

# Horizon 2020 – Raw Materials InfoDay

Portuguese Engagement on the EIP on Raw Materials

## Mineral Resources: Opportunities in Portugal

Carlos Caxaria  
OE Lisbon, 23 January 2014



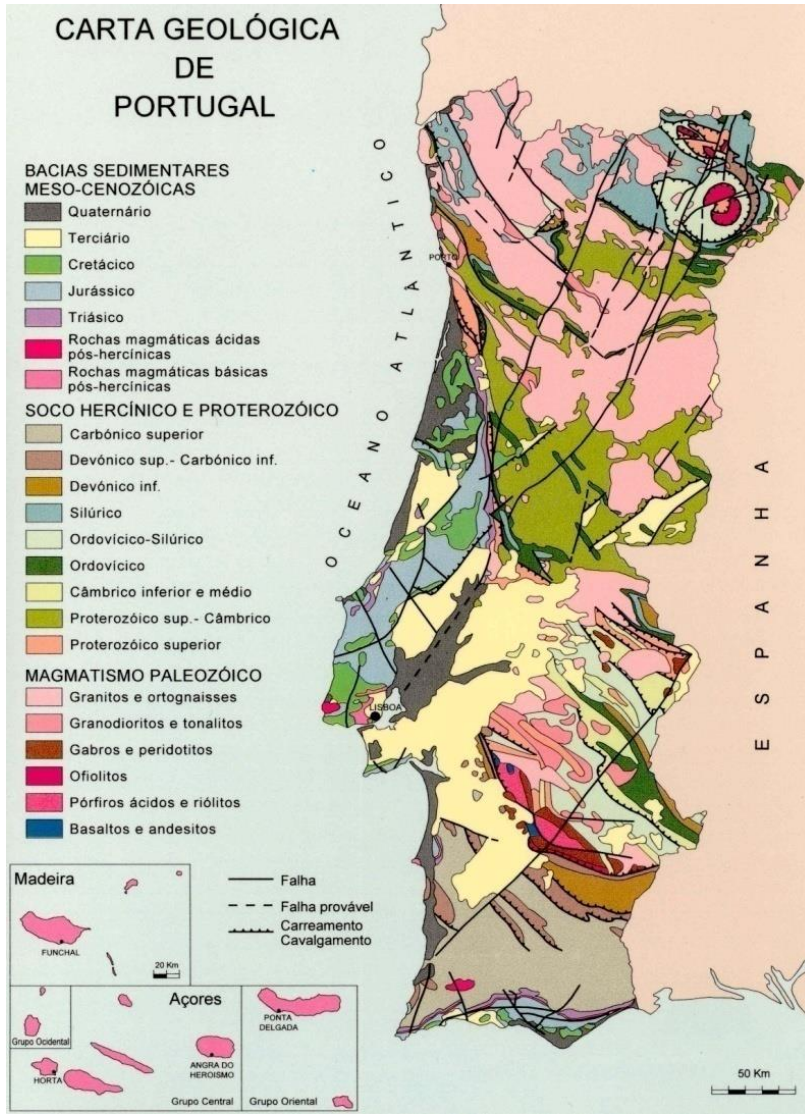
ORDEM  
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# Content

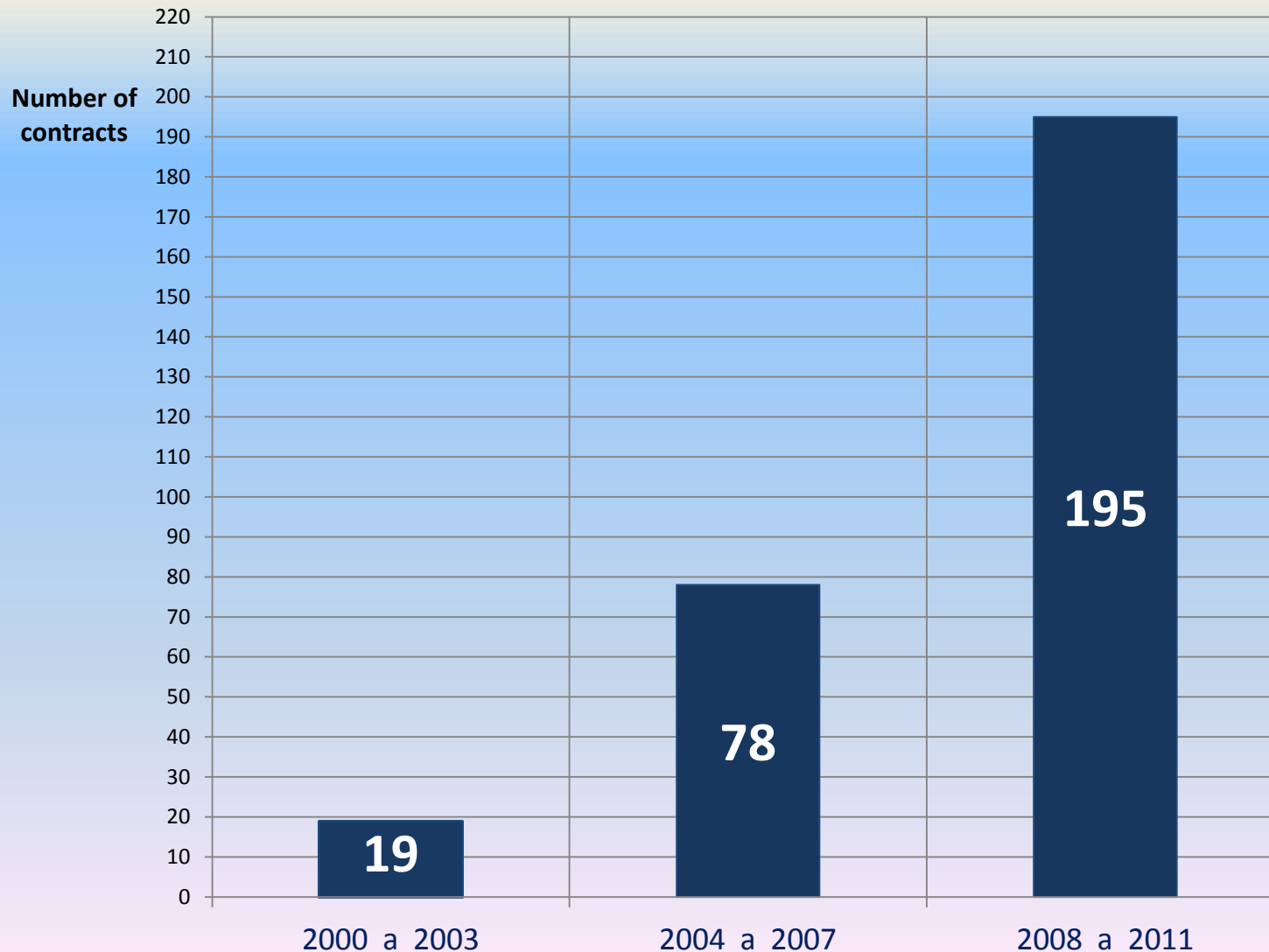
- 1. Portugal Mineral resources: an overview**
- 2. Strategy and Networking**
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# Portugal Mineral Resources: an overview



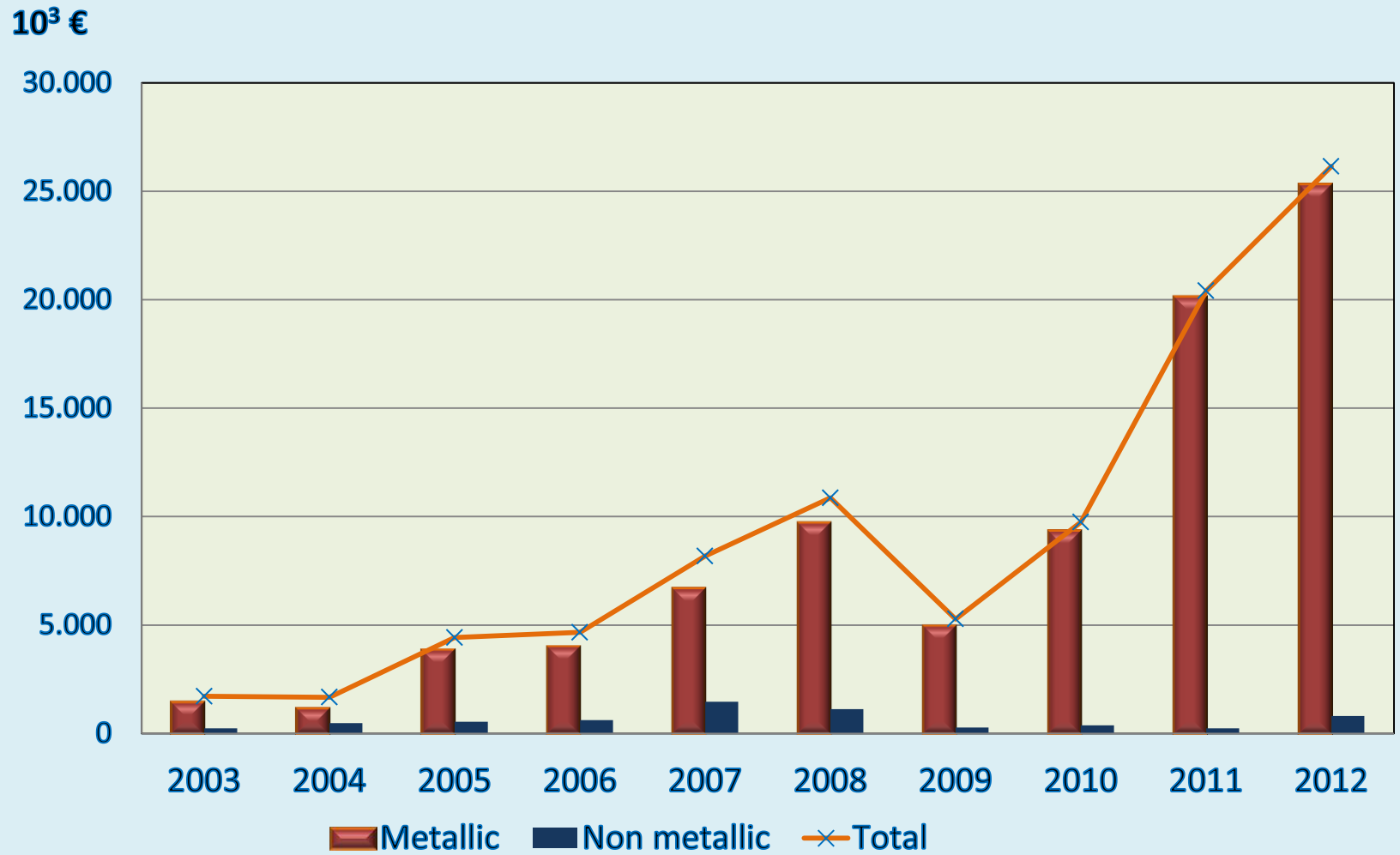
- Although the territorial dimension of Portugal is small, the surface geological map shows the enormous diversity of geological resources.
- For its geological diversity, Portugal is very rich in mineral deposits.

# Exploration contracts signed (Metallic and non metallic)

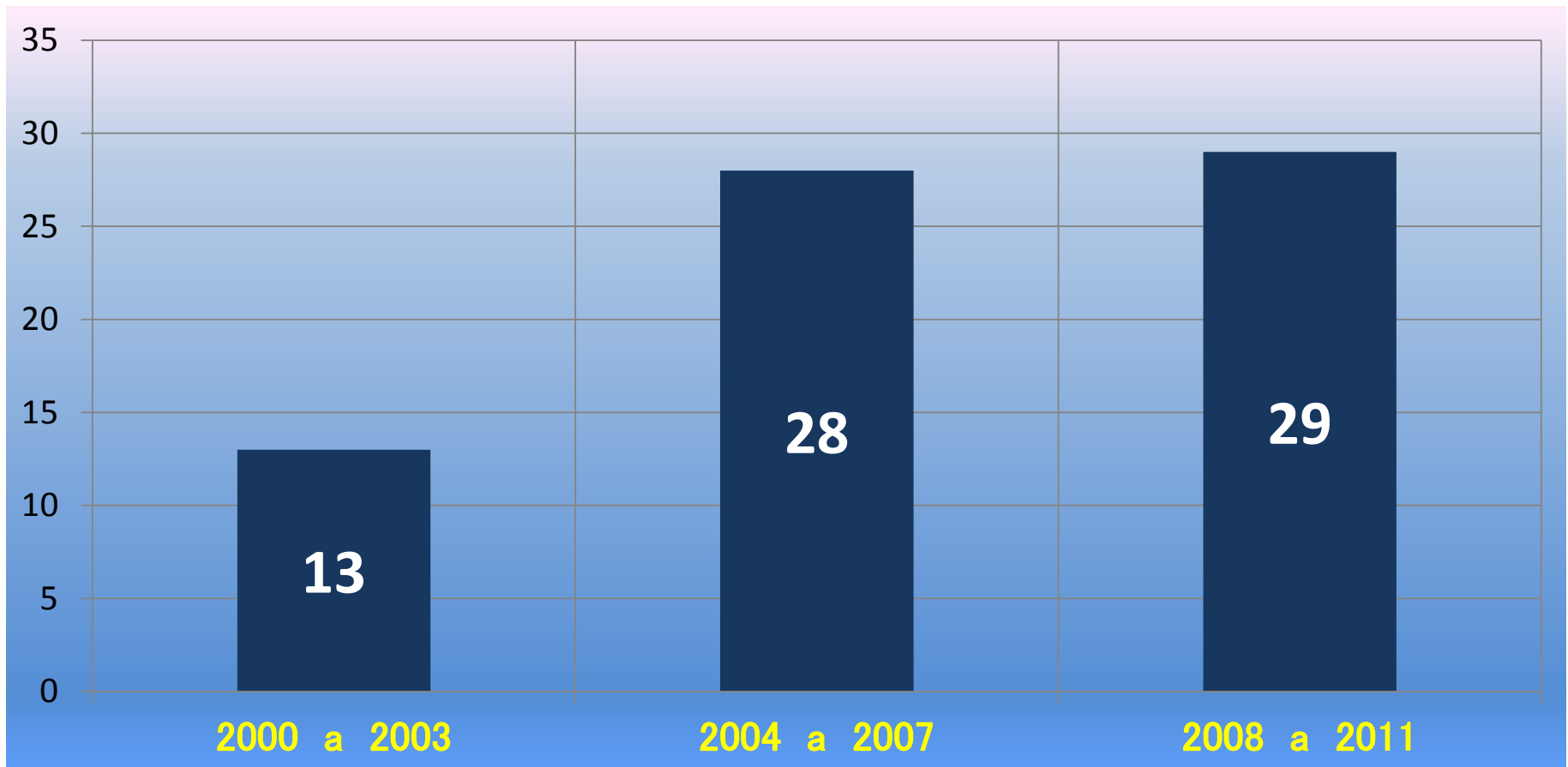


Since 2012:  
More 53 new  
exploration  
contracts were  
signed

# Evolution of Exploration Investments

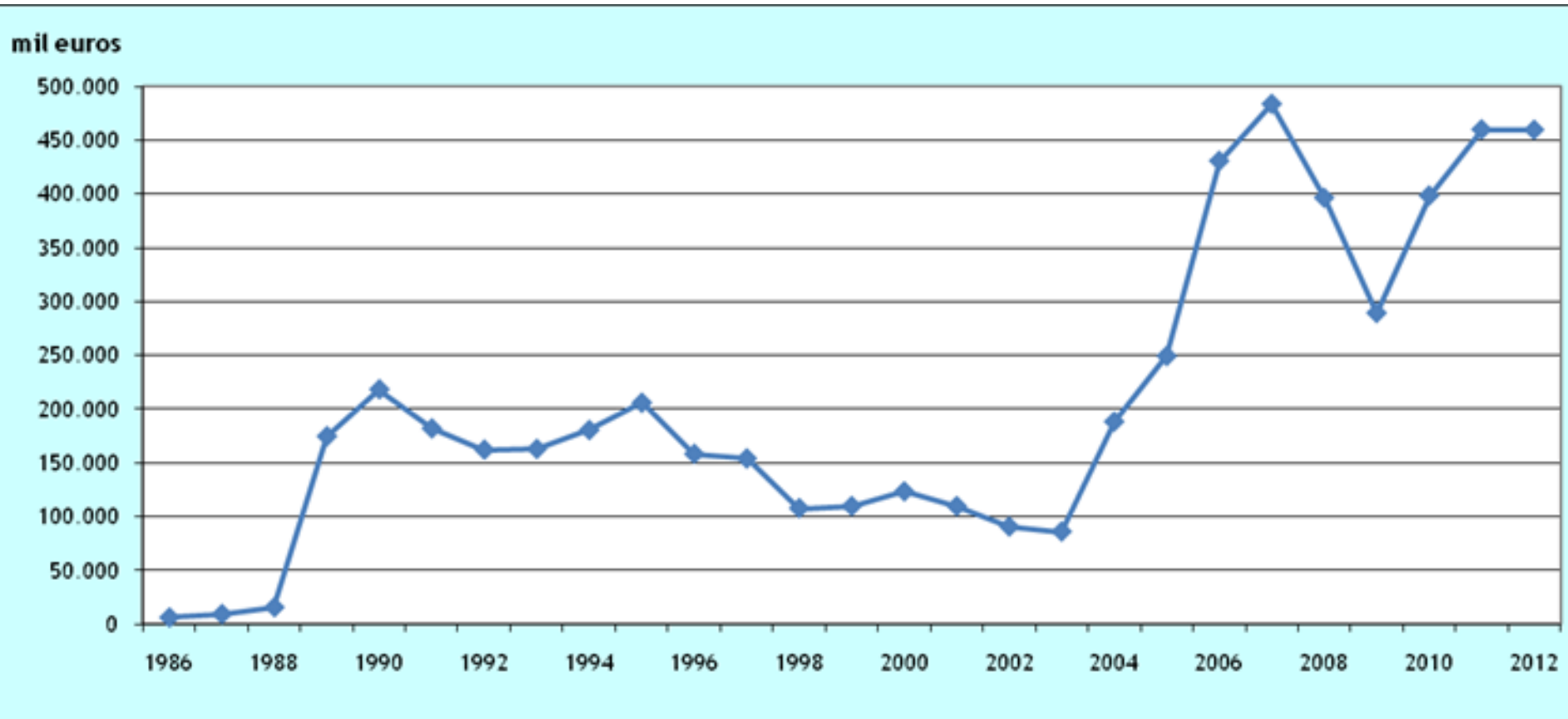


# Exploitation contracts of metallic and non metallic minerals (number of contracts)

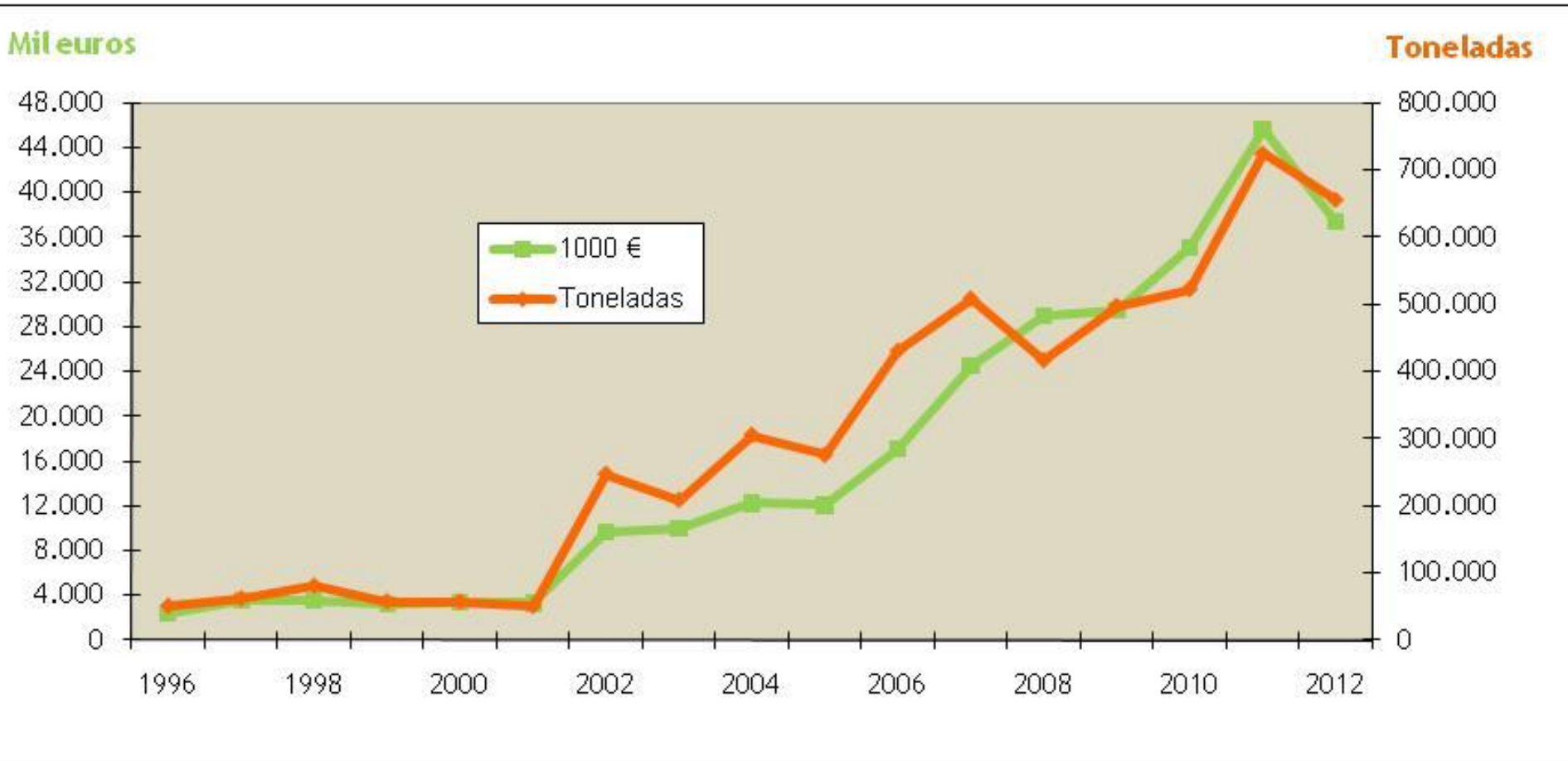


Since 2012: **6 new** contracts for metallic minerals were signed

# Exports of metallic minerals (Value)



# Exports of Non-Metallic Minerals (Ton and Value)





# Strategy and Networking

As a result of the raising importance of mineral resources in Portugal, the Government launched the **National Strategy for Geological Resources – Mineral Resources** (Aug. 2012, Ministry of Economy and Employment)

DGEG has accompanied the building procedure of the **European Innovation Partnership (EIP)**, and has mobilised partners from several areas (academia, mineral associations, public entities and mining companies).

This resulted in the recent launch of a **Portuguese Partnership for Mineral Resources** (Dec.2012)

# Portuguese Partnership for Mineral Resources

## • Companies:

- Panasqueira Mines
- Somincor
- Colt Resources
- EDM
- MTI
- Maepa
- Minerália
- Medgold
- Blackheat
- Redcorp
- CPF
- ...

## • Mineral Associations:

- ANIET
- ASSIMAGRA
- VALOR PEDRA
- ORDEM DOS ENGENHEIROS
- ASSOCIAÇÃO PORTUGUESA DE GEÓLOGOS

# Portuguese Partnership for Mineral Resources

## •Universities:

- Universidade de Lisboa
- Universidade do Porto
- Universidade de Aveiro
- Universidade de Coimbra
- Universidade Nova de Lisboa

## •Official entities and Institutes:

- FCT
- DGEG
- LNEG
- EMEP
- IPMA

# What is the EIP on Raw Materials?

- EIP results from several year work within the *Raw Material Supply Group*.
- The EIP on Raw Materials brings together EU Member States and other key stakeholders such as European companies, European researchers, and European NGOs.- **to promote innovation along the entire value chain** of raw materials and the objectives are:
  - A **new approach** to EU research and innovation.
  - Help to ensure the **sustainable supply** of the European industry.

# Portuguese Participation on EIP

High Level Steering Group



Sherpa Group

International

Technology focussed

**WP1** Technologies  
for primary and  
secondary raw  
materials production

**WP2** Substitution  
of raw materials

**WP5**  
Knowledge, skills  
and raw materials  
flows

Non-technology focussed

**WP3**  
Knowledge, skills  
and raw materials  
flows

**WP4**  
Improving Europe's  
waste management  
framework  
conditions and  
excellence

# Strategic Implementation Plan (SIP)

**The Strategic Implementation Plan (SIP)** of EIP on Raw Materials was adopted by the High Level Steering Group (HLSG) of the EIP on 25 September 2013 in Brussels.

SIP (Part I): presents the objectives, targets and methodology of the EIP and defines the overall strategy.

SIP (Part II): details Priority Areas, Action Areas and Actions targeting sector specific stakeholders and practitioners.

The SIP (Strategic Implementation Plan) identifies **24 action areas** which in total contain **97 specific actions**.

<https://ec.europa.eu/eip/raw-materials/en/content/about-sip>

# EIP: Call for commitments

- **Is a central part of the EIP approach;**
- **Was launched on 31 October 2013 and closes on 31 January 2014;**
- **Next calls will be in 2015, 2017 and 2019.**

# Conditions to make a commitment

- The EIP on Raw Materials addresses **non-energy non-agricultural raw materials** at the different stages of the value chain.
- To be recognized, a commitment needs **to be clearly linked to one or more of the action areas of the SIP.**
- It is desirable that the commitment is **clearly linked to one or more of the actions of the SIP.**



# Partners

- For **technology policy** actions in the SIP:

Each commitment needs to be made on behalf of ***at least three partners***, with one of the partners designated as co-ordinator and contact point and each of the three partners must be established in a **different EU Member State**.

- For **non-technology policy** actions in the SIP:

It may be sufficient to only have ***partners from one Member State***.

# Who to involve?

## Objective to join:

- Industry (mining and others);
- Specialized services and consulting companies;
- Academia;
- Industrial associations;
- Public entities.



**to increase the competitiveness and innovation** within the sector, boosting the knowledge transfer and fostering research activities.

# What is Horizon 2020?

Horizon 2020 is the biggest EU **Research and Innovation** programme ever;

Budget: with nearly **€80 billion** of funding available over **7 years** (2014 to 2020);

Is a means to drive **economic growth**:

- Involving directly the economic activity (enterprises)
- Create proximity between enterprises and research bodies
- Develop new and innovative technologies/solutions
- Create jobs
- Ensure EU sustainable supply of raw materials

# H2020 – Working Programs 2014-15

- ***candidaturas até 8 abril 2014 (consult FCT site)***

## **New solutions for sustainable production of raw materials**

- New solutions for sustainable production of raw materials - Mining of small deposits and alternative mining \*
- Deep mining on continent and in sea-bed
- New sustainable exploration technologies and geomodels

## **Coordinating and supporting raw materials research and innovation**

- Mineral deposits of public importance \*
- Strategic international dialogues and co-operation on raw materials with technologically advanced countries \*
- Innovation friendly minerals policy framework
- Raw materials research and innovation coordination
- Strategic international dialogues and cooperation with raw materials producing countries and industry

## **Waste Focus Area | Waste: a resource to recycle, reuse and recover raw materials**

- Recycling of raw materials from products and buildings \*
- Secondary raw materials inventory \*
- Raw materials partnerships

# Preparing for calls...

**A significant part of Portuguese entities and companies within the Portuguese Partnership for Mineral Resources are involved with UE partners in the preparation of calls.**

## For more information, please consult...

- UE raw materials webpage:

[http://ec.europa.eu/enterprise/non\\_energy\\_extractive\\_industries/raw\\_materials.htm](http://ec.europa.eu/enterprise/non_energy_extractive_industries/raw_materials.htm)

- European Innovation Partnership on Raw Materials – NEW!

<https://ec.europa.eu/eip/raw-materials/en>

- Horizon 2020:

<http://ec.europa.eu/research/horizon2020>

# Thank you for your attention



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