.44 and 61.

The Inter-ministerial Coordinating Board under the National Committee on Climate change shall take lead and coordinate with related agencies in implementing activity No. 2.

People's Committees of provinces/cities shall take lead and coordinate with related agencies in implementing activities No.6, 19, 23, 55, 60, 63 and 65.

People's Committees of cities directly under the Centre shall take lead and coordinate with related agencies in implementing activity No.59.

Vietnam Chamber of Commerce and Industry shall take lead and coordinate with related agencies in implementing activities No.51, 52 and 53.

Ministry of Transportation shall take lead and coordinate with related agencies in implementing activities No.17, 18, 32 and 48.

Ministry of Construction shall take lead and coordinate with related agencies in implementing activities No.33, 54, 56, 57 and 58.

Ministry of Labor, Invalids and Social Affairs shall take lead and coordinate with related agencies in implementing activity No.38.

State Bank of Vietnam shall take lead and coordinate with related agencies in implementing activity No.37.

Ministry of Information and Communication shall take lead and coordinate with related agencies in implementing activity No. 66.

4. Based on the approved GGAP, ministries, sectors, localities, enterprises'

associations and concerned agencies, in accordance with their assignments, formulate their projects/programs with cost estimation to submit to competent authorities for approval which would serve as the basis for budget allocation under State Budget Law. It is required that those tasks, programs and projects specified as regular assignments of ministries and sectors should be included in their annual state budget plan for implementation.

5. By 31 October every year, ministries and provinces regularly report on the implementation of their action plans to the Inter-ministerial Coordinating Board, Ministry of Planning and Investment for synthesizing and submit to the Prime Minister and the National Committee on Climate change

Article 2. This Decision goes into enforcement from the date of signature.

Article 3. Ministers, Heads of ministry-level agencies, Heads of agencies directly under the Government, Chairman of People's Committees of Provinces and Cities directly-under the Centre and Heads of related agencies are responsible for implementing this Decision./.

Recipients:

- Secretariat of the Central Party Committee;
- Prime Minister, Deputy Prime Ministers;
- Ministries, Ministry-level agencies, agencies directly under the Government;
- Office of the Central Steering Committee on anti-corruption;
- People's Councils, People's Committees of provinces and cities directly under the Centre;
- Central Office and Committees under the Party;
- Office of the Party's General Secretary;
- Office of the President;
- Ethnic Council and Committees of the National Assembly;
- Office of the National Assembly;
- The People's Supreme Court;
- The People's Supreme Procuracy;
- Central Offices of mass organizations;
- Office of the Government: Minister/Chairman, Vice Chairmen; Assistant to Prime Minister, e-Portals, Departments, General Departments, Gazette;
- Record: Archives, Dept. of economic sectors.

**ON BEHALF OF PRIME MINISTER
DEPUTY PRIME MINISTER**

(Signed)

Hoàng Trung Hải

Annex I
CONTENTS OF ACTIVITIES UNDER GGAP IN THE PERIOD OF 2014-2020

(Attached to the Decision No.403/QĐ-TTg dated 20th March 2014 by the Prime Minister)

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
1	Organize the Inter-ministerial Coordinating Board for VGGS / Institutional improvement/ 2013-2015/ High.	<ul style="list-style-type: none"> - Establish the Inter-ministerial Coordinating Board for VGGS (ICB) under the National Committee on Climate Change - Formulate and approve the Operation Charter and 5-years and annual working plans for the ICB. - Organize the coordination of implementation and making periodical, annual and 5-year reports. 	Ministry of Planning and Investment / Ministries, PPCs of provinces and cities.	State budget: <input checked="" type="checkbox"/> in the operation budget of NCCC. International Technical Assistance: <input checked="" type="checkbox"/>
2	Completing the institutional framework to enhance the economy restructuring process in accordance with VGGS / Institutional improvement/2013-2014/	<ul style="list-style-type: none"> - Review legal documents and national strategies to identify issues that are not in line with green orientation and propose a roadmap for completing the institutional framework. - Study to enhance the state management apparatus to promote the coordination among concerned agencies in implementing green and sustainable development. - Formulate and issue the program to formulate mechanism and policies for mobilizing and managing resources (finance, human resources) for green growth 	ICB under NCCC/ MPI, MoJ, MoHA, MoF.	State Budget: <input checked="" type="checkbox"/> in the operation budget of NCCC. International Technical Assistance: <input checked="" type="checkbox"/>

¹ Including 4 main themes: (1) Awareness Raising; (2) Institutional Improvement; (3) Restructuring sectors, local economies and enterprises; and (4) Technology Innovation.

² Resources already in allocation plans; Resources potentially put into allocation plans; Resources not yet defined

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
	High.	towards 2020. - Establishing criteria framework to identify green growth programs and projects. - Building monitoring, evaluation and reporting framework for VGGs implementation.		
3	Formulate the green growth financial policy framework / Institutional improvement / 2013-2014/ High.	- Formulate the national policy framework on state budget allocation and management to implement VGGs. - Establish financial policy framework (including tax, fit-in-tariff, funds, sanctions, green/sustainable criteria for enterprises to be posted in the stock market) stimulating VGGs implementation.	MoF/ MPI, MoNRE.	State budget: <input checked="" type="checkbox"/> International Technical Assistance: <input checked="" type="checkbox"/>
4	Raising awareness and involving wide participation of all the people in VGGs implementation / Awareness Raising/ 2013-2015/ High.	- Organize communication and awareness raising activities on green growth in organizations, public agencies and civil societies representing communities. - Mainstream green growth into on-the-job training curricula for officials at all levels. - Promote community campaigns in greening production and greening lifestyle. - - Orienting and support the network development of technical consulting organizations and NGOs working to promote green growth.	MoNRE/ Ministry of Education and Training, Ministry of Information and Communication, Media organizations at central and local levels (newspapers, radios and televisions), Vietnam Union of Scientific and Technology associations, Vietnam Youth Union, Vietnam Women Union, Vietnam Labor Union, Provincial People's Committees, VCCI, Sectoral and Job/professional	State Budget: <input checked="" type="checkbox"/> SPRCC. Communities' resources: <input checked="" type="checkbox"/> International Technical Assistance: <input type="checkbox"/>

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
			associations related to green growth and sustainable development.	
5	Join international activities for promoting and sharing experiences in green growth implementation / Institutional improvement, Awareness Raising / 2013-2020.	<ul style="list-style-type: none"> - Negotiating and signing international cooperation agreements on green growth implementation. - Participate in internationally important conferences, workshops to promote green growth implementation. - Organize activities to share experiences with other countries in green growth implementation. - Establish international cooperation mechanism for clean technology transfer and human resources development for green growth and sustainable development. 	Ministry of Foreign Affairs, Ministry of Science and Technologies, Ministry of Industry and Trade, ministry of Agriculture and Rural Development, PPCs of provinces and cities, VCCI, VUSTA.	State Budget: <input checked="" type="checkbox"/> International Technical Assistance: <input type="checkbox"/>
6	Formulate local GGAP in some provinces and cities. Synthesize and Disseminate best practices / Institutional improvement, Awareness Raising / Mid 2014 to 2017/ High.	<ul style="list-style-type: none"> - Formulate Guiding framework for mainstreaming green growth into local and sectoral socio-economic development plans. - Guiding to pilot local GGAP in some typical provinces and and cities in large regions. - - Synthesizing and drawing lessons. Disseminating and sharing experiences among localities. 	PPCs of provinces and cities/	State Budget: <input checked="" type="checkbox"/> International Technical Assistance: <input checked="" type="checkbox"/> .
7	Piloting to formulate green growth models in provinces / Institutional improvement, Awareness Raising /	<ul style="list-style-type: none"> - Establish projects and pilot some small scale green growth models in some typical provinces and cities in large regions. - Disseminate and share experiences among provinces. 	MPI/ PPCs of provinces and cities	State Budget: <input checked="" type="checkbox"/> Communities' resources: <input checked="" type="checkbox"/> International Technical Assistance: <input type="checkbox"/>

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
	2015-2020.			
8	Implement green growth models in the border and coastal zones as well as islands / Restructuring/ 2015-2020.	<ul style="list-style-type: none"> - Reviewing and continuing to invest in projects for solar and wind energy, sea water filtering, clean water supply and waste water treatment for residents in the border and coastal zones as well as islands. - Realizing forestation and forest protection projects in the borders, mangrove forests and islands 	Ministry of Defense/ MPI, MoNRE.	State Budget <input checked="" type="checkbox"/> . Communities' resources: <input checked="" type="checkbox"/> International Technical Assistance: <input type="checkbox"/>
9	Review and revise the national energy strategy and policies to pursue green growth direction / Institutional improvement / Late 2013-2015/ High.	<ul style="list-style-type: none"> - Review 5-year implementation of “the National strategy on energy development towards 2020 with the vision to 2050”, reviewing and adjusting the energy structure to attain the energy safety in the context of global economic crisis and climate change. - Formulate the implementation plan of the national energy strategy for the period 2014-2020 and policies for systematic development of energy sources; exploit and efficiently use internal energy sources; less dependence on imported oil products; gradually reduce the volume of exported coal and import an appropriate amount of coal; connecting with the energy networks of neighboring countries. 	MoIT/ Ministry of Planning and Investment, Ministry of Science and Technology, Ministry of Finance, Vietnam Energy Association, Vietnam Academy of Science and Technology.	State Budget: <input checked="" type="checkbox"/> .
10	Complete the legal framework for efficient and effective use of energy/ Institutional improvement / 2014-2020.	<ul style="list-style-type: none"> Continue to complete the legal framework for efficient and effective use of energy in industrial production, management of construction works, households activities and equipment consuming energy. - Completing legal framework for managing electricity demand. - Establish and apply state management policies and tools 	MoIT/ Ministry of Planning and Investment, Ministry of Transportation, Ministry of Construction, Ministry of Agriculture and Rural Development, Ministry of Finance, VCCI, Vietnam	State Budget: <input checked="" type="checkbox"/> . International Technical Assistance: <input checked="" type="checkbox"/> .

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
		to decrease the fossil fuel usage, encouraging to switch to consume clean and renewable energy. Reducing implementation time of the roadmap for removing subsidy for production and consumption of fossil fuels.	Energy Association.	
11	Improve the people's awareness on efficient and effective use of energy/ Institutional improvement / 2013-2020.	<ul style="list-style-type: none"> - Strengthen communication and awareness raising activities towards all the people, agencies, organizations; creating habits to use energy efficiently and effectively as well as protecting the environment. - Maistreaming energy knowledge into training and education curricula. 	MoIT/ VCCI, Vietnam Energy Association, Ministry of Education and Training, Ministry of Information and Communication, Voice of Vietnam, Vietnam Television, Vietnam Union of Scientific and Technology associations, Vietnam Youth Union, Vietnam Women Union, Vietnam Labor Union, Provincial People's Committees.	State Budget: <input checked="" type="checkbox"/> . Communities' resources: <input checked="" type="checkbox"/> . International Technical Assistance: <input checked="" type="checkbox"/> .
12	Development of technology and technique for saving energy / Institutional improvement, Restructuring; Technology Innovation/ 2013-2020.	<ul style="list-style-type: none"> - Formulate and implement policies facilitating investment and technology for domestic producers to develop and widely use of productive energy equipment, gradually replacing energy consuming ones and removing backward/out-of-date equipments. - Create and issue national standards for quality of energy equipments. - Establish and implement policies promoting fast development of market for energy saving technologies. 	Ministry of Science and Technology / Ministry of Industry and Trade, Ministry of Transportation, Ministry of Construction, Ministry of Natural Resources and Environment, Vietnam Union of Scientific and Technology associations, Vietnam Chamber of Commerce and Industry,	State Budget: <input checked="" type="checkbox"/> . Local State Budget: <input checked="" type="checkbox"/> . Resources from enterprises and communities: <input type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
			PPCs of provinces and cities.	
13	Promulgating minimum energy efficiency standards and energy labeling for products / Institutional improvement, Technology Innovation / 2013-2020.	<ul style="list-style-type: none"> - Continue to create and issue energy efficiency standards. - Promoting quick implementation of compulsory energy labling roadmap for households applicants production equipments. - Quickly and strictly apply minimum energy efficiency standards for imported households applicants and products. 	Ministry of Industry and Trade / Ministry of Science and Technology, Ministry of transportation, Ministry of Construction, Ministry of Agriculture and Rural Development, Vietnam Union of Science and Technology Associations, Union of Collectives, Vietnam Chamber of Commerce and Industry, PPCs of provinces and cities, Costume General Department, Vietnam Consumers Protection Association, PPCs of provinces and cities.	State Budget: <input checked="" type="checkbox"/> . Resources from enterprises: <input checked="" type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .
14	Improve energy efficiency in enterprises in most energy-intensive sectors/ Technology Innovation; Institutional improvement / 2015-2020.	<ul style="list-style-type: none"> - Apply advanced standards and technical norms to improve energy efficiency in production activities in enterprises in most consuming energy sectors (electricity, cement, steel, fabric, transportation). - Replacing coal, oil and petroleum by less carbon fuels such as gas, biomass, biogas) in industry gas and combustion furnace.. 	Ministry of Industry and Trade / Ministry of Science and Technology, Ministry of Transportation, Ministry of Natural Resources and Environment, Vietnam Chamber of Commerce and Industry, PPCs of provinces and cities, Production	Resources from enterprises: <input checked="" type="checkbox"/> . International Technical Assistance: <input checked="" type="checkbox"/> .

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
			Groups of Industry, Construction and Transportation.	
15	Improving energy efficiency in small and medium enterprises (SMEs)/ Technology Innovation / 2015-2020.	- Support SMEs in production and services sectors to upgrade and innovate their production lines and technologies as well as management to use energy efficiently and effectively.	Ministry of Industry and Trade / Ministry of Science and Technology, Ministry of transportation, Ministry of Construction, Ministry of Agriculture and Rural Development, SMEs Associations, Union of Collectives, Vietnam Chamber of Commerce and Industry, PPCs of provinces and cities.	State Budget: <input checked="" type="checkbox"/> . Resources from enterprises: <input type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .
16	Improve energy management capacity in industries and constructions / Institutional improvement / 2013-2015/ High.	- Provide training and award certificates on energy management and auditing for workers/managers in industrial production sectors as well as managing and using construction works	Ministry of Industry and Trade / Ministry of Construction, PPCs of provinces and cities, Vietnam Energy Association, VCCI.	State Budget: <input checked="" type="checkbox"/> . Resources from enterprises: <input checked="" type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .
17	Changing the structure for energy efficiency and effectiveness in transportation / Restructuring, Technology	Establish and implement investment and tax policies as well as economic instruments for developing diversified transportation network that meets the transportation demand, saving energy and reducing environmental pollution.	Ministry of Transportation / Ministry of Planning and Investment, Ministry of Science and Technology, Ministry of Finance, PPCs of provinces and cities,	State Budget: <input checked="" type="checkbox"/> . Local State Budget: <input checked="" type="checkbox"/> . Resources from enterprises: <input checked="" type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
	Innovation; Institutional improvement / 2014-2020.	<ul style="list-style-type: none"> - Optimize transportation networks and vehicles to improve energy efficiency, reducing traffic jams. - - Implement approved projects on environment pollution control in transportation, emission from cars, motorbikes. 	Vietnam Energy Association, VCCI.	
18	Innovating technology to use energy efficiently and effectively in transportation / Technology Innovation; Institutional improvement / 2014-2020.	<ul style="list-style-type: none"> - Enhance the application of new technology, usage of renewable energy and less GHG emitted fuels in transportation. - - Implement a set of management in fuel, emission standards and vehicles maintenance. 	Ministry of Transportation / Ministry of Planning and Investment, Ministry of Science and Technology, Ministry of Finance, Ministry of Natural Resources and Environment, PPCs of provinces and cities, Vietnam Energy Association, VCCI.	State Budget: <input checked="" type="checkbox"/> . Resources from enterprises: <input checked="" type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .
19	Develop public transportation towards greening orientation / Technology Innovation, Restructuring / 2014-2020.	<ul style="list-style-type: none"> Invest to develop types of public transportation saving energy, using clean energy with low emission. - - Encourage all economic sectors to invest to develop high-quality public transportation services. 	PPCs of provinces and cities/ Ministry of Transportation, Ministry of Planning and Investment, Ministry of Finance, Local Transportation associations.	State Budget: <input checked="" type="checkbox"/> . Local State Budget: <input checked="" type="checkbox"/> . Resources from enterprises: <input checked="" type="checkbox"/> . International Technical Assistance: <input checked="" type="checkbox"/> .
20	Apply organic cultivation approach and improve management skills to reduce GHG emission / Technology	<ul style="list-style-type: none"> - Apply short-time rice seedling with high productivity to reduce GHG emission. - Study and disseminate sustainably organic cultivation approach, apply water saving irrigation procedures in production of rice and other plants, appropriate use of seedlings, fertilizers and feeding foods to increase the competitiveness of agricultural production and reduction 	Ministry of Agriculture and Rural Development (Vietnam Institute of Agriculture Science)/ Ministry of Science and Technology, Ministry of Natural Resources and	State Budget: <input checked="" type="checkbox"/> . Resources from enterprises and communities: <input checked="" type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
	Innovation / 2013-2020.	of GHG emission. - Apply compost in cultivation of rice and other plants	environment, Ministry of Planning and Investment, Ministry of Finance, PPCs of provinces and cities, Vietnam Union of Farmers.	
21	Reuse and recycle agricultural by-products and waste / Technology Innovation, Institutional improvement, Restructuring / 2013-2020.	- Support investment for projects to study and piloting as well as disseminating technology that reuse and recycle agricultural by-products and waste as animal feeding foods, planting mushrooms, materials for industrial production, biogas, organic fertilizer. This will aim to establish and develop the industry to recycle agricultural by-products, improving production value and reducing polluted emission. - Formulate and issue policies that encourage to recycle agricultural by-products and waste.	MARD/ Ministry of Science and Technology, Ministry of Natural Resources and environment, Ministry of Planning and Investment, Ministry of Finance, PPCs of provinces and cities.	State Budget: <input checked="" type="checkbox"/> . Resources from enterprises and communities: <input checked="" type="checkbox"/> . International Technical Assistance: <input checked="" type="checkbox"/> .
22	Study and widely apply enriched nutritious foods in husbandry to increase the absorbent capacity, reducing GHG emission, enhance quality of clean husbandry products and improve economic efficiency / Technology Innovation, Institutional	- Study the possibilities for developing enriched nutritious foods to improve absorbent capacity, reducing time of growing in husbandry. - Build models to apply enriched nutritious foods in husbandry - Provide training and raise awareness for the community to apply enriched nutritious foods - Design and Issue policies to encourage production and use of enriched nutritious foods in husbandry	Ministry of Agriculture and Rural Development (Institute of Husbandry)/ Ministry of Science and Technology, Ministry of Natural Resources and Environment, Ministry of Planning and Investment, Ministry of Finance, PPCs of provinces and cities.	State Budget: <input checked="" type="checkbox"/> . Resources from enterprises and communities: <input checked="" type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
	improvement, Restructuring / 2013-2020.			
23	Forestation, improving forest quality and sustainable forest management/ Restructuring, Institutional improvement / 2013-2020.	<ul style="list-style-type: none"> - Push up the progress of reforestation and forestation projects, encouraging enterprises investing in economic forests to increase the forest coverage to 45% in 2020, improving forest quality and increase CO2 sequestration capacity of forest and biomass for CO2 storage, assuring wood provision for production and consumption. - Develop forest on un-used land and bare hills, mangrove forest, forest for sand and wave defense along rivers and coastal zones. - Formulate and implement programs on reducing emission from deforestation and degradation (REDD+), sustainable forest management in combination with maintaining and diversifying livelihoods of local residents to respond to climate change. - Establish and implement widely policies that involve participation of all economic sectors and the whole society in conservation and sustainable development of forest as well as other ecologies. 	PPCs of provinces and cities/ Ministry of Agriculture and Rural Development; Ministry of Natural Resources and environment, Ministry of Planning and Investment, Ministry of Finance,	Resources from enterprises and communities: ✓. International Technical Assistance: ☑.
24	Innovating technologies in aquaculture and aqua products exploitation/ Technology Innovation, Restructuring / 2014-2020.	<ul style="list-style-type: none"> - Adjust structure of fishing boats to save fuels. Innovate in lighting technology in fishing to increase productivity and save energy. - Apply advanced technology in aquaculture to save feeding foods, energy and reduce organic waste discharge. - Apply technology measurements and production organization to reduce pollution in aqua products 	Ministry of Agriculture and Rural Development Agency for Aquaculture)/ Ministry of Natural Resources and environment, Ministry of Planning and Investment, Ministry of Finance, PPCs of provinces	Resources from enterprises and communities: ✓. International Technical Assistance: ☐.

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
		processing enterprises.	and cities;	
25	Improve energy efficiency and reduce pollution in craft villages and non-agricultural production in rural areas/ Technology Innovation, Restructuring / 2014-2020.	<ul style="list-style-type: none"> - Support enterprises and households to innovate technologies and equipment to increase energy efficiency in production in craft villages and non-agricultural production stations in rural areas. - Planning and control against environmental pollution, assuring working safety in craft villages in rural areas. - It is required that the development of sectors and non-agricultural enterprises in rural areas should go in hand with the building of industrial parks, zones with comprehensive infrastructure to limit polluting possibility. 	MARD/ Ministry of Natural Resources and environment, Ministry of Planning and Investment, Ministry of Finance, PPCs of provinces and cities, Associations of craft villages.	State Budget: <input checked="" type="checkbox"/> Resources from enterprises and communities: <input checked="" type="checkbox"/> International Technical Assistance: <input type="checkbox"/> .
26	Formulate and implement policies that give priority to develop clean energy sources/ Institutional improvement/ 2013-2014/ High.	<ul style="list-style-type: none"> - Review and recommend for revision of the master plan for hydro power plants development. - Establish policies of investment, tax and price as well as market economic instruments to encourage exploiting and using natural gases. - Issue and monitor the operation of economic policies to promote producing and consuming new energy sources (solar, wind, biomass, thermal and biofuel). 	MoIT/ Ministry of Planning and Investment, Ministry of Science and Technology, Ministry of Natural Resources and Environment, Ministry of Finance, PPCs of provinces and cities.	State Budget: <input checked="" type="checkbox"/> .
27	Support R&D for new energy sources (wind, solar, wave, geothermal, biomass, biofuel,..)/ Technology Innovation, Restructuring /	<ul style="list-style-type: none"> Support for programs conducting surveys, researches and production experiment as well as create best practices in using new and renewable energies. - Protect intelligence pattern, value added technology innovation in new and renewable energy resources to promote the establishment of market for renewable energy technologies. Support to purchase innovation patterns and 	MoST/ Ministry of Planning and Investment, Ministry of Industry and Trade, Ministry of Agriculture and Rural Development, Ministry of Finance, PPCs of provinces and cities, Vietnam	State Budget: <input checked="" type="checkbox"/> Resources from enterprises: <input checked="" type="checkbox"/> International Technical Assistance: <input checked="" type="checkbox"/> .

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
	2014-2020.	know-how in renewable energy area. - Give prioritized tax for importing new technologies, equipment, and trading equipment. - Support investment for formulating industry to produce equipment and providing domestic services for new energy.	Association of Energy organizations.	
28	Complete the legal foundation for clean air. Conducting inventory and monitor GHG emission as well as managing GHG mitigation activities/ Institutional improvement / 2013-2015/ High.	- Conducting survey, assessing and establish the legal framework on clean air. - Enhance capacity for officials and formulate database for regular GHG inventory. - Strengthen coordination among sectors to regular monitor emission and managing GHG mitigation activities.	MoNRE/ Ministry of Science and Technology, Ministry of Industry and Trade, Ministry of Transportation, Ministry of Construction, Ministry of Agricultural and Rural Development, PPCs of provinces and cities.	State Budget: <input checked="" type="checkbox"/> . International Technical Assistance: <input checked="" type="checkbox"/> .
29	Review and recommend for revision of socio-economic development master plans under the light of sustainable development and formulate the project to restructure the economy towards green growth for the	Review the socio-economic development process in the period 2000-2013 which is considered as “brown growth” under the light of sustainable development. - Review, recommend for revision of the socio-economic development master plans of major economic zones, economic zones and economic corridors; sectoral development master plans, especially those sectors that have great adverse impacts on the environment to assure sustainable development for sectors, efficient use of natural resources, pollution control and effective management of waste.	MPI/ Steering committees of major economic and large scale zones, ministries and PPCs of provinces and cities, Central Party Economic Committee, Vietnam Academy of Science and Technology, Vietnam Academy of Social Sciences.	State Budget: <input checked="" type="checkbox"/> .

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
	period 2014-2020/ Restructuring / Late 2013-2014/ High.	- Establish the project to restructure the economy towards green growth direction for the period 2014-2020.		
30	Review and recommend for revision of sectoral development master plans under the light of sustainable development and formulate policy framework as well as green growth action plan for the industry sector in the period 2014-2020/ Restructuring / 2013-2014/ High.	<ul style="list-style-type: none"> - Review the industrial development in the period of 2000-2013 which is considered as “brown growth” model under the light of sustainable development. - Review and recommend for revision of development master plans of industrial sectors and subsectors, especially those subsectors and stations creating great adverse impact on the environment to assure sustainable development for sectors, efficient use of natural resources, pollution control and effective management of waste. - Formulate green growth policy framework and action plan for the industrial sector in the period 2014-2020, which include 2 key indicators on: Reduce the energy consuming per GDP unit and reduce the GHG emission intensity in major production sectors in comparison to the level of 2010 (according to the updated National Communication) with 2 scenarios for with and without international assistance. 	MoIT/ Ministry of Planning and Investment, Ministry of Finance, PPCs of provinces and cities, VCCI and Industrial Unions/associations.	State Budget: <input checked="" type="checkbox"/> .
31	Review and recommend for revision of sectoral development master plans under the light of sustainable development and formulate policy	<ul style="list-style-type: none"> - Review the development in the period of 2000-2013 of the agriculture, forestry and aquaculture under the light of sustainable development. - Review and recommend for revision of master plans of sectors and subsectors to assure sustainable development for sectors, efficient use of natural resources, pollution control and effective management of waste. 	MARD/ Ministry of Planning and Investment, Ministry of Finance, PPCs of provinces and cities, agro-forestry and aqua production unions/associations.	State Budget: <input checked="" type="checkbox"/> .

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
	framework as well as green growth action plan for the agriculture, forestry and aquaculture as well as rural development in the period 2014-2020/ Restructuring / 2013-2014/ High.	- Formulate green growth policy framework and action plan for the agriculture, forestry and aquaculture sectors in the period 2014-2020, which include 2 key indicators on: Reduce the energy consuming per GDP unit and reduce the GHG emission intensity in major production sectors in comparison to the level of 2010 (according to the updated National Communication) with 2 scenarios for with and without international assistance.		
32	Review and recommend for revision of sectoral development master plans under the light of sustainable development and formulate policy framework as well as green growth action plan for the transportation sector in the period 2014-2020/ Restructuring / 2013-2014/ High.	- Review the development in the period of 2000-2013 of the transportation sector under the light of sustainable development. - Review and recommend for revision of master plans of the sector and subsectors to assure sustainable development for sectors, efficient use of natural resources, pollution control and effective management of waste. - Formulate green growth policy framework and action plan for the transportation sector in the period 2014-2020, which include 2 key indicators on: Reduce the energy consuming per GDP unit and reduce the GHG emission intensity in major production sectors in comparison to the level of 2010 (according to the updated National Communication) with 2 scenarios for with and without international assistance.	Ministry of transportation/ Ministry of Planning and Investment, Ministry of Finance, PPCs of provinces and cities, Associations of Transportation organizations.	State Budget: <input checked="" type="checkbox"/> Ministry's operation budget
33	Review and recommend for revision of sectoral	- Review the development in the period of 2000-2013 of the construction sector under the light of sustainable	Ministry of Construction/ Ministry of Planning and Investment, Ministry of	State Budget: <input checked="" type="checkbox"/> .

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
	development master plans under the light of sustainable development and formulate policy framework as well as green growth action plan for the construction sector in the period 2014-2020/ Restructuring / 2013-2014/ High.	development. - Review and recommend for revision of master plans of the sector and subsectors to assure sustainable development for sectors, efficient use of natural resources, pollution control and effective management of waste. - Formulate green growth policy framework and action plan for the construction sector in the period 2014-2020, which include 2 key indicators on: Reduce the energy consuming per GDP unit and reduce the GHG emission intensity in major production sectors in comparison to the level of 2010 (according to the updated National Communication) with 2 scenarios for with and without international assistance.	Finance, PPCs of provinces and cities, Construction/Architecture/urban&spatial planning unions/associations.	
34	Review and recommend for revision of sectoral development master plans under the light of sustainable development and formulate policy framework as well as green growth action plan for the natural resources and environment sectors in the period 2014-2020/ Restructuring / 2013-2014/	- Review the development in the period of 2000-2013 of the natural resources and environment sectors which are considered as “brown growth” under the light of sustainable development. - Review and recommend for revision of master plans of the sector and subsectors to assure sustainable development for sectors, efficient use of natural resources, pollution control and effective management of waste. - Formulate green growth policy framework and action plan for the natural resources and environment sectors in the period 2014-2020.	MoNRE/ Ministry of Planning and Investment, Ministry of Finance, PPCs of provinces and cities, Nature and environmental protection conservation organizations, Vietnam Academy of Science and Technology, Vietnam Academy of Social Sciences	State Budget: <input checked="" type="checkbox"/> .

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
	High.			
35	Review development strategy and master plans for science and technology under the light of sustainable development and formulate policy framework and action plan for developing science and technology to meet the demand of the economy for green growth in the period 2014-2020/ Restructuring / 2013-2014/ High.	<ul style="list-style-type: none"> - Review the development of science and technology in the period 2000-2013 and the role of science and technology in the sustainable development process. - Review and recommend for revision of strategies and master plans for developing scientific and technology areas and R&D organizations. - Formulate the restructuring project for the green growth economy in the period 2014-2020. - Formulate the legal framework to support the development of green technologies and Action plan for developing science and technology to meet the demand of the green economy in the period of 2014 – 2020 	MoST/ Ministry of Planning and Investment, Ministry of Education and Training, Vietnam Academy of Science and Technology, Vietnam Academy of Social Sciences, VUSTAs, PPCs of provinces and cities.	State Budget: <input checked="" type="checkbox"/> .
36	Support and encourage R&D for applying green technology / Technology Innovation, Institutional Improvement/ 2013-2020/ High.	<ul style="list-style-type: none"> - Focus investment on R&D for key green technologies: green energy, construction, materials, transportation mechanics, agro-forestry-aquaculture technologies, green chemistry and waste management. - Issue encouraging policies for foreign and domestic enterprises to invest in green economy and research for localizing green technologies. 	MoST/ Ministry of Industry and Trade, Ministry of Transportation, Ministry of Construction, Ministry of Agriculture and Rural Development, Ministry of Natural Resources and Environment, PPCs of provinces and cities, Vietnam Academy of	State Budget: <input checked="" type="checkbox"/> Resources from enterprises and communities: <input checked="" type="checkbox"/> .

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
			Science and Technology, related job/professional unions/associations, VUSTAs	
37	Improve the institutional arrangement and capacity of financial and credit activities of commercial banks to promote green growth/ Institutional Improvement, Capacity building/ 2013-2020/ High.	<ul style="list-style-type: none"> - Review and revise financial and credit policies/institutions to go in line with green growth goals. - Provide training and education to build capacity for commercial banks as well as financial organizations in green financial and credit activities - Formulate and develop financial and banking services to support enterprises to pursue green growth. 	State bank of Vietnam/ MoF, State Treasury	State Budget: <input checked="" type="checkbox"/> . Resources from enterprises and communities: <input checked="" type="checkbox"/> . International Technical Assistance: <input checked="" type="checkbox"/> .
38	Support to develop human resources for green job / Capacity building , Institutional Improvement/ 2013-2020.	<ul style="list-style-type: none"> - Support to develop technical human resources in sectors of green economy. - Issue policies to encourage the generation of green jobs 	MoLISA/ Ministry of Industry and Trade, Ministry of Construction, Ministry of Transportation, PPCs of provinces and cities, Vietnam trade union.	State Budget: <input checked="" type="checkbox"/> . Resources from enterprises and communities: <input checked="" type="checkbox"/> . International Technical Assistance: <input checked="" type="checkbox"/> .
39	Against land degradation and sustainably efficient use of land resources / Institutional Improvement/ 2013-2014/	<ul style="list-style-type: none"> - Conducting inventory and reviewing the use of land resources in the period 2000-2013. - Review and assessing the compatibility of the current institutional system (legal and organization) with the requirements from green growth. - Establish policy framework and action plan on green 	MoNRE/ Vietnam Union of Science and Technology Associations, Land Sciences Association, Ministry of Planning and Investment, PPCs of provinces and cities.	State Budget: <input checked="" type="checkbox"/> Operation cost of ministries and localities. Resources from enterprises and communities: <input checked="" type="checkbox"/> International Technical

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
	High.	<p>usage and development of land resources towards 2020 with vision to 2050.</p> <ul style="list-style-type: none"> - Study solutions to apply combined agro-forestry-aqua-cultivation in different ecological zones to assure for economic effectiveness and environment protection. - Mainstream national policies with international activities against degradation and sustainable use of land. - Disseminate and guide people to apply methods to protect and enrich land resources. 		Assistance: <input checked="" type="checkbox"/> .
40	Sustainably efficient use of water resources/ Institutional Improvement / 2013-2014/ High.	<ul style="list-style-type: none"> - Conducting inventory and reviewing the use of water resources in the period 2000-2013. - Review and assessing the compatibility of the current institutional system (legal and organization) with the requirements from green growth. - Establish institutional mechanism to manage integrated river basins, upstream zones, underground waters to protect land and water, development of irrigation system, balancing the ecology and regulating interactions between delta and mountainous regions. - Establish policy framework and action plan on green usage and development of water resources towards 2020 with vision to 2050. - Enhance capacity for local competent authorities at all levels as well as communities in managing and supervising the use of water resources. Strengthen wide participation of water beneficiaries into planning, operating and donating for water infrastructure works. 	MARD/ National Committee on Water resources, Ministry of Science and Technology, Vietnam Union of Science and Technology associations, Ministry of Natural Resources and Environment, Ministry of Planning and Investment, Vietnam Associations of Irrigation, Large scale Dyke and water development.	State Budget: <input checked="" type="checkbox"/> Resources from enterprises and communities: <input checked="" type="checkbox"/> International Technical Assistance: <input checked="" type="checkbox"/> .

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
		<ul style="list-style-type: none"> - Promote international cooperation in using, managing and protecting shared water sources with neighboring countries. 		
41	Sustainably efficient use of minerals / Institutional Improvement / 2013-2014/ High.	<ul style="list-style-type: none"> - Conducting inventory and reviewing the use of mineral resources in the period 2000-2013. - Review and assessing the compatibility of the current institutional system (legal and organization) with the requirements from green growth. - Establish policy framework and action plan on green usage and development of mineral resources towards 2020 with vision to 2050. - Complete the managing system on mineral resources from the central down to local levels. - Build long term master plans on exploitation, usage, import, export, storage and conservation of top key mineral resources for the economy 	MoIT/ Ministry of Natural Resources and Environment, Ministry of Science and Technology, Vietnam Union of Science and Technology associations, Union of Geology, Ministry of Planning and Investment.	State Budget: <input checked="" type="checkbox"/> . Resources from enterprises and communities: <input type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .
42	Encouraging and supporting rapid development of eco-products manufacturing industries / Restructuring, Institutional Improvement / 2013-2014/ High.	<ul style="list-style-type: none"> - Formulate and issue standards for eco-labeled products. Products and services which are considered to be in the list for ecolabeling in the period 2013-2020 include: construction materials; foods; transportation; energy; computer and office equipments; garment and textile; paper and printing; wood products; detergent; health care equipment. - Implement economic bonus policies (land lending, credits, tax) for production and consumption of ecolabeled products. Prioritize investment for R&D, purchasing property rights for eco technologies and ecoproducts. - Formulate special policies for technical and economic 	MoNRE/ Ministry of Agriculture and Rural Development, Ministry of Industry and Trade, Ministry of Planning and Investment, PCCs, VUSTA, VCCI, Union of Collectives, Job/professional associations/unions.	State Budget: <input checked="" type="checkbox"/> .

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
		assistance as well as promote all enterprises and individuals to apply hi-tech to market and develop some traditionally green products that Vietnam gets strength such as medical herbs, eco agro-forestry-aquaculture, foods, craft products, goods and textiles made from local materials.		
43	Widely apply cleaner production approach in industry / Technology Innovation, Institutional Improvement / 2013-2020.	<ul style="list-style-type: none"> - Conduct communication, dissemination and expand cleaner production approach for industrial enterprises as well as concerned targeted groups, by 2020 there will be 90% of enterprises aware of cleaner production. - Provide technical assistance on cleaner production in industrial enterprises. By 2020 there will be 50% of manufacturing stations to apply cleaner production approach. - Enhance capacity to implement, consult and instruct to apply cleaner production for enterprises, state management officials and technical consulting organizations. - Complete the institutional arrangement to promote cleaner production in industry 	MoIT/ Ministry of Science and Technology, PPCs of provinces and cities, VCCI, job/professionals associations/unions.	State Budget: <input checked="" type="checkbox"/> . Resources from enterprises and communities: <input checked="" type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .
44	Develop eco-tourism / Restructuring, Institutional Improvement/ 2013-2020.	<ul style="list-style-type: none"> - Complete institutional mechanism, promote investment, developing human resources for eco-tourism development to generate jobs and increase people's income while improve landscape and environment quality in provinces. 	Ministry of Culture, Sports and Tourism/ Ministry of Planning and Investment, Ministry of Agriculture and Rural Development, PPCs of provinces and cities, Vietnam Tourism Associations.	State Budget: <input checked="" type="checkbox"/> . Resources from enterprises and communities: <input checked="" type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
45	Promote reuse and recycle waste in the country / Restructuring, Institutional Improvement/ 2013-2020.	<ul style="list-style-type: none"> - Establish and issue Recycle Law, consider in-country waste as resources, aiming at minimizing waste discharge treatment in the landfill. - Issue policies promoting the development of modern and environmental friendly recycling industries. - Providing technical and financial assistance to modernize recycling activities in craft villages. By 2020, all backward technologies which are harmful to workers' health and polluted in those villages will be removed. - Apply technologies to classify and recycle waste into energy, construction materials and bio-fertilizer in industrial zones and new urban areas. 	MoIT/ Ministry of Natural Resources and Environment, Ministry of Science and Technology, Ministry of Construction, PPCs of provinces and cities.	State Budget: <input checked="" type="checkbox"/> . Resources from enterprises and communities: <input checked="" type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .
46	Promote the production of environment goods and services / Restructuring, Institutional Improvement / 2013-2020.	<ul style="list-style-type: none"> - Making plans for pollution control production and services, environment restoration and improvement, generating more jobs in urban and rural areas. - Improve institutional mechanism to shift environmental production and services from public sector with subsidy to dynamic market based activities with more efficiency. - Localities formulate policies giving priority and support to the development of green sectors, integrated into other development and poverty reduction programs, improving landscape and environment quality. 	MoIT/ Ministry of Natural Resources and Environment, Ministry of Science and Technology, Ministry of Construction, Ministry of Agriculture and Rural Development, PPCs of provinces and cities.	State Budget: <input checked="" type="checkbox"/> . Resources from enterprises and communities: <input checked="" type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .
47	Restoration and development of natural capital resources / Institutional Improvement /	<ul style="list-style-type: none"> - Study and issue economic and financial mechanisms/policies to restore and develop natural capital resources; involve all sectors to invest in eco-infrastructure, conservation areas and restoration of degraded ecologies. - Formulate and implement long term master plans on 	MoNRE/ Ministry of Science and Technology, Ministry of Planning and Investment, Ministry of Finance, PPCs of provinces and cities.	State Budget: <input checked="" type="checkbox"/> . Resources from enterprises and communities: <input checked="" type="checkbox"/> . International Technical Assistance: <input checked="" type="checkbox"/> .

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
	2013-2015/ High.	exploitation, usage, storage and conservation of national top important resources. - Apply intergrated management approach and strengthen managing bodies for river basins and eologies. - Formulate green accounts through valuation of natural capital resources. - Strengthen monitor biodiversity and eco-services.		
48	Improve transportation infrastructure towards sustainable development/ Institutional Improvement , Technology Innovation/ 2013-2020.	- Strengthen investment to upgrade transportation network for water, rail and express ways on the basis of energy saving with high economic and environemntal efficiency and climate resilience to meet the socio-economic development. - Develop transportation network with focuses, linking with economic centers and large scale production through investment in public transport with modern technology and technique	Ministry of Transportation/ Ministry of Planning and Investment, Ministry of Science and Technology, PPCs of provinces and cities.	State Budget: <input checked="" type="checkbox"/> . Resources from enterprises and communities: <input checked="" type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .
49	Improve energy infrastructure towards sustainability / Technology Innovation / 2013-2020.	- Develop electricity sources to assure for enough supply for domestic demand, improving tranmission network and promoting efficient use. - Innovate technologies in production, allocation and imporve effective use of electricity to reduce electricity elasticity/GDP from 2.0 currently to 1.0 by 2020. - Apply modern technologies to improve the quality of tranmission and reduce electricity loss towards smart grids.	MoIT/ Ministry of Planning and Investment, Ministry of Science and Technology, PPCs of provinces and cities.	State Budget: <input checked="" type="checkbox"/> . Resources from enterprises and communities: <input checked="" type="checkbox"/> . International Technical Assistance: <input checked="" type="checkbox"/> .
50	Improve and develop irrigation infrastructure towards	- Improve dyke system to assure for the safety of socio-economic activities, households, transportation to respond	MARD/ Ministry of Natural Resources and Environment,	State Budget: <input checked="" type="checkbox"/> . Resources from enterprises and

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
	sustainability / Technology Innovation, Institutional Improvement / 2013-2020.	<p>to climate change, natural disaster and sea-level rise.</p> <ul style="list-style-type: none"> - Increase investment in irrigation system with modern regulating system to well regulate, supplying and protecting water resources. - Improve productivity of pumping stations; taking advantages of natural flowing irrigation to save energy for pumping. - Building capacity and improve institution to sustainably manage water resources. 	Ministry of Planning and Investment, Ministry of Finance, PPCs of provinces and cities.	communities: ✓. International Technical Assistance: <input checked="" type="checkbox"/> .
51	Widely implement the campaign “Enterprises achieving sustainable development standards”/ Institutional Improvement, Awareness Raising/ 2013-2020.	<ul style="list-style-type: none"> - Include “sustainable development enterprises” standards to the system for evaluation of business activities and social responsibility of corporate. - Promote and formulate the culture of “enterprises for sustainable development” in the business community - Capacity building for management staff of enterprises and organizations consulting on corporate sustainable development standards. 	VCCI/ MPI, MOIT, Vietnam Cooperative Alliance, job/professional associations.	State Budget: <input checked="" type="checkbox"/> Resources from enterprises and communities: ✓. International Technical Assistance: <input type="checkbox"/> .
52	Building capacity for technical and management of green growth; promoting consultancy and assistance activities for enterprises to implement cleaner production; developing the network of technical-	<ul style="list-style-type: none"> - Promote job/professional associations to build their own green growth action plans and campaigns for greening production. - Study and propose policies to develop consultancy enterprises for applying cleaner production and green standards. - Propose policies to develop market for technical consultancy services and green growth management solutions. 	VCCI/ Ministry of Planning and Investment, Ministry of Industry and Trade, Collectives Alliance, Job/professional associations.	State Budget: <input checked="" type="checkbox"/> Resources from enterprises and communities: ✓. International Technical Assistance: <input type="checkbox"/> .

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
	managing services organizations and services market for green growth/ Institutional Improvement / 2013-2020.			
53	Raising awareness for enterprises and sharing domestic and international experiences on green growth / Awareness Raising / 2013-2020	<ul style="list-style-type: none"> - Disseminate and communicate, providing training on green growth knowledge for different targeted groups in enterprises: business owners, technicians and managers, workers and staff and unions. - Organizing experiences sharing activities among enterprises in different sectors and at different scales. - Organizing activities to share and to learn international experiences on green growth implementation 	VCCI/ Collectives Alliance, Job/professional associations, VTV, VoV	State Budget: <input checked="" type="checkbox"/> Resources from enterprises and communities: <input checked="" type="checkbox"/> International Technical Assistance: <input type="checkbox"/>
54	Review and recommend for revision of urban master plans and formulating urban innovation plans according to sustainable standards / Institutional Improvement/ 2013-2020.	<ul style="list-style-type: none"> - Review and recommend for revision of urban master plans by sustainable urban approach. - Formulate renovation programs to ensure that by 2020 cities should attain the average level and above according to the Green City Index. - - Guide to build pilot action plan for building green urban areas in some urban tourism areas (Sapa, Hue, Hoi An, Vung Tau, Đa Lat). Consolidate experiences and dissemination. 	MoC/ PPCs of provinces and cities.	Local State Budget, Resources from enterprises and communities: <input checked="" type="checkbox"/>
55	Improve technical infrastructure in some selected urban areas /	<ul style="list-style-type: none"> - Select and formulate plan for investment to improve technical infrastructure of some international trade focal points, tourism centers, severely downgraded old urban 	PPCs of provinces and cities/ MOC, MPI, MOF.	State Budget and Local State Budget: <input checked="" type="checkbox"/> Resources from

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
	Technology Innovation/ 2013-2020.	to enhance the quality of houses, energy supply, transportation, water supply and sewerage and environmental landscape.		enterprises and communities: ✓.
56	Technique and technology innovation in construction towards greening orientation/ Technology Innovation, Institutional Improvement/ 2013-2020.	<ul style="list-style-type: none"> - Study and issue standards systems on urban planning and architecture, using environmentally friendly green materials and construction measures, energy savings, minimize green house gas and develop appropriate technological solutions to urban waste. - Impose regulations towards investors on compulsory application of green building measures in state-funded works, new commercial buildings and renovations of existing living quarters in urban areas. 	MoC/ MOF, and PPCs of provinces and cities.	State Budget and Local State Budget: ✓. Resources from enterprises and communities: ✓.
57	Encourage the development of green building and construction material industries/ Technology Innovation, Institutional Improvement, Restructuring/ 2013-2020.	<ul style="list-style-type: none"> - Issue technical and economic instruments and policies to encourage and assist enterprises to produce materials, equipments serving the construction and use of constructions according to green technology. 	MoC/ MPI, MoF	Resources from enterprises and communities: ✓.
58	Efficient and effective use of energy in constructions and buildings/Technology Innovation,	<ul style="list-style-type: none"> - Enforce the Vietnam Construction Code “efficient and effective energy use in all construction works” for 100% of new or renovated buildings at the scales under the regulated scope of the Code. - Implement regularly the efficient and effective energy 	MoC/ Ministry of Planning and Investment, Ministry of Finance, Ministry of Science and Technology, Ministry of Natural Resources and	State Budget: ✓. Budget for the National Targeted Program for energy efficiency, Resources from enterprises, consumers:

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
	Institutional Improvement/ 2013-2020.	management in all buildings. - Carry out campaigns for “green works” that save energy in organizations and enterprises nationwide	Environment, PPCs of provinces and cities.	✓.
59	Improve transport in municipalities with the sustainable orientation/ Restructuring/ 2013-2020.	- Invest in renovation and development of transportation infrastructure systems inside the centrally-run cities to achieve the average level of development in comparison with advanced countries in the region. - Use economic instruments and technical standards to control the quantity of individual motorized vehicles. - Allocating routes of special for non-motorized vehicles separate lanes.	PPCs of cities directly under the Centre/ MOT, MPI, MOF.	State Budget: ✓. Resources from enterprises and communities: ✓.
60	Greening urban landscape / Restructuring, Awareness Raising/ 2013-2020.	- Prioritize the allocation of public land to quickly expand the area of green space and water in urban areas meeting standards of area of urban green tree per capital as set for each city grade. - Strengthen the investment and improve institutions to protect and develop public green space and encourage communities, enterprises and households to implement urban landscape greening solutions.	PPCs of provinces and cities/ MONRE, VOV, VTV, Ho Chi Minh Youth Union, Vietnam Women Union, Vietnam Trade Union, Vietnam Elderly Association and other social organizations..	Local State Budget: <input checked="" type="checkbox"/> Resources from enterprises and communities: ✓.
61	Implement the campaign of “Green lifestyle”/ Awareness Raising, Institutional Improvement / 2013-2020.	- Organize diversified communication activities to enhance awareness of social groups about green lifestyle (groups of elder, women, youth, worker, office staff...). - Include standards of civilized lifestyle, consumption saving natural resources, environmental friendly lifestyle in the social values system for human evaluation. - Issue and organize to strictly implement the regulations of the law on implementation of civilized lifestyle and	Ministry of Culture, Sports and Tourism/ Relevant PPCs of provinces and cities, MOET, VTV, VOV, Central and local mass media, HCYU, VWU, VTU, and other social organizations.	Local State Budget: ✓. Resources from enterprises and communities: ✓.

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
		<p>environment protection</p> <ul style="list-style-type: none"> - Disseminate campaign of 3 T (saving, recycle, reuse) by the communities. - Disseminate for people to select appropriate means of transportation, stimulate people to ride bicycle for short distance in replace for motorized means of transportation, starting first with the youth. - Mass organizations conduct campaign of greening house, residential areas working places. 		
62	Implement the campaign on building a model of “Energy saving in each household”/ Awareness Raising, Institutional Improvement/ 2013-2020.	<ul style="list-style-type: none"> - Organize the information and communication to enhance the knowledge on energy saving in the living of all strata of people. - Mobilize social groups to participate in information, communication and application of energy saving measures. 	MoIT/ MONRE, MARD, MOST, EVN, relevant PPCs of provinces and cities, Central and local mass media, Viet Nam Union of Science and Technology Associations, HCYU, VWU, VLF, and other social organizations.	State Budget: <input checked="" type="checkbox"/> National Targeted Program for Energy Efficiency. Resources from enterprises and communities: ✓.
63	Develop new rural model with lifestyle in harmony with environment / Institutional Improvement, Technology Innovation, Restructuring/ 2013-2020.	<ul style="list-style-type: none"> - Rural planning with good living standards, protection and development of landscape and green, clean, beautiful and civilized environment. Replicate housing models in accordance with the climate, local customs, traditions, lifestyle and ecological conditions in each region and ethnic group. - Support to implement ecologically closed production models and models to treat waste from trade/craft village. By the end of 2020, most of rural waste will be collected, treated under environmental standards and classified and 	PPCs of provinces and cities/ MARD, MONRE, MOC, Ministry of Health, Vietnam Farmer’s Union.	Local State Budget: ✓. Resources from enterprises and communities: ✓.

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
		<p>recycled as inputs for generating energy, producing organic fertilizer and construction materials.</p> <ul style="list-style-type: none"> - Implement the goals set by the National Strategy on water supply and rural sanitary towards 2020. - Provide solutions for economic and living constructions actively responding to climate change and proactively preventing impacts of natural disaster. - Improve fuel composition in rural areas to reduce emission and enhance living conditions for rural people. Stimulate and support rural households to commonly use renewable energy sources. 		
64	Public expenditure by green standards / Institutional Improvement / 2013-2020.	<ul style="list-style-type: none"> - Issue regulations on green public expenditure, among which investment and recurrent spending of the state budget should give priority to procurement and use of eco-labeled as well as recyclable goods and commodities. - From 2015, all public investment projects should be implemented under green economy standards: structure of industries, energy consumption, materials and eco-design resilient to climate change. - From 2017, all motorized vehicles purchased by public budget will have to meet emission standard of Euro 4, vehicles using clean fuels (electricity, liquefied petroleum gas) and hybrid vehicles are prioritized. 	MoF/ MPI, MoNRE	State Budget: ✓.
65	Guide and encourage sustainable consumption initiatives in by the people/	<ul style="list-style-type: none"> - Implement the campaign of economical consumption (starting with water, electricity and paper), combating waste, protection and enrichment for natural resources and social wealth. - Apply some economic tools (excise duty, environmental 	PPCs of provinces and cities/ MOF, MOIT, MARD, MONRE, MOH, Vietnam Consumer Protection Organizatio, VCCI.	Local State Budget: ✓. Resources from enterprises and communities: ✓.

Activity No.	Name/Theme ¹ /Time for implementation/Priority	Content	Leading agency/ Collaborating agencies	Financial Resources ²
	Institutional Improvement, Awareness Raising, Restructuring/ 2013-2020.	<p>tax and fees) to regulate unreasonable consumption, starting with products that are harmful to health, culture and environment (alcohol, cigarettes, nylon bags, etc).</p> <ul style="list-style-type: none"> - Monitor the production and consumption of safe foods, encouraging and provide technical assistance for people to implement ecological production models. - Promote the production campaign of “High quality Vietnam goods” in enterprises and campaign of “Vietnamese to use Vietnam goods” by the people. 		
66	Quickly expand the modern information technology application in the management and social life / Institutional Improvement, Technology Innovation/ 2013-2020.	<ul style="list-style-type: none"> - Prioritize to invest in technical infrastructure and issue incentive policies for enterprises in the field of IT to quickly expand the information technology applications in the management and social life, through which save the energy consumption and natural resources, reducing transportation cost and management cost. - Organize to implement working procedures for E-government, organize video conference, work, exchange and provide information, training and education, procurement via internet. 	Ministries of Information and Communication/ Government Agencies, PPCs of provinces and cities, Information Associations, Vietnam electronic enterprises.	State Budget: <input checked="" type="checkbox"/> Resources from enterprises and communities: <input checked="" type="checkbox"/> .

Annex II
LIST OF PRIORITIZED ACTIVITIES IN GGAP FOR THE PERIOD 2014-2020
(Attached to Decision No.403/QĐ-TTg dated 20th March 2014 by the Prime Minister)

Activity	Name/Program/project
1	Organize the Inter-ministerial Coordinating Board for VGGS.
2	Completing the institutional framework to enhance the economy restructuring process in accordance with VGGS.
3	Formulate the green growth financial policy framework.
4	Raising awareness and involving wide participation of all the people in VGGS implementation.
6	Formulate local GGAP in some provinces and cities. Synthesize and Disseminate best practices.
9	Review and revise the national energy strategy and policies to pursue green growth direction.
16	Improve energy management capacity in industries and constructions.
26	Formulate and implement policies that give priority to develop clean energy sources.
28	Complete the legal foundation for clean air. Conducting inventory and monitor GHG emission as well as managing GHG mitigation activities.
29	Review and recommend for revision of socio-economic development master plans under the light of sustainable development and formulate the project to restructure the economy towards green growth for the period 2014-2020.
30	Review and recommend for revision of sectoral development master plans under the light of sustainable development and formulate policy framework as well as green growth action plan for the industry sector in the period 2014-2020.
31	Review and recommend for revision of sectoral development master plans under the light of sustainable development and formulate policy framework as well as green growth action plan for the agriculture, forestry and aquaculture as well as rural development in the period 2014-2020.
32	Review and recommend for revision of sectoral development master plans under the light of sustainable development and formulate policy framework as well as green growth action plan for the transportation sector in the period 2014-2020.
33	Review and recommend for revision of sectoral development master plans under the light of sustainable development and formulate policy framework as well as green growth action plan for the construction sector in the period 2014-2020.
34	Review and recommend for revision of sectoral development master plans under the light of sustainable development and formulate policy framework as well as green growth action plan for the natural resources and environment sectors in the period 2014-2020.
35	Review development strategy and master plans for science and technology under the light of sustainable development and formulate policy framework and action plan for developing science and technology to meet the demand of the economy for green growth in the period 2014-2020.
36	Support and encourage R&D for applying green technology.
37	Improve the institutional arrangement and capacity of financial and credit activities of

Activity	Name/Program/project
	commercial banks to promote green growth.
39	Against land degradation and sustainably efficient use of land resources.
40	Sustainably efficient use of water resources.
41	Sử dụng tài nguyên khoáng sản hiệu quả và bền vững.
42	Encouraging and supporting rapid development of eco-products manufacturing industries.
47	Restoration and development of natural capital resources.