

Role of Plant Breeding in combating climate change

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Climate change will lead to new production conditions

- ▶ Prolonged drought
- ▶ More saline soils
- ▶ New diseases in the new environment
- ▶ Other requirements for the nutrition of the crops

How can plant breeding contribute to overcome these challenges

- ▶ Crops that are heat resistant
- ▶ Crops that can grow under saline conditions
- ▶ Crops that are resistant to diseases and pests
- ▶ Crops that use nutrients more efficient

New innovations in breeding techniques require coordination of legislation

- ▶ Plant breeding is a innovative industry
- ▶ Biotechnology is an important tool (CRIPR/Cas is a very promising technique)
- ▶ Coordination of legislation and regulations in different countries is needed

IP system: Plant breeders' Rights

- ▶ Access to new plant varieties: A Plant Breeders' Right system is needed
- ▶ UPOV system is the standard worldwide
- ▶ For developing countries the provisions for “private and non commercial use” are important.

Patents for plant parts and plant properties

- ▶ Plant Breeders' Rights: access to the genetic material of the protected varieties is allowed
- ▶ Patents: access to patents, covering biological material (plant parts or plant characteristics) is prohibited.
- ▶ A lot of discussions and criticism because of accessibility of genetic material



International Licensing Platform Vegetable offers a solution to overcome problem of accessibility to genetic material

- ▶ Vegetable plant breeders have come up with a solution for this friction
- ▶ Incorporation of ILP Vegetable in November 2014
- ▶ All important vegetable breeding companies of the world are member of ILP Vegetable (except Bayer-Monsanto)
- ▶ Members of ILP Vegetable have guaranteed access to patents, covering biological material of the other members
- ▶ Free access but not for free, so you have to pay fair and reasonable costs

Baseball arbitration

- ▶ System of Baseball arbitration is a very innovative licensing system
- ▶ This licensing system guarantees a reasonable price for access to a patent.
- ▶ It starts with bilateral negotiations
- ▶ If no agreement is reached, the case is put to arbitration by independent experts
- ▶ Both parties submit their license proposal to the independent arbitrators
- ▶ The arbitrators choose for the most reasonable proposal
- ▶ This system guarantees that a reasonable price for a patent is paid



WELCOME TO ILP VEGETABLE

The International Licensing Platform for vegetable plant breeding

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WHAT IS ILP VEGETABLE?

ILP Vegetable's main objective is to guarantee worldwide access to patents that cover biological material for vegetable breeding.



ORGANISATION

Eleven breeding companies were the founding fathers of the ILP Vegetable. The association is open for all other interested parties to join.



PATENT REGISTER

The ILP Vegetable provides a straightforward, easy way for vegetable breeders to license the traits they need.



LICENSING SYSTEM

The ILP Vegetable Licensing System is innovative, simple, transparent and cost-effective.