

# Public Private Partnership

Living Seeds – Sementes Vivas SA and INIAV

Seeds and More

Portugal



# INIAV'S GLOBAL MISSION

- Applied Research
- Scientific and Technical Support
- Laboratorial Services

## State Mission:

- National Reference Laboratories (NRLs)
- Genetic Resources Conservation:
  - **Portuguese Animal Gene Bank (BPGAn)**
  - **Portuguese Plant Germplasm Bank (BPGV)**
  - **National Collections of Reference**

Banco Português de  
Germoplasma Animal



# WHERE WE ARE...



## Headquarters

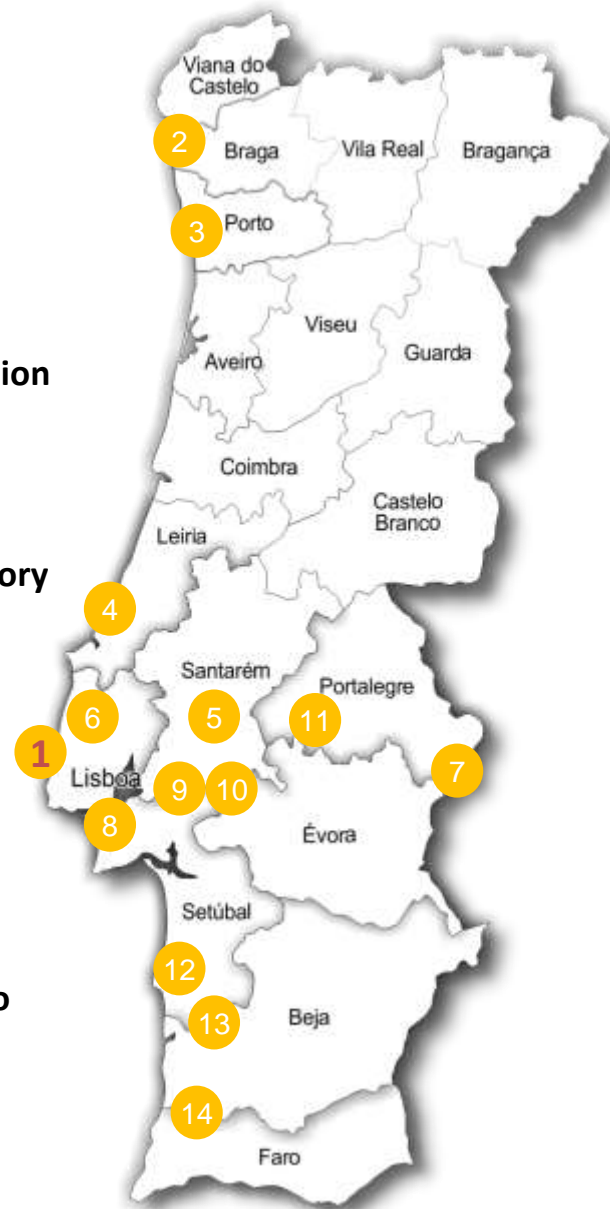
- 1 **Campus Oeiras**  
Quinta do Marquês - Oeiras

## Decentralized Centers

- 2 **Braga Laboratory**  
**Portuguese Plant Germplasm Bank (BPGV)**
- 3 **Vairão Laboratory**  
Vila do Conde
- 4 **Alcobaça Experimental Station**
- 5 **Santarém Experimental Station**  
**Portuguese Animal Gene Bank**  
Quinta da Fonte Boa - Vale de Santarém
- 6 **Dois Portos Experimental Station**
- 7 **Elvas Experimental Station**
- 8 **Agricultural Chemical Laboratory Rebelo da Silva**  
Lisbon - Tapada da Ajuda

## Experimental Farms

- 9 **Salvaterra Experimental Station**  
Salvaterra de Magos
- 10 **António Teixeira Experimental Station**  
Coruche
- 11 **Alter Genetic Laboratory**  
Tapada do Arneiro - Coudelaria de Alter  
Alter do Chão
- 12 **Monte dos Alhos**  
S. Domingos da Serra
- 13 **Watered Cultures D. Manoel de Castello Branco**  
Alvalade do Sado
- 14 **Fataca**  
Odemira



# APPLIED RESEARCH AND INNOVATION ADDED VALUE FOCUS



## INTERFACE FOR INNOVATION

Research at INIAV has as its mission the generation of knowledge within the framework of the government's strategic policies for sectorial development, on agronomic and veterinary areas

# LIVING SEEDS – SEMENTES VIVAS SA

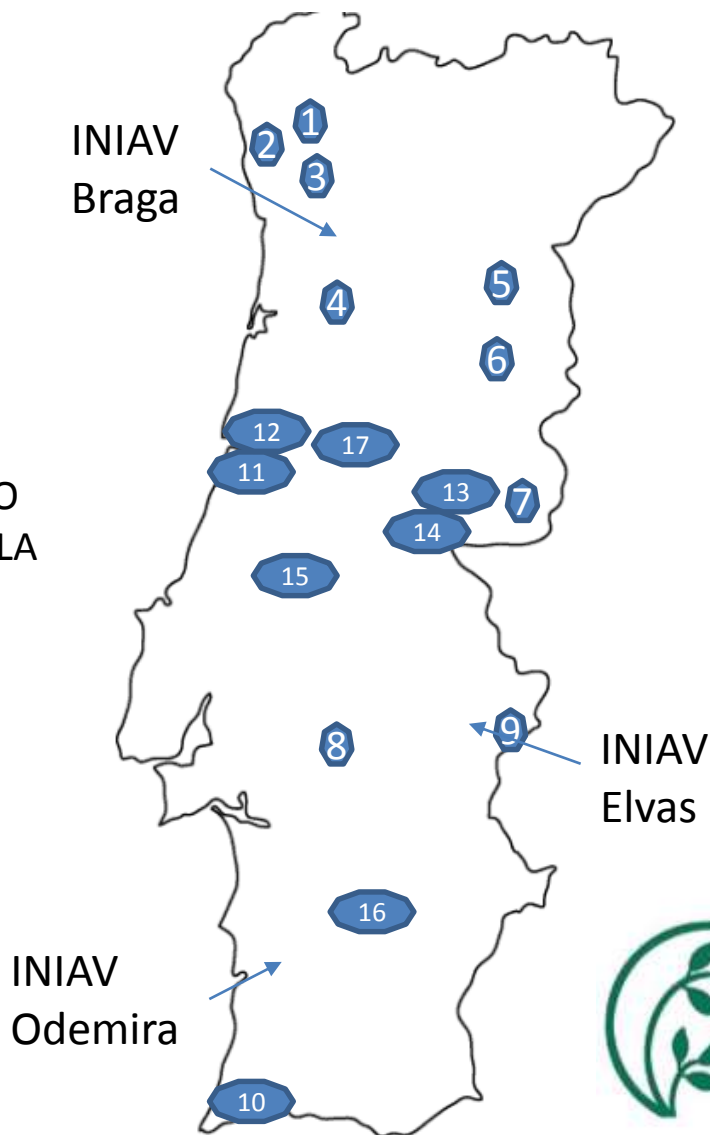
Participatory seed company LIVING SEEDS – SEMENTES VIVAS with participation of management, farmers and growers. Ownership structure is similar to a foundation, not for sale.

- Organic and biodynamic seed production company for vegetables, herbs, flowers, pseudo-cereals, cereals
- Own farm for seed production, seed trials and plant breeding
- Producer organisation candidate (organização dos produtores)
- Adapted seed base for organic and biodynamic agriculture transparent, local resources, fair trade and national brand
- Initiated many organic and sustainable project in the region and Portugal (organic waste, A Beira-Hortas Bio, organic fair, Waldorf School,...)



# Locations in Portugal of Multiplication of organic and biodynamic seeds

- 1 — EARTH ESSENCES
- 2 — SOC. AGRÍCOLA DO MINHO
- 3 — QUINTA PORTA DO COVELO
- 4 — ERVITAL
- 5 — QUINTA DA PRECIOSA
- 6 — DOMÍNIO VALE MONDEGO
- 7 — Living Farms QUINTAS VIVAS
- 8 — HERDADE DO FREIXO DO MEIO
- 9 — PABLO CASALLO SOC. AGRÍCOLA
- 10 — VINHA VELHA
- 11 — ANA LÍDIA BATISTA
- 12 — FOZ DOS AROMAS
- 13 — ARTUR LOPES
- 14 — VALE DA SARVINDA
- 15 — QUINTA DO ALECRIM
- 16 — MONTE DO PARDIEIRO
- 17 — ESAC-IPC



# Portugal Facts

- Portugal imports 90 % of hybrid and industrial seeds (Euro 85m/a)
- LSSV, founded in July 2015, is the only professional organic seed company in Portugal and Spain
- LSSV is aiming for a 10% seed market share of Portugal
- In the process of setting up a daughter company in Spain in 2017
- Knowledge and seed multiplication exchange with

Bingenheimer Saatgut AG, Germany

Sativa Rheinau AG, Swizertland

De Bolster Ltd, Netherlands



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# Why PPP?

- INIAV
  - focused on cultural seeds
  - As a Ministry of Agriculture State laboratory saves seeds and knowledge and generates knowledge over generations
  - High reputation and international recognition
- LSSV
  - Entrepreneurial
  - Commercial, market knowledge and time to market
  - International relationships to other seed companies and research institutions

## Joint Partnership

Seed support of multiplication

Trials and Plant Breeding (Liveseed, Convigna, .....)



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# Joint PPP Projects

- **Horizon 2020 - Improve performance of organic agriculture by boosting organic seed and plant breeding efforts across Europe (Liveseed)**
  - with 32 European partners
  - Working Package 3 plant breeding of Brassica oleracea
- **Operational Groups - Consociação de milho com feijão-frade como uma técnica sustentável de adaptação da produção deste cereal às alterações climáticas em Portugal (CONvigna)**
  - Intercropping project of maize and cow pea (feijão frade)
- **Joint Protocol**
  - To develop the top 10 crops of Portugal to higher quality standard (vegetables and lupines)
  - Plant breeding and selection programs



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# contact

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