

# Survey on Environmentally friendly product/service and Green Purchasing to Tackle Climate Change

## 1. CONTEXT

Climate change presents the global significant challenge people faced at present. Since the Kyoto Protocol issued in December of 1997, the Paris Agreement builds on the UN Framework Convention on Climate Change, provide the post-2020 global climate action, achieving the primary goal-to keep the average global temperature rise well below 2C degrees and as close as possible to 1.5C above pre-industrial levels, bringing all nations into a common cause to reduce greenhouse gas emissions rapidly and to strengthen the ability of countries to build resilience and adapt to the impacts of climate change, including through ensuring adequate support for developing countries.

Climate change directly influence the natural resources and ecological system, and it is the single biggest threat to sustainable development as its widespread, unprecedented impacts disproportionately burden the poorest and most vulnerable. At the United Nations Conference on Sustainable Development ("Rio+ 20"), common agreement was made to take measures tackle the climate change promote sustainable development. The climate change target was officially embedded in the 2030 Agenda for Sustainable Development, that is the SDG13 "Take urgent action to combat climate change and its impacts" (\* Acknowledging that the United Nations Framework Convention on Climate Change is the primary international, intergovernmental forum for negotiating the global response to climate change). Pursuing climate action and sustainable development in an integrated and coherent approach steadily emerged into the implementation which enable countries to achieve their objectives efficiently and quickly.

As the leading region for global climate action, the <European Climate Law> was firstly issued by EU Commission in June 2021, legally set "a 55% greenhouse gas emissions reduction target by 2030 compared 1990, and achieve net-zero-emission by 2050". Relevant regulations were issued in Asia Pacific region, such as <Propulsion method of global warming countermeasures > in Japan; <Climate Change Act> in Netherlands and the Philippines; <Basic Law on Climate Change Countermeasures> and<Basic Law for low-carbon and green growth> in Korea. So far, regulations and policies include tackle climate change, GHG emission control, low carbon green development and carbon tax etc. are issued in about 20 countries and areas.

Additionally, the fact which should not be neglected, the offset mechanism of carbon emission has been continuously developed, various economic means and measures have emerged gradually, such as carbon sink, carbon compensation, carbon credit, etc. Meanwhile, the acceleration of technology innovation is continuing change the method of producing and life style since the Kyoto Protocol issued. Along with the development of technology, new materials, new production methods, automation methods, new energy and other products/services are constantly aroused and generated, which also

provides fundamental technological basis to pursue the goals of the Paris Agreement on climate action. It would be predicted that the approach to tackle the climate change has gradually expanded from energy conversion to all aspects for production and consumption and life style of human beings.

The impact of green purchasing has long been, and remains, in every aspect varied from the energy consumption to quality of life, which is broad and profound as well. The report of <Green Purchasing Network- A Landscape of Practice to Achieve Sustainable Consumption and Production> conducted by the International Green Purchasing Network-IGPN, shows that green purchasing is not only the individual sector, but also in the public sector through the whole supply chain. Accordingly, Green purchasing will pay an important role to tackle the climate change, by promoting sustainable consumption and production based on its applied scenario varies in private, business, market and public sectors, and synergize with the relevant economic measures.

## 2. Objective, Scope, Output and Timeline

### 2.1 Objective

The aim of this survey is to share knowledge among IGPN members, provide suggestion for the implementation by using climate action and sustainable consumption and production in an integrated and coherent approach, through the collection, comparison and analyzation, evaluation and summarization of the real practical practices of environmentally friendly products/services (and/or) green purchasing in addressing the climate change issue. The following aspects are mainly included:

- 1) Identify policies, measures and instruments for green purchasing (and/or environment-friendly goods/services) in different countries or areas in addressing the climate change issue;
- 2) Confirm the real practical practices of different countries or regions in applying environmentally friendly goods/services (and/or green procurement) in addressing the climate change issue;
- 3) Share knowledge among IGPN members, provide suggestion for the implementation by using climate action and sustainable consumption and production in an integrated and coherent approach

### 2.2 Scope

- 1) Including, but not limited to, members of the International Green Purchasing Network-IGPN
- 2) Any actual practical practice technically included in the following chart:

Sector	Environmentally friendly products/services	Green Purchasing
<input type="checkbox"/> Producing and manufacturing <input type="checkbox"/> Energy and transportation <input type="checkbox"/> Planting and breeding	Products/services which adopt new energy sources, new materials, new production methods and automation methods, including but not limited to:  <input type="checkbox"/> Steel, Cement, Glass, Ceramic, or alternative materials, building etc.;	Policies, measures, methods and real practical practices relevant to use green procurement tools to address climate change, including but not limited to:  <input type="checkbox"/> Policy: Law, regulation, requirement, notice in national, industry or local level (including purchasing, producing or



<input type="checkbox"/> Cooling and heating	<input type="checkbox"/> Vehicle, ship, plane or relevant transportation tools, fuel and fuel oil, new business model etc.; <input type="checkbox"/> Food, Fertilizer etc.; <input type="checkbox"/> Cooling appliance/ systems, heating appliance/systems etc.	lifestyle addressing climate change issue etc.) <input type="checkbox"/> Economic instrument/measures: financial, trade, tax, combination of procurement and carbon offsetting such as carbon tax, carbon credit or others; <input type="checkbox"/> Purchasing approach: standard, guidance, pilot or others; <input type="checkbox"/> Private sector: practice in retail, e-business, life style or others
--	---	---

### 2.3 Expected Output

A research report will be conducted to summarize the inner characteristics and logic though all kind actual practices collection, comparison, evaluation. Relevant suggestions will be provided to formulate systematic approach on sustainable consumption and production to addressing climate change in a synergistically manner.

The final report will be compiled, edited, analyzed and summarized by the IGPN Secretariat. All the stakeholders will be shown in the report, the final report will be opened on line by the IGPN website or relevant website including the UNEP One Planet network or others.

The collection scope includes but is not limited to IGPN members, participants who are external from the IGPN may also have the privilege to get the final research report as well as the IGPN members.

### 2.4 Timeline

Time	Content	Scope
August, 2021	Launch and initiative	International Green Purchasing Network And/or Asia Pacific Green Public Procurement Network And/or One Planet Network Sustainable Public Procurement Programme
By March.30 <sup>th</sup> ,2022	Collection and submission	
By June 30 <sup>th</sup> ,2022	Draft first version of report	
By August 30 <sup>th</sup> , 2022	Solicit suggestion and discussion	On-line/Off-line



By September 30 <sup>th</sup> , 2022	Final version report	
By October 31 <sup>st</sup> , 2022	Release report	International Green Purchasing Network And/or Asia Pacific Green Public Procurement Network And/or One Planet Network Sustainable Public Procurement Programme

### 3. Template

Please use the template to share your any actual practical approach addressing the climate change.

One or more items preferably could be highly encouraged to provided based on the actual background by each organization.

Please use the completed form below or send it via email to [igpn.secretariat@igpn.org](mailto:igpn.secretariat@igpn.org).

#### Annex:

Survey Templet of Environmentally friendly product/service and Green Purchasing to Tackle Climate Change

**Annex:**

**Survey Templet of Environmentally friendly product/service and Green Purchasing to Tackle Climate Change**

1. Name:
2. Scope and sector

Sector	Environmentally friendly products/services	Green Purchasing
<input type="checkbox"/> Producing and manufacturing <input type="checkbox"/> Energy and transportation <input type="checkbox"/> Planting and breeding <input type="checkbox"/> Cooling and heating	<p>Products/services which adopt new energy sources, new materials, new production methods and automation methods, including but not limited to:</p> <input type="checkbox"/> Steel, Cement, Glass, Ceramic, or alternative materials, building etc.;	<p>Policies, measures, methods and real practical practices relevant to use green procurement tools to address climate change, including but not limited to:</p> <input type="checkbox"/> Policy: Law, regulation, requirement, notice in national, industry or local level (including purchasing, producing or lifestyle addressing climate change issue etc.) <input type="checkbox"/> Economic instrument/measures: financial, trade, tax, combination of procurement and carbon offsetting such as carbon tax, carbon credit or others; <input type="checkbox"/> Purchasing approach: standard, guidance, pilot or others; <input type="checkbox"/> Private sector: practice in retail, e-business, life style or others

3. Context

An overview description in macro, medium and micro level of the country or area you located, including but not limited to the following:

- 1) What kind of policies, targets, action plans, guidelines, notifications, regulations or requirements have been developed for addressing climate change through green purchasing, products, production and lifestyles?
- 2) When were released? By what kind of organizations?



- 3) What are the core elements of using green purchasing, products, production and lifestyles to address climate change?
- 4) Has it been integrated into the concrete action or started to implement?

4. Approach or method (please describe in detail as possible)

This aspect mainly describes the adoption of the selected items in the table above, including but not limited to the following:

- 1) The working basis and market readiness;
  - 2) The applied scope;
  - 3) The primary principles;
  - 4) The implementation mode;
  - 5) The start time and the implementation body.
5. Output and result (if not have measurable output, please describe the process and periodical update only)
  6. Challenge faced
  7. Future prospect
  8. Organization and contact details

( Please provide the link as for the policy, standard, requirement or specification )