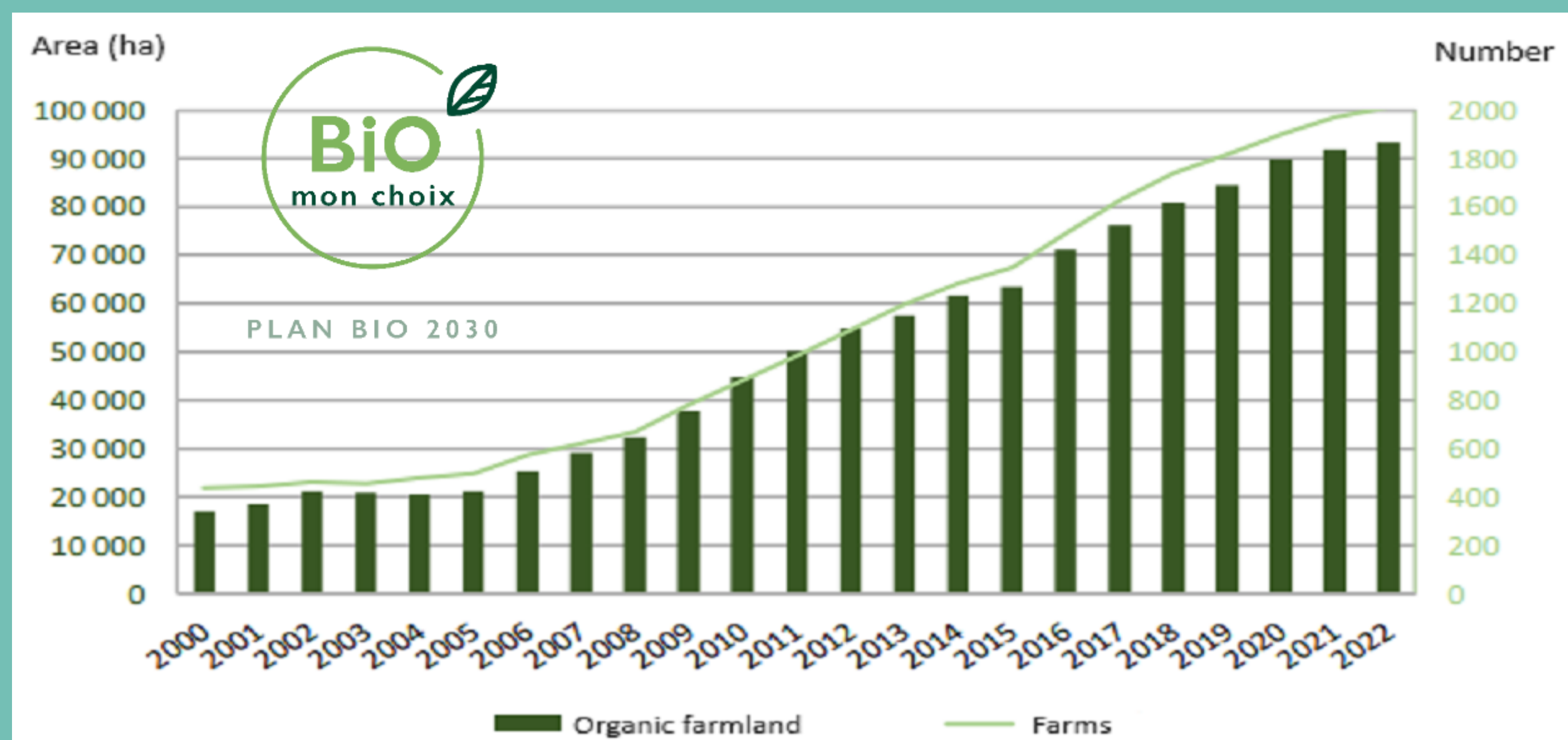


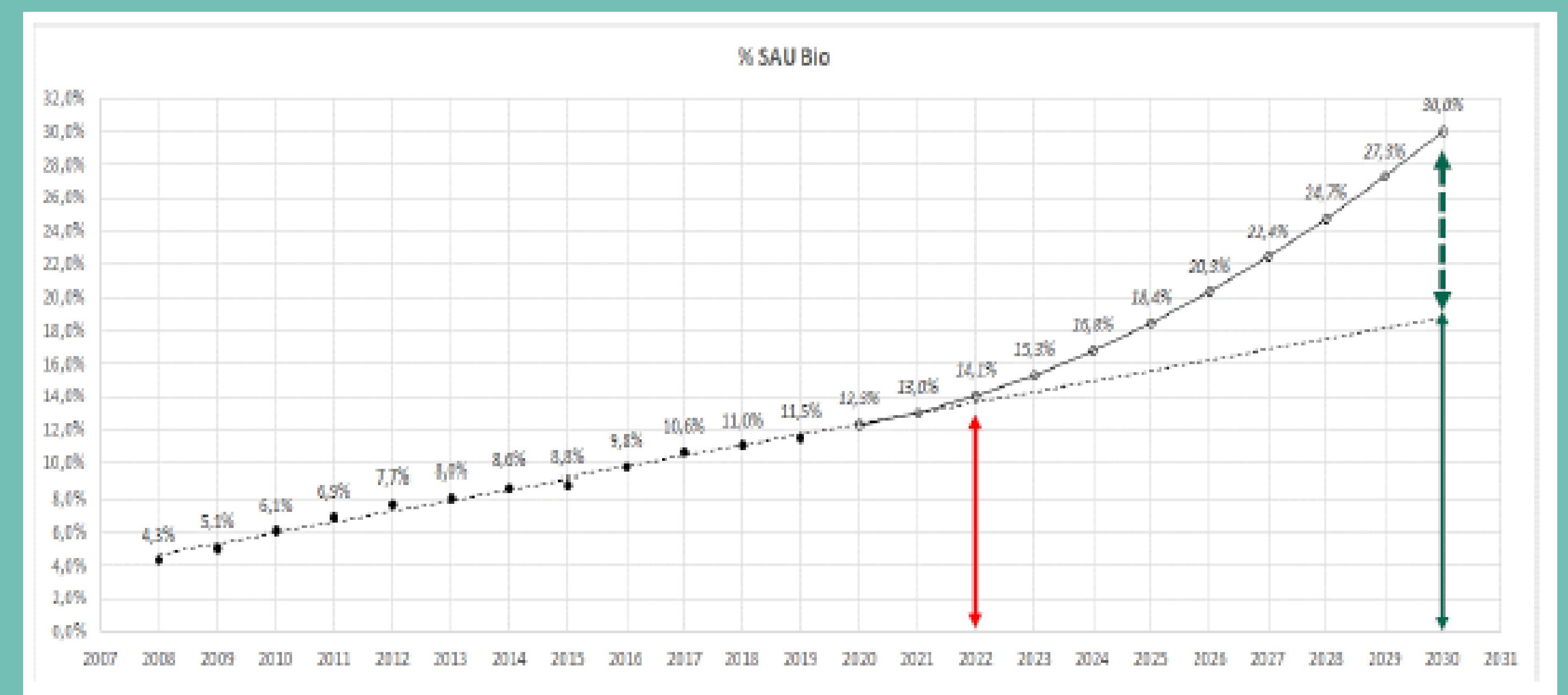
Organic agriculture perspectives in Walloon Region (Belgium)

At Walloon regional level – Regional Plan for Organic Production Development 2030:

Evergrowing farmland area (12,7%) and organic farm number (16%):



The Walloon Organic Farming Plan 2022-2030, targeting 30% organic UAA in 2030:



Budget: 30 millions euros

Strategic targets:

- ❖ To Increase both organic products offer *and* demand
- ❖ To act on transformation, distribution and commercialization
- ❖ To build knowledge and skills in organic farming

Main general actions:

- Acting of organic regulation
- Informing and increasing awareness of consumers
- Supporting producers in their conversion
- Supporting the dvlp of the whole organic sector
- Including organic farming in teaching programs
- Developing organic research

7 ongoing research projects since 2023:

- BioCorSeeds:** Development of new repellents solutions used as seed protection against corvids in organic maize crop.
- PréFertiBio:** Fertilization of crops in organic farming with products from temporary grassland mowing
- Astippor:** black soldier fly maggots as an alternative protein source in post-weaning piglet nutrition
- BioCoCrop:** Co-cropping to control weeds in organic farms
- Lipomme Bio:** New Organic biocontrol products controlling apple diseases « Bee-friendly »
- AdinBio:** dvlp of biofungicides against downy mildew agents and ascomycetes plant pathogens whose formulation uses biobased additives.
- ASSOBio:** intercropping practices to support protein crop development in organic sector

And also: *Terrae* project:

The Walloon Agri-environmental Transition Plan (2022-2026, 6 millions euros, 8 actions) fanny.boeraeve@spw.wallonie.be, arnaud.stas@spw.wallonie.be



Long term Organic Production Research at CRA-W

(1 Million €)

Principles - combination between : (i) Original long term research; (ii) « Systems » approaches; (iii) Applied participative researches focused on « gaps of knowledges » ; (iv) European projects.

1. Long term organic systems comparison trials on

- 1.1. **Arable crops** – SYCBIO (5 ha) - 3 contrasted systems
- 1.2. **Vegetables** – SYCMA (5 ha) - 5 contrasted systems
- 1.3. **Mixed farming and livestock systems** – SPOT (25 ha)

2. Organic Soil fertility studies :

- 2.1. **Temporal monitoring** of the physical, chemical and biological fertility of soils
- 2.2. 'MICROSOSILSYSTEM' project : impact studies on soil microbiomes consortia & mycorrhize

3. Organic Plant Breeding for more robust & disease tolerant cvs.

- 3.1. **Participative organic fruit breeding** using old local cvs as more robust parents (NOVAFRUITS) (see EU InnOBreed project).
- 3.2. **Participative organic wheat breeding:** CCP's
- 3.3. **Breeding spelt, wheat, durum wheat, potato** for organic production

4. Multilocal organic variety testing trials :

- 4.1. Network trials comparing cereal cvs. : **wheat, spelt, triticale, durum wheat**
- 4.2. Trial comparing 30 **more robust potato cvs.**
- 4.3. Trans-border trial of 125 **apple & 30 pear cvs.**
- 4.4. Testing **more robust apple & pear rootstocks**
- 4.5. Testing **more robust fruit cvs in diversified non sprayed systems** : agroforestry, orchard meadows, poultry/orchards,...

5. Research on socio-economical & durability factors

- 5.1. User-friendly software for economical & environmental factor monitoring – <https://tresoferme.be>
- 5.2. **Life Cycle Analysis** of different **meat chains**
- 5.3. User-friendly **software** for farm 'Greenhouse Gaz' – GHG - monitoring: "DECIDE".

6. Alternative organic plant health control

- 6.1. C-IPM Api-Tree project & INTERREG « Zero-Fyto- Fruit & Vegetables » : Research on Pesticide-free fruit control methods



7. InnOBreed : example of an integrated multi-actors, multi-traits project:

- 7.1. HORIZON-CL6-2021-BIODIV-01-14 – Fostering organic crop breeding . "Innovative Organic fruit Breeding and uses" **InnOBreed**.

