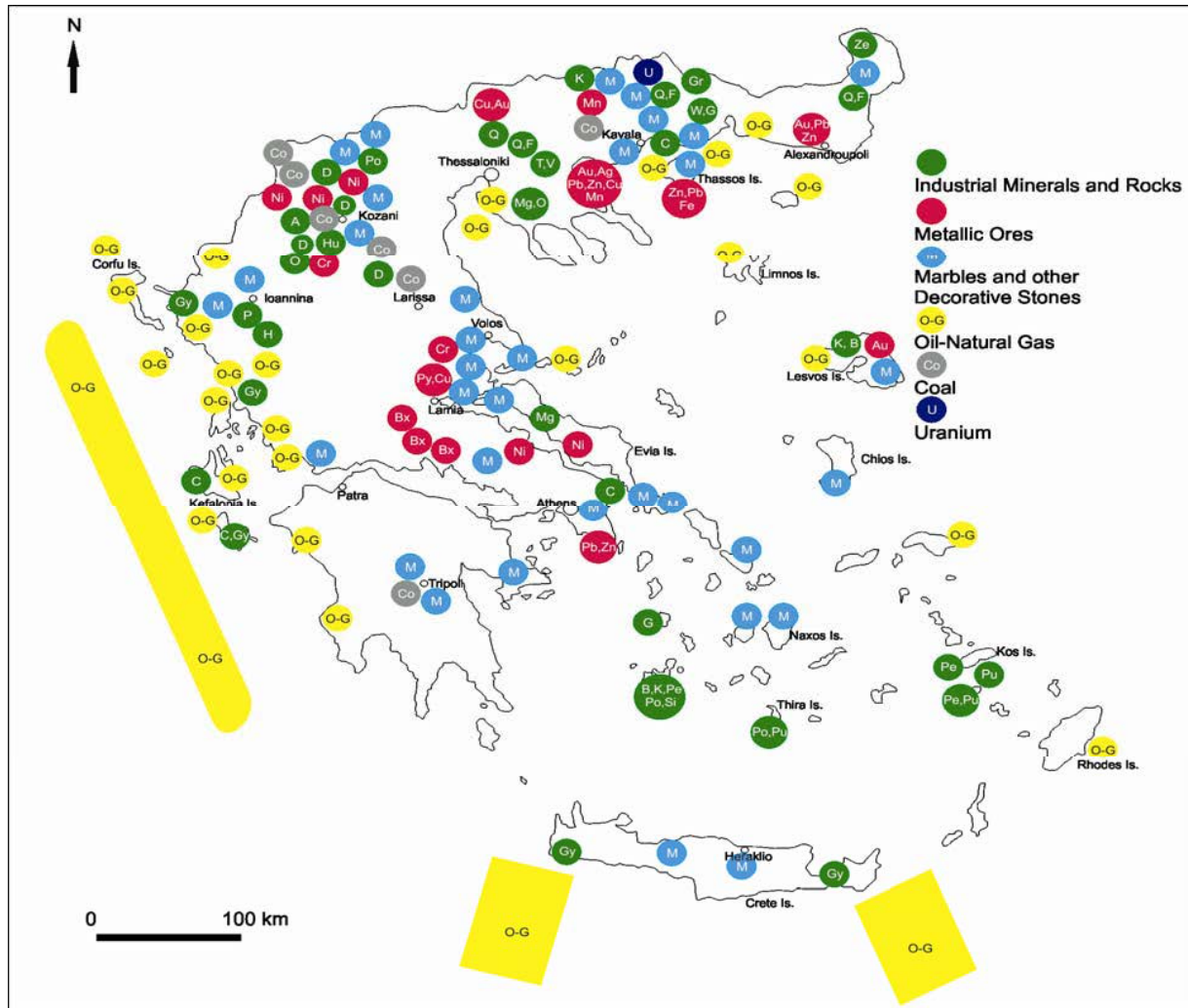


# NEW PROVISIONS OF THE LICENSING PROCESS FOR QUARRY MINERALS AND ORES

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### Industrial minerals & rocks:

A = Attapulgitite, B = Bentonite, C = White carbonates, D = Diatomite, F = Feldspars, G = Garnet, Gr = Graphite, Gy = Gypsum, H = Halite, Hu = Huntite, K = Kaolin, Mg = Magnesite, Ol = Olivine, P = Phosphorites, Pe = Perlite, Po = Pozzolan, Pu = Pumice, Q = Quartz, Si = Amorphous silica, T = Talc, V = Vermiculite, W = Wollastonite, Ze = Zeolite.

### Marbles-Decorative stones:

Mr = White to colored marbles, dolomites, travertines, onyxs, alabaster, sandstones, schists, volcanic rocks, zeolite-bearing tuffs.

### Metallic ores:

Ag = Silver, Au = Gold, Bx = Bauxite, Cu = Copper, Cr = Chromium, Fe = Iron oxides, Mn = Manganese, Ni = Nickel, Pb = Lead, Py = Pyrite, Zn = Zinc.

### Energy mineral resources:

Co = Coal, O-G = Oil-Natural gas, U = uranium ore.



## GREECE – MINERAL/ORE PRODUCTION (2017)

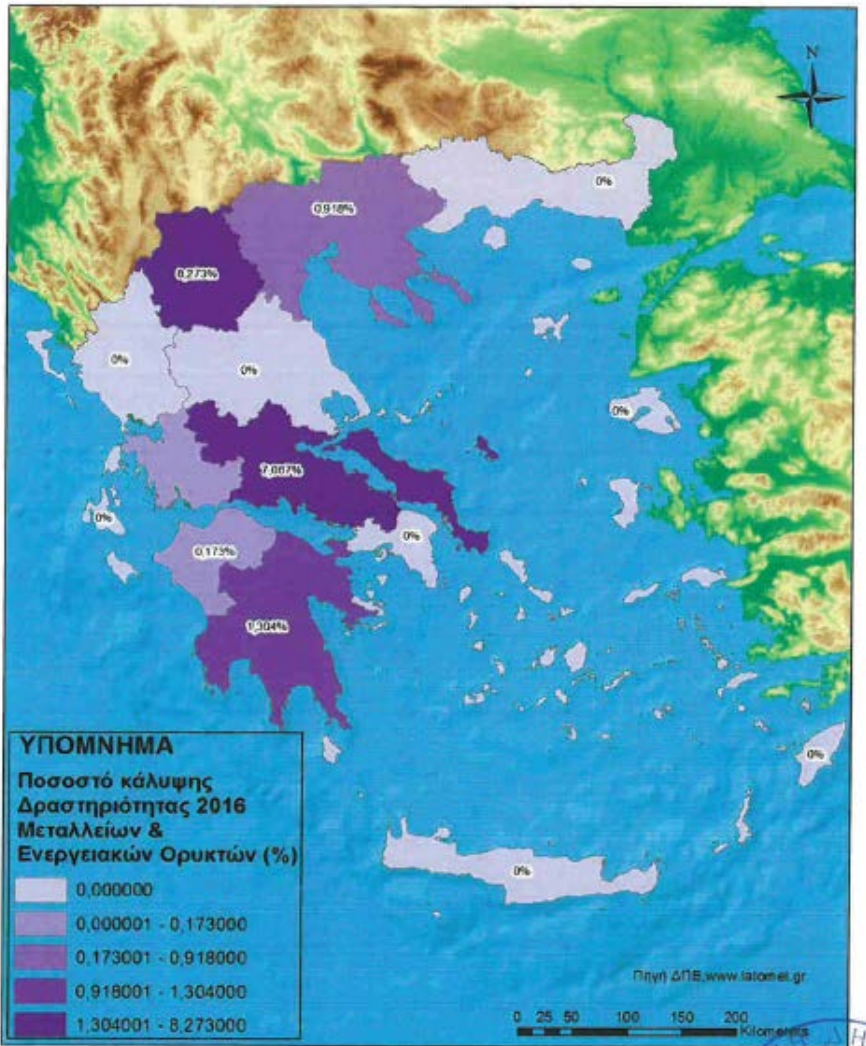
MINERAL / ORE	POSITION IN EU	POSITION IN GLOBAL
Perlite	1	2
Bentonite	1	5
Bauxite	1	11
Ni	1	17
Magnesite	3	8
Lignite	4	10
Al	5	28

## GREECE — MINING ACTIVITY (2017)

- 265 quarries of marble+natural stones
- 159 quarries of construction minerals (aggregates)
- 67 quarries of industrial minerals
- 52 mines (lignite excl.)
- 15 mines of lignite (electricity generation)



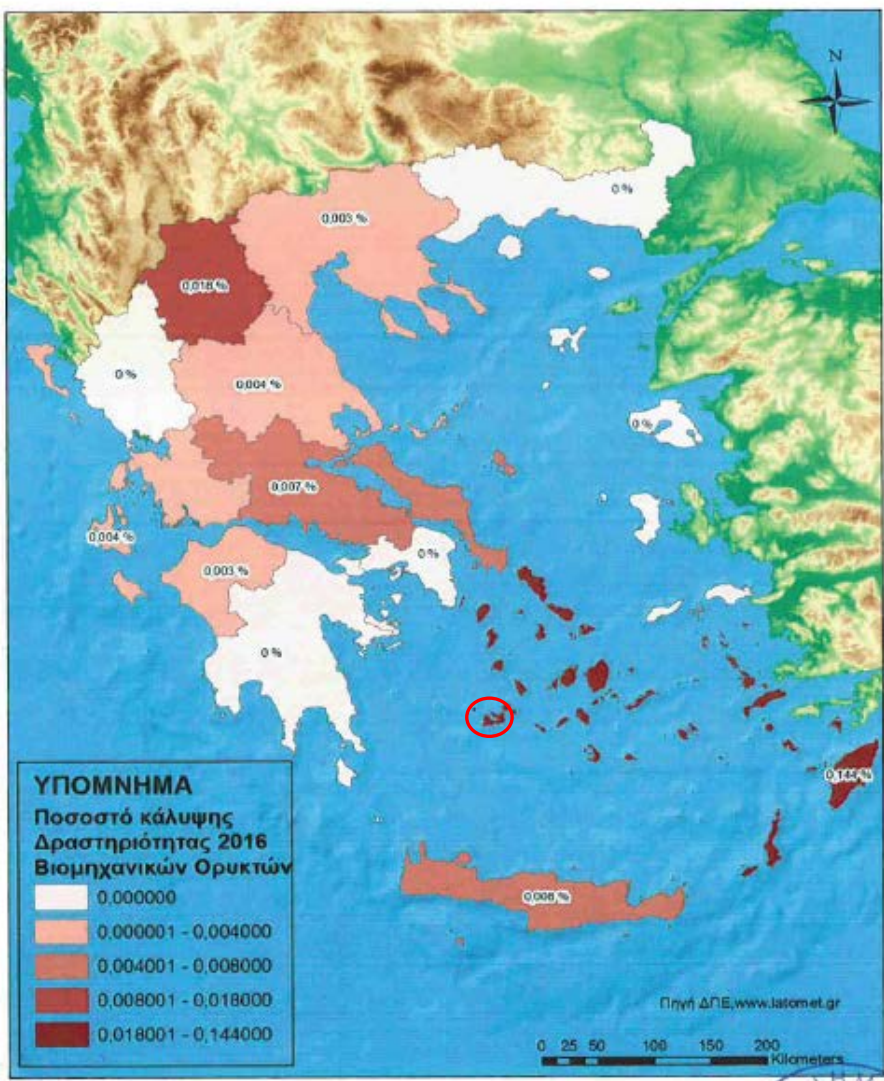
# GREEK REGIONS SHARE OF ORES+FUEL MINERALS PRODUCTION 2016



REGION	% REGION AREA COVERAGE	ORE DEPOSITS
West Macedonia	8,27	Lignite
Central Greece	7,07	Bauxite (Al) Laterite (Ni) Magnesite
Peloponnese	1,30	Lignite
Central Macedonia	0,92	mixed sulphides (Pb, Zn, Ag, Au) and porphyry (Cu, Au)
West Greece	0,17	Lignite



# GREEK REGIONS SHARE OF INDUSTRIAL MINERALS PRODUCTION 2016



REGION	% REGION AREA COVERAGE	DEPOSITS
Southern Aegean	0,14	Perlite, Bentonite
West Macedonia	0,02	Clay, Calcium Carbonate
Crete	0,008	Gypsum
Central Greece	0,007	Clay



# GREEK REGIONS SHARE OF MARBLE PRODUCTION 2016

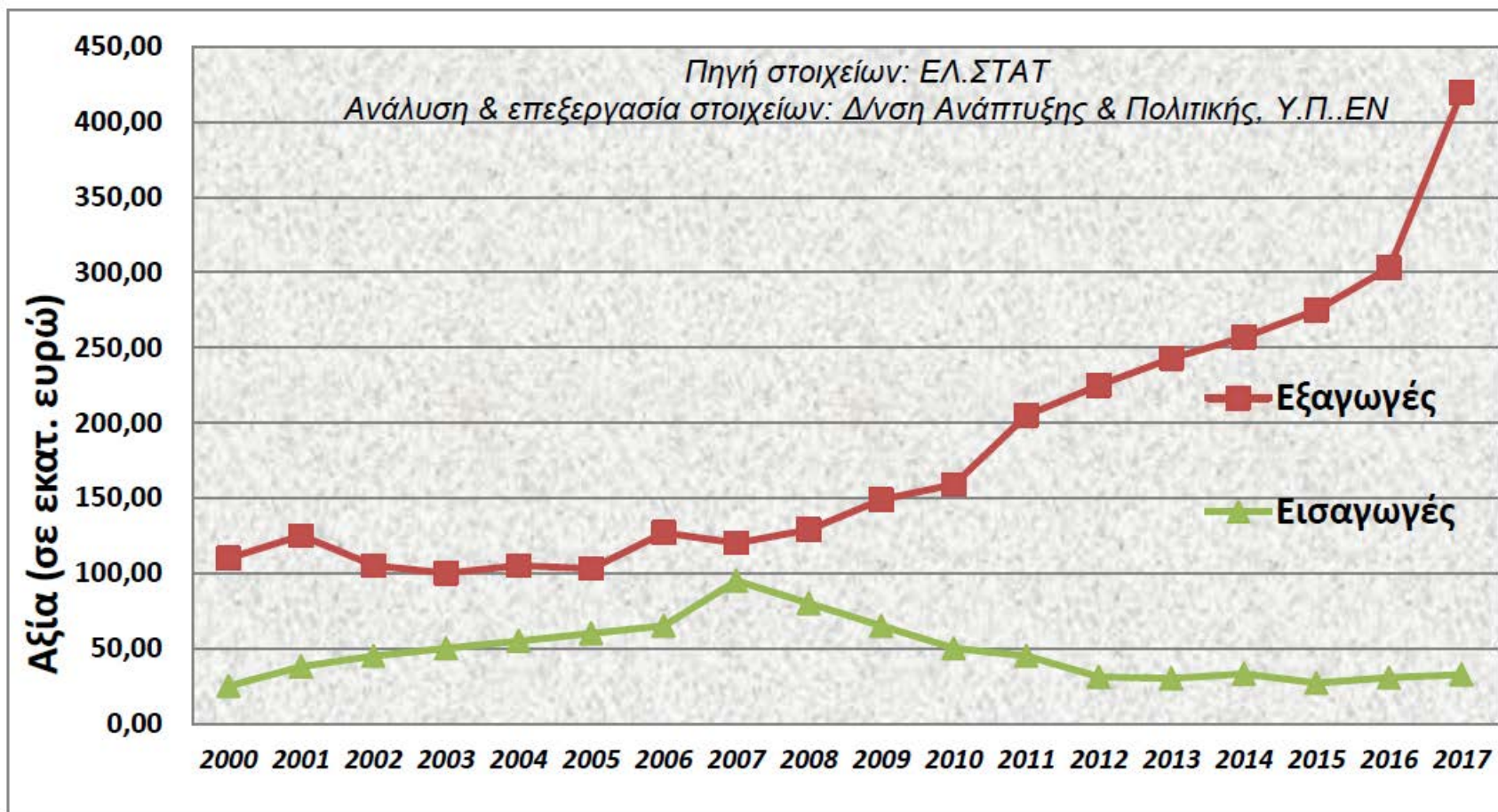


REGION	% REGION AREA COVERAGE
East Macedonia and Thrace	0,05
Southern Aegean	0,01



>90% of the  
total greek  
production

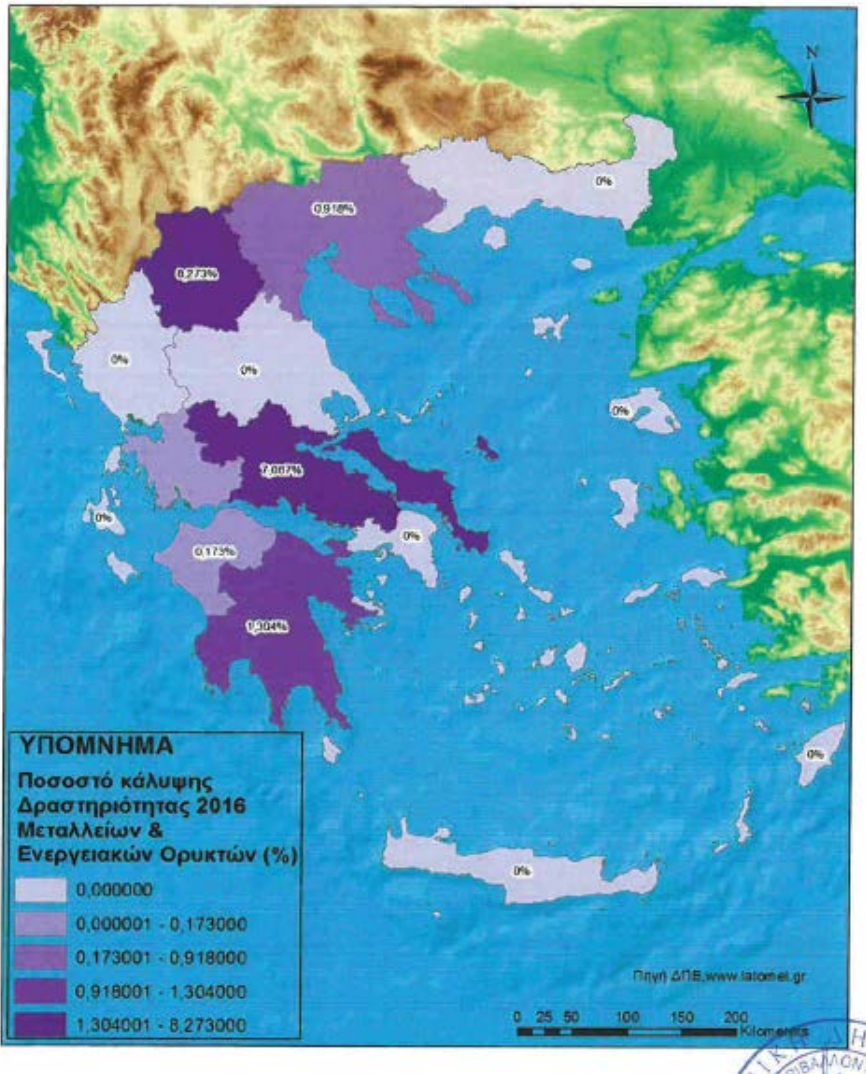
# GREEK REGIONS SHARE OF MARBLE PRODUCTION 2017







# LEASE CHARGES DISTRIBUTION (2016)



Decentralized administrations	Leasing fee to the country (%)	
	Ores and fuel minerals	marble
Thessaly and Central Greece	59,06	
Macedonia and Thrace	18,8	84
Epirus and Western Macedonia	21,8	



# MINING AND QUARRYING FACTS

**Number of environmental permits and licenses (2015) ~ 87**

**Number of new licenses-exploration/exploitation (2015) ~ 40**

**Number of employees (2017) ~14.000**

**Number of public servants directly related to minerals exploitation/exploration ~120**

**Institute of Geology and Mineral exploration (IGME) researchers (2015) ~110**

**The right for exploration and extraction of quarry minerals belongs to the landowner**

**The right for exploration and extraction of ores does not belong to the owner of the land, is leased by the state or it is conceded with a Presidential Decree under which the right of mine ownership is established (concessions or private mines).**

# THE MAIN LEGISLATION FRAMEWORK

Minerals exploration and exploitation is based on:

- **Metallic minerals**

The Mining Code — Legislative Decree 210/1973

- **Mining and Quarring activities Regulation (KMLE)**

Ministerial Decision 2223/2011

- **Environmental Protection**

Law 4014/2011

- **Quarry minerals**

(Industrial, marble & natural stones, construction) — Law 4512/2018

## L.4442/2016 AND L.4512/2018 FRAMEWORK — BUSINESS NOTIFICATION

The online platform of Notify Business (<https://notifybusiness.gov.gr> ) covers all cases where “license” or “approval” has been replaced by “business notification” as an administrative tool:

- exploration and exploitation of quarry minerals in private areas
- installation and operation of electromechanical equipment (E / M) within quarries
- exploration of metallic minerals mainly with geophysical methods
- operation of complex E/M within mines

# L.4512/2018 REGIME- QUARRY MINERAL

- The complex and scattered provisions of the last 4 decades **are unified and updated**
- The maximum lease term of the right to exploit all quarry minerals **is set at 70 years** in order to achieve financially sustainable investments (previously was 40 yrs for marble and industrial minerals and 30 yrs for construction minerals)
- The exploitation license is abolished**
- The Technical Study approval of the exploration activity is abolished**
- The **Standard Technical Commitment** replaces the “approved technical study”
- The **Standard Environmental Commitment** Approval replaces the “approved EIA study”
- In case of public or municipal land the lease agreement is the final administrative authorization
- In case of private ownership the exploration and exploitation activity is subject to notification
- E/M equipment: the installation permit is abolished, the required supporting documents are submitted along with the technical study, while the operation permit is replaced by a notification

# LD 210/1973—ORE EXPLORATION

The right for extraction belongs to the state and it can be conceded under a Presidential Decree (Mine Concession)

Prior to Mine Concession, a Mineral Exploration License given by the Head of the Region, is required which provides the right to explore

Prior to exploration activities, the operator needs to obtain

- Approval of the Technical Study
- Approval of the EIA (Environmental Impact Assessment) study

# L.4512/2018 REGIME –ORE EXPLORATION



- The Mineral Exploration License provides the right and the approval to explore
- The Standard Technical Commitment Approval replaces the “approved technical study”
- The Standard Environmental Commitment Approval replaces the “approved EIA study” when the exploration activities are limited (max 0,5m<sup>3</sup>/1000m<sup>2</sup> .)
- EIA study approval is needed when drilling or extended excavation is taking place during exploration activities
- When Exploration is taking place without excavation work (. geophysical methods) is subject to notification (no commitments)
- Further exploration work within the area approved by the Mineral Exploration License needs STC and SEC
- Further exploration work after the Mine Concession within the granted area needs STC and SEC
- E/M equipment: the installation permit is abolished in case of non-complex equipment , the required supporting documents are submitted along with the technical study, while the operation permit is replaced by a notification



# L.4512/2018 FRAMEWORK

Relevant legislative actions	MARBLE OR INDUSTRIAL MINERALS QUARRY (exploration and exploitation)	MARBLE OR INDUSTRIAL MINERALS QUARRY (exploration and exploitation)
	In PUBLIC LAND	In PRIVATE LAND
BEFORE L.4512/2018	32	31
AFTER L.4512/2018	12	10
FINAL PERMISSION	LEASE AGREEMENT	NOTIFICATION



# DIGITAL ENVIRONMENTAL REGISTRY OF QUARRYING AND MINING PROJECTS



**An operational permitting tool for the Greek Ministry of Environment and Energy.**

**Main objective: to optimize the environmental permitting processes by transforming the current permitting status in a fully digital processing platform and workflow**

**To enable the electronic submission through the web for projects and activities, as well as to monitor the processes in order to issue, amend or renew the decisions on environmental conditions and the standard environmental commitments in implementation of L. 4014/2011**

**<http://eprm.ypeka.gr>**

# ADMINISTRATIVE TOOLS-ACCESS TO INFORMATION

- a) Quarrying and Mining activity, annual minerals report ([www.latomet.gr](http://www.latomet.gr))
- b) Transparency portal (<https://diavgeia.gov.gr/>)  
the administrative actions and decisions uploaded on the Internet  
are not valid unless published online
- c) Environmental Impact Assessment licenses (<http://aepo.ypeka.gr/>)
- d) Digital environmental registry of quarrying and mining projects  
(<http://eprm.ypeka.gr>)
- e) The online platform for “business notification” (<https://notifybusiness.gov.gr>)



# ADMINISTRATIVE NEXT ACTIONS

- a) **Integrated Information System for Mineral Raw Materials**
- b) **Investment Information Agency**
- c) **Spatial Planning for Mineral Raw Materials**

**THANK YOU FOR YOUR ATTENTION**