THE ROLE OF IP IN PROVIDING SUSTAINABLE AGRICULTURE AND FOOD SYSTEM IN THE CONTEXT OF CLIMATE CHANGE

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The agricultural country with big population - increasing rapidly

Agriculture is an important economic sector - considered as Pillar of the country

The Strategy to develop agriculture and rural for the period 2021 – 2030, vision 2050 (28th Jan 2022): “To develop agriculture toward modern, sustainable and highly competition ability”.

IP is an Important Role as a Tool for reaching the purpose mentioned above.
Sustainable agriculture and it’s challenges in VN

- Sustainable Agriculture: To provide sustainable solutions for the current demand of the society but not impact to able providing the needs for the future generations

- Challenges:
  - The population is increasing by about 1 million/year
  - Industrialization and urbanization – bad impact on the environment: regression of plant genetic resource
  - Climate change – Difficult for farming in many areas
The Role of IP: To mobilize the social resources

- IP encourages all people from different sectors to be the Creator

**Farmer/Creators:** Rice Transplanting / Corn grain separator / Onion slicing machines

**Farmer/Breeder:** Rice / Longan / Pomelo...

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**Specialization of the chain from breeding to exploitation of the Right**

- Breeders
  - Good professional distribution system
  - License
  - Royalty

- Company

- Farmer

**Graph:**
- No of VN’s New Plant Varieties (2004-2022 = 1742)
- 884
- 576
- 68

- Individual (Grower and others)
- Researcher
- Company
- Public Research Institutes
- Universities

**Notes:**
- Good service for the farmer;
- Better seed quality due to professional
New Varieties suitable for the current situation of the country

- Adaptability in an Inconvenience Environment when climate changes
  - Drought/Flooded/Salinization by sea level increase.
  - Diseases/insects tolerance varieties

- Diversify the products for Customers
  - Functional Food
  - Medicinal plants

- Contribute to the conservation of PGR and Livelihood for ethnic minorities in mountainous rural areas
  - New varieties from wild species which are declined

Production of medicinal plants by ethnic minorities
Productivity and quality are improved by new varieties

New varieties of Rice, Corn and Sweet potato contributed 8% of the agricultural GDP of Vietnam – PVP encourage to create of new Var ("An ex-post assessment on plant breeding and agriculture productivity after ten years", HFFA Research GmbH, Berlin April 2017).

ST25: Best quality in the world - 2019

- Exported price is higher in the global market (3 times compare to the normal rice) – Farmer’s income increased by using new varieties with high quality.
To receive new technology

- New varieties from advanced countries are introduced
- New technology is introduced
- Opportunity to increase income for farmers:
  - More jobs/Ability to export new products at a good price
One Commune One Product (OCOP) – Big program of the Government

- Until 31st December 2022: 8,689 Products from 3 stars up
- 4,479 Owners (Company/Cooperative/Individual/…).
- IP is one of the criteria for the evaluation of the product
- The fact showed that the products with high IP content will be high value, popular in the social.

“ANTRA” DECORTICATED RICE

- Copy Right (Special production)
- Brand name
- Industrial Design
- Geographical Indication (GI)
- Protected variety (PVP)
Income of farmer increased: Big contribution from IP

Income/head in Rural area from 2002 - 2021 (USD/month), GSO