



The Centro Region of Portugal

A brief framework

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THE CENTRO REGION OF PORTUGAL



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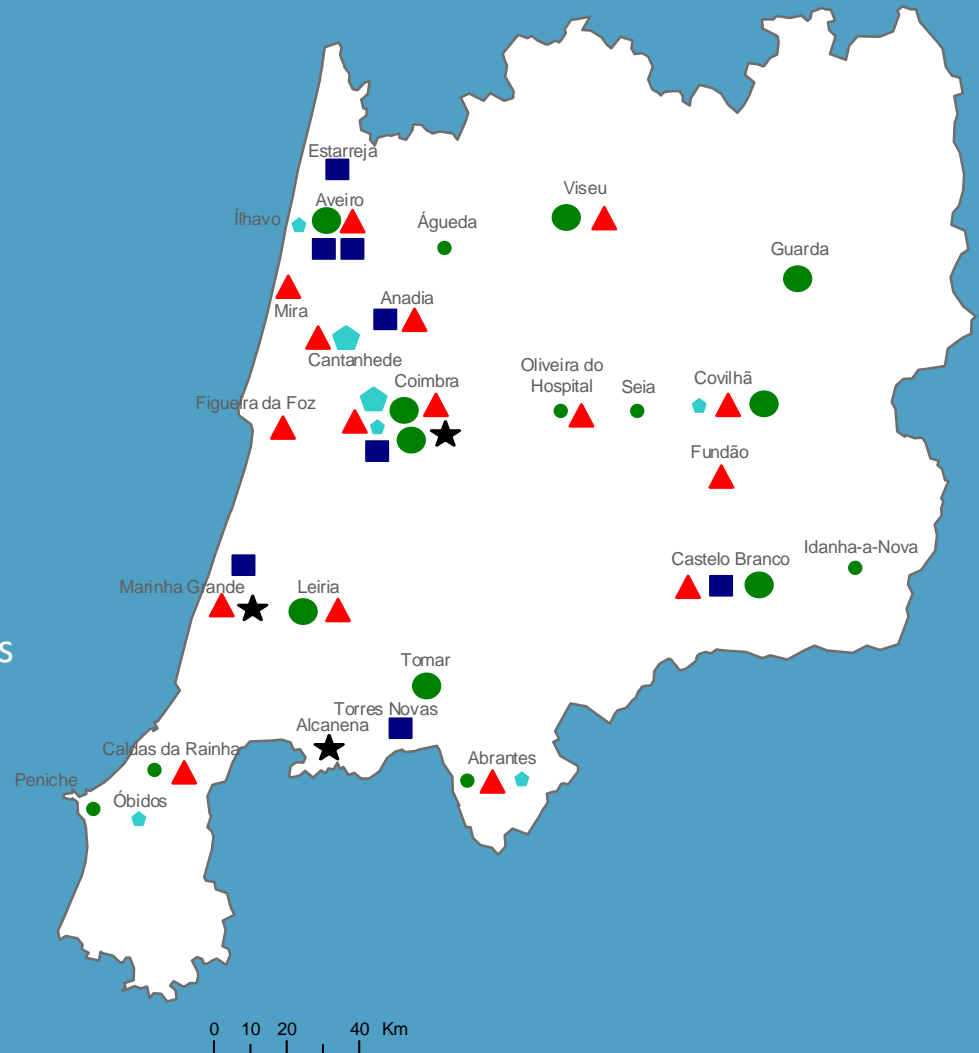


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- 9 public higher education institutions
 - ★ 3 technology transfer centres
 - ▲ 16 business incubators (in a network)
 - ⬠ 7 science and technology parks
 - 3 clusters and 5 poles of competitiveness
- + 245,000 companies
- + network of medium-sized cities



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Nazaré's wave

THE CENTRO REGION OF PORTUGAL

- ✓ Population (2017): $2,2 \times 10^6$ inhabitants
- ✓ Area: 28,200 km²
- ✓ Gross Domestic Product, GDP (2016): 35.3×10^9 euros
- ✓ GDP *per capita* (2016): 15,677 euros
- ✓ GDP in PPS per inhabitant (2016) (UE28 = 100):

% of Portugal

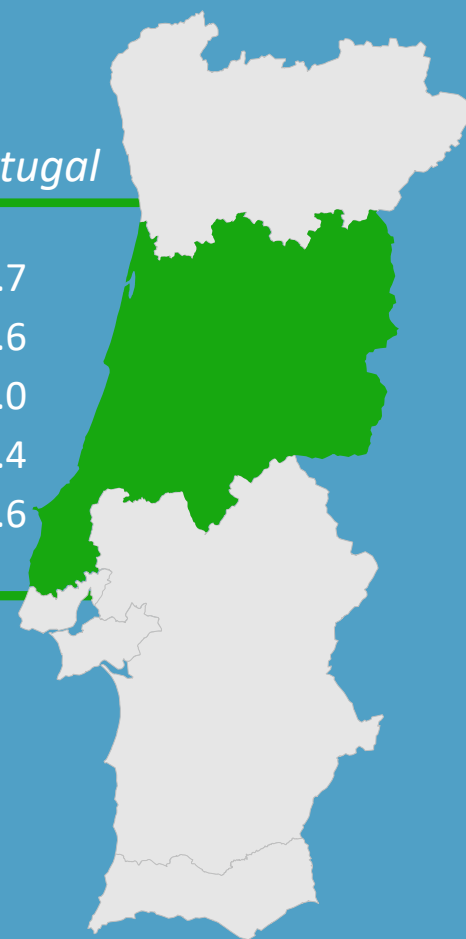
21.7

30.6

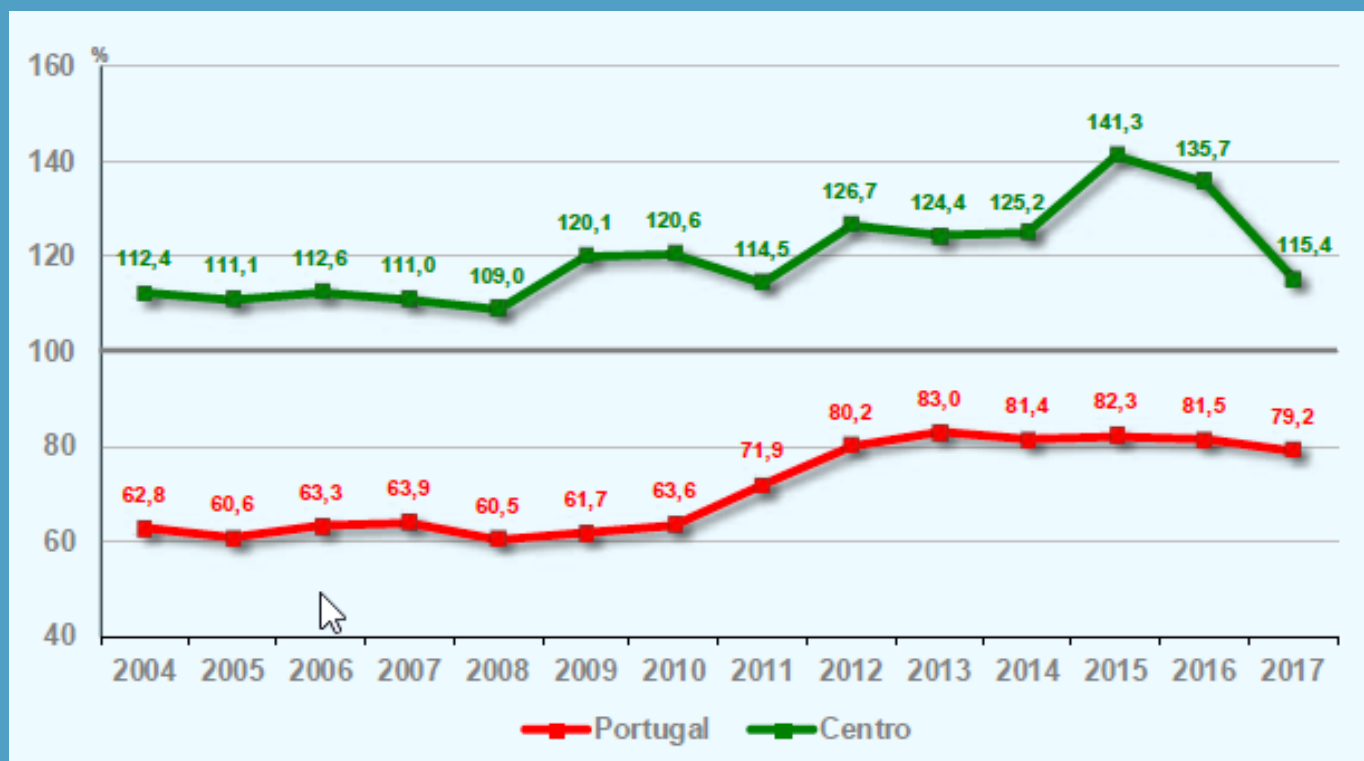
19.0

87.4

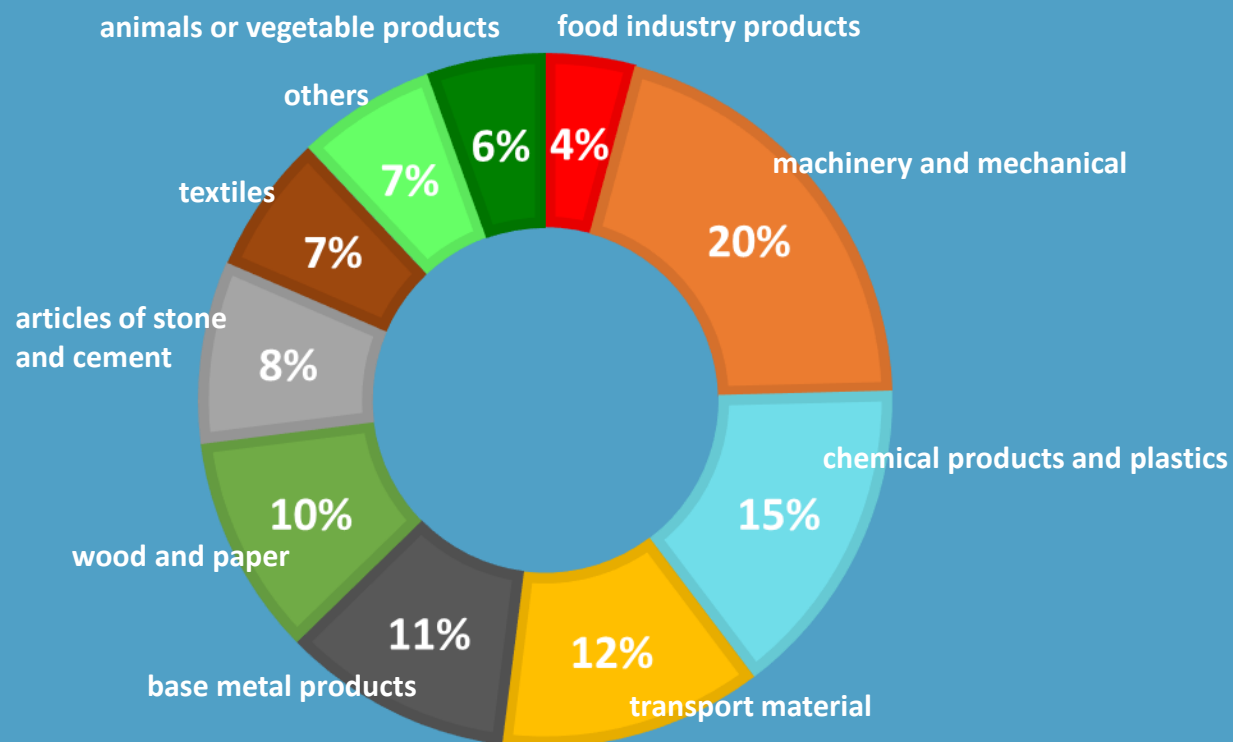
67.6



Coverage rate of import and export goods in **Portugal** and in the **Centro**



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*Exports profile of Centro of Portugal
by tipe of goods*

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REGIONAL STRATEGY - THE RIS3

This strategy (RIS3) in Centro of Portugal were defined with 4 innovation hubs, based in 8 thematic domains and with 4 cross cutting priorities.

1. Sustainable industrial solutions

2. Valorization and efficient use of natural endogenous resources

3. Technology supporting quality of life

4. Territorial innovation

Forest

Tourism

Materials

ICET

Agriculture

Sea

Health

Bio
technology

Cross cutting priorities

Sustainable resources

Energy efficiency

Territorial cohesion

Internationalization

REGIONAL STRATEGY - THE RIS3

HUBS AND THEMES IN RAW MATERIALS

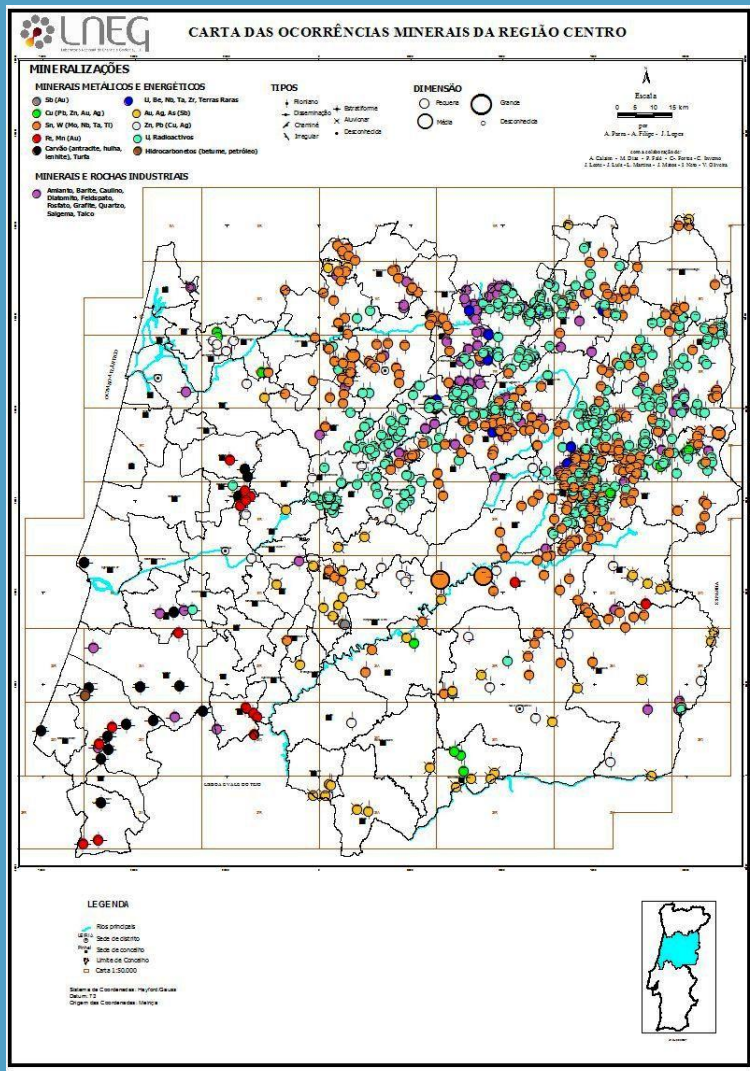
1. Sustainable industrial solutions

- Promotion of projects that will lead to an efficient use of resources (energy, water and materials) including decarbonization and reducing other impacts as well as **the valuation of mineral resources in the region**;
- Recycling, reuse and recovery of waste and by-products as **secondary raw materials**, including industrial symbiosis.

2. Valorization and efficient use of natural endogenous resources

- **Promotion of study and research initiatives of the geological resources of the region**;
- **Promotion of enhancement projects of geological resources of the region, particularly in the application of new technologies for the detection and exploitation of deep deposits (land and sea) and metallic low concentration deposits.**

CENTRO REGION (PT) - MINERAL OCCURRENCES



metallic and energetic minerals

●	Antimony (Au)
●	Copper (Pb, Zn, Au and Ag)
●	Tin, Tungsten (Mo, Nb, Ta, Ti)
●	Iron, Manganese (Au)
●	Coal
●	Uranium, Beryllium, Niobium, Tantalum and Zirconium
●	Gold, Silver, Arsenic (Sb)
●	Zinc, Lead (Cu, Ag)
●	Uranium
●	Hydrocarbonates

nonmetallic minerals

CENTRO REGION (PT) - CRITICAL RAW MATERIALS

In a **small scale**, the following critical raw materials occur in the Centro Region:

- Antimony;
- Manganese;
- Beryllium;
- Niobium.

In **small, medium and large scale**, the following critical raw material occurs in the Centro Region:

- TUNGSTEN.



Thank you for your kind attention