



PORTUGUESE *INFODAY* RAW MATERIALS  
31<sup>st</sup> October 2017

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## THE PAST

valorpedra  
ASSOCIAÇÃO

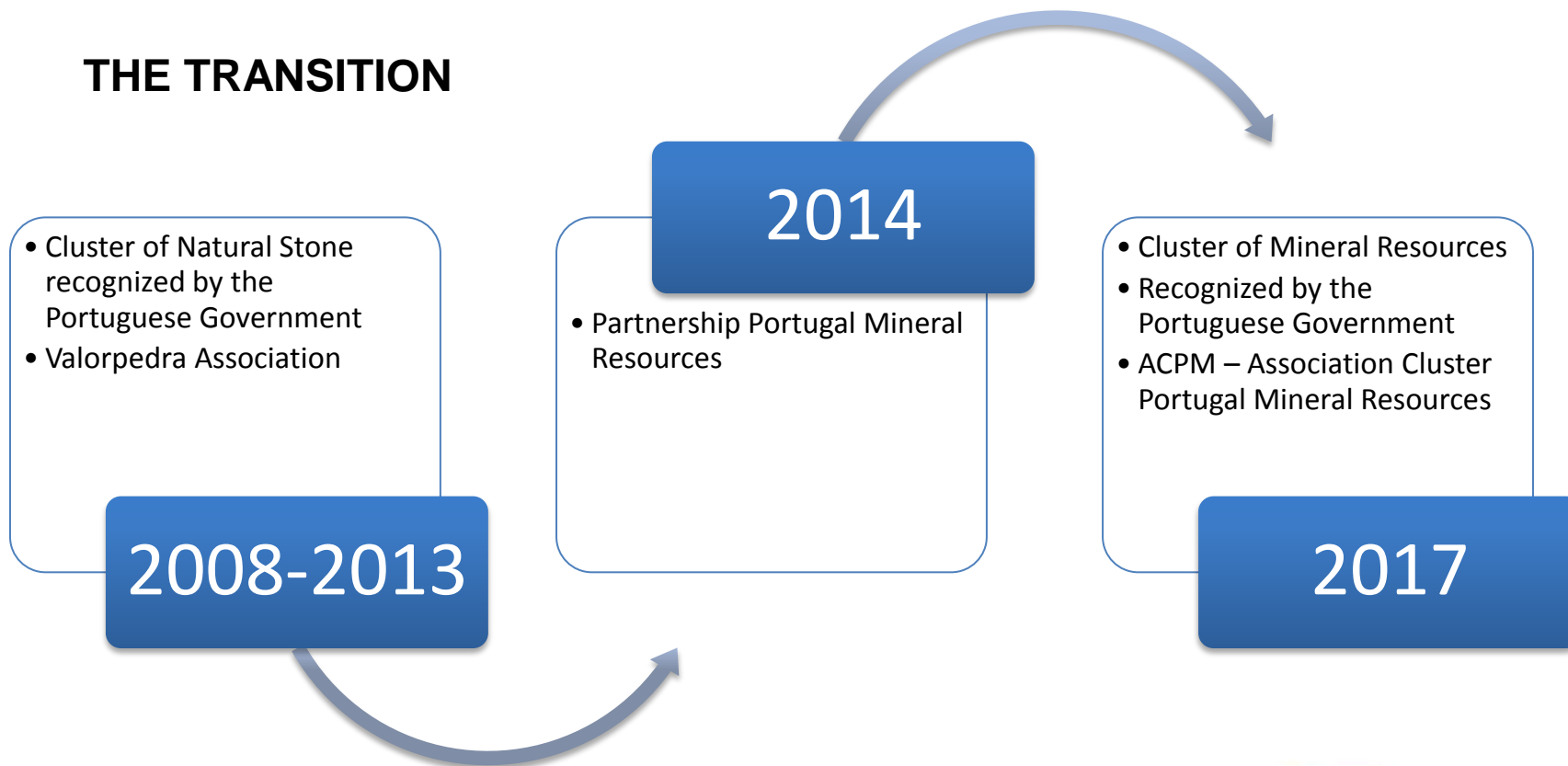
CLUSTER OF NATURAL STONE

Investment = (5 years) = 54 M€

More than 100 projects



## THE TRANSITION



## THE OBJECTIVES

Promote knowledge and sustainable economic value for mineral resources, boosting the export capacity and the added value.

Deepening knowledge of the economic potential of resources, promoting R & D + I, improving productive investment conditions and access to markets, as well as increase skills (technical, technological, management) and stimulate inter-company and inter-institutional cooperation.

**Recognized and supported by the Portuguese Government .**

## Objectives - 2020

Turnover +10%

Gross added value +10%

Volume of exports +25%

Employment +1%

R&DI +5%

Number of Associates +60

## THE PARTNERS

- 24 SMEs
- 4 EQUIPMENTS/ TECHNOLOGY SMEs
- 4 ACADEMIC INSTITUTIONS
- 2 ASSOCIATIONS
- 3 GOVERNMENTAL/RESEARCH INSTITUTIONS
  
- 2 ASSOCIATIONS
- 2 GOVERNAMENTAL INSTITUTIONS
- 1 PUBLIC COMPANY
- 9 ACADEMIC INSTITUTIONS
- 2 RESEARCH INSTITUTIONS
- 2 OTHER NATIONAL CLUSTERS
- 5 INTERNATIONAL CLUSTERS

37 MEMBERS



23 PARTNERS

## Action Plan

### AXES:

PROMOTION OF KNOWLEDGE AND INNOVATION

ECONOMIC VALUATION AND INTERNATIONALIZATION

SUSTAINABILITY OF MINERAL RESOURCES

QUALIFICATION AND SOCIAL RESPONSIBILITY

COOPERATION AND NETWORKING (TRANSVERSAL)

## **THE PROJECTS – ONGOING (some examples)**

### **INTERNATIONALIZATION OF PORTUGUESE STONE BRAND – STONE.PT**

Program of participation in the main world fairs and development of the international communication plan of the brand.

The StonePT brand is supported by a certification system, aiming at the international recognition of Portuguese natural stone construction products, not only for its physical and mechanical characteristics, but also for the Portuguese transformer know-how.

### **INOVSTONE 4.0 – ADVANCED TECHNOLOGIES AND SOFTWARE FOR NATURAL STONE (24 PARTNERS)**

Aims the development of techniques and technologies to reorient the operations model in the Sector of Ornamental Stones (RO) for Industry 4.0. This is the answer to the new procurement digital model (IFC objects libraries) in the context of BIM (Building Information Model) to the AEC (Architecture, Engineering and Construction) sector.



## **THE PROJECTS – APPLICATIONS (some examples)**

### **STONE.PT LAB**

Create a national brand of Laboratories, internationally recognized and that allows the credibility of the Stone.PT Brand.

### **NEW APPROACHES IN EXPLORING AND RESEARCH OF MINERAL RESOURCES**

Development of knowledge and modern approaches to traditional problems in exploration and minerals research.

### **TRANSFORMING ENVIRONMENTAL LIABILITIES INTO RAW MATERIALS**

Intends to establish the bases of scientific and technological knowledge that can lead to the systematic use of mineral raw materials in Portugal from secondary sources.

### **CIRCULAR ECONOMY IN NATURAL STONES**

Application of the circular economy model in the natural stone sector.

## EIP on Raw Materials Portuguese engagement on the High-Level Steering Group – Main opportunities and challenges for Portugal

### EIP ON RAW MATERIALS – 10 YEARS AFTER

- The objective of the Raw Materials Initiative was to ensure a **secure and sustainable supply** of mineral raw materials to Europe and to its industry.
- EIP-RM and its SIP wanted to fulfill that objective, supported on **3 pillars** defined in the RMI (external trade, domestic production and consumption reduction/recycling), in a **balanced** manner.
- After 10 years we are far from to achieve that objective, Europe's **dependence** on mineral resources from abroad **increased by about 25%** and the claim of reindustrialized Europe failed completely.
- Why? **Increase of domestic production of mineral resources was neglected**, having given too much importance to the other two pillars. That doesn't mean they are not important, but aren't enough.

## EIP on Raw Materials Portuguese engagement on the High-Level Steering Group – Main opportunities and challenges for Portugal

### The Vision of the Cluster Portugal Mineral Resources

- A **specific program** within the new framework program (**post 2020**) **dedicated to mineral raw materials** should be kept and, if possible, financially improved. Programs dedicated to the **early stages of the mineral resources value chain** (exploration, extraction, processing) should be increased;
- **Improve the circular use of raw materials in the EU economy**, but **including primary mineral resources** in this concept, which is not sustainable without them;
- To promote **technological innovation** on the industrial chain, in order to optimize the use of resources and increase energy efficiency;
- The **dissemination of mineral resources** and their potential for transformation and use by various industry clusters to underline their economic and social value and to highlight the benefits of the final products for the whole society.
- A **better articulation between EC institutions**, i.e. who defines policies and programs (DG GROW) and who evaluates applications and projects (EASME) should be assured.

***Civilization exists by geological consent,  
subject to change without motive***

*Will Durant*

(American writer, historian and philosopher,  
Pulitzer Price in 1968)

**THANK YOU**

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