

# ViDEPI Project

A public subsurface data base of Italy



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# Petroleum E&P activity in Italy

## 3 Types of petroleum mining rights

### ▪ Prospecting licence

- ✓ Non exclusive
- ✓ No area limitation
- ✓ 1 period of 1 year duration ➡ allows to acquire geological & geophysical data

### ▪ Exploration permit

- ✓ Exclusive
- ✓ Maximum area 750 Km<sup>2</sup>
- ✓ 3 periods of duration [P1 = 6 years, P2 = 3 years, P3 = 3 years] \*  
➡ allows to acquire geological & geophysical data and to drill one or more wells

*\* To pass from P1 to P2 a compulsory explorative well is needed*

### ▪ Exploitation concession

- ✓ Exclusive
- ✓ Maximum area 300 Km<sup>2</sup>
- ✓ 3 periods of duration [P1 = 20 years, P2 = 10 years, P3 = 5 years]  
➡ allows to carry out all the technical activities related to the hydrocarbons production

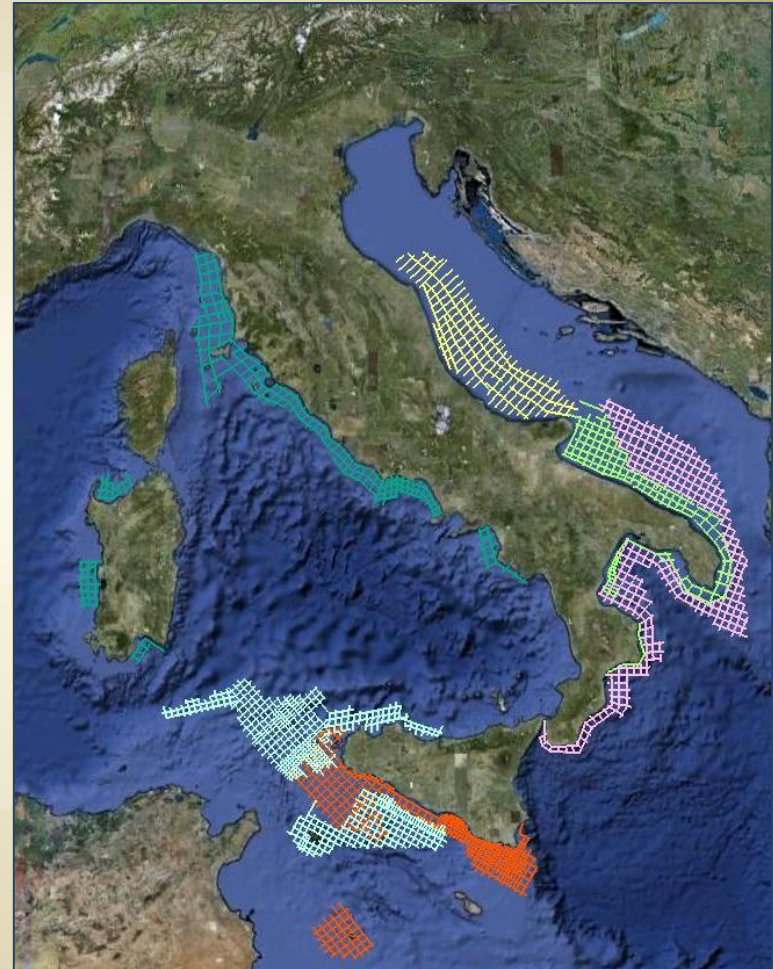
# Data base Composition

- **Data linked to the individual Mining Rights E&P activity**
- **Marine reconnaissance seismic survey data**
- **Informative reports concerning the ex ENI exclusive area**

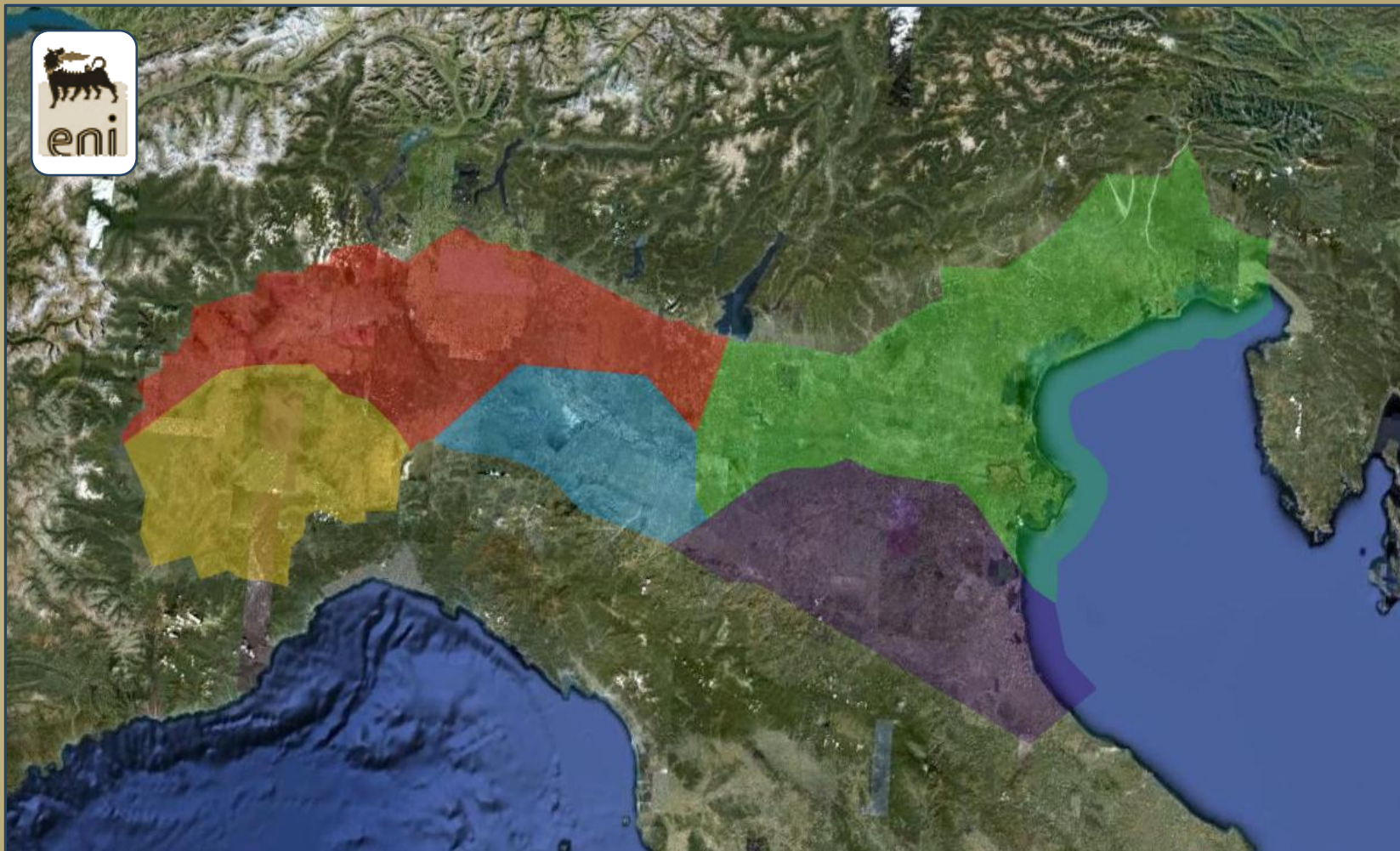
# Italian off-shore



Off-shore exploration areas (zones)



Off-shore reconnaissance seismic campaigns



Western Apenninic Domain

Western South Alpine Domain

Central Apenninic Domain

Eastern Apenninic Domain

Eastern South Alpine Domain

**Po valley ENI exclusive area  
Basins delimitation according to Agip**

# Scope of the Project

**To provide an easy access to the data to all the searches, both applied and academic.**

**This to promote:**

- **on one side the exploration of the subsurface in the country**
- **on the other the use of the subsurface tools in the scientific research projects**

# The partners



**Ministry of Economic Development - UNMIG**

(National Mining Office for hydrocarbon and georesources)



**Italian Geological Society**



**Assomineraria**

(Italian petroleum and mining industry association)

# External collaborations



**University of Roma Tre**



**University of Siena**



**Autonomous Region of Friuli Venezia Giulia**



**Sicilian Region**



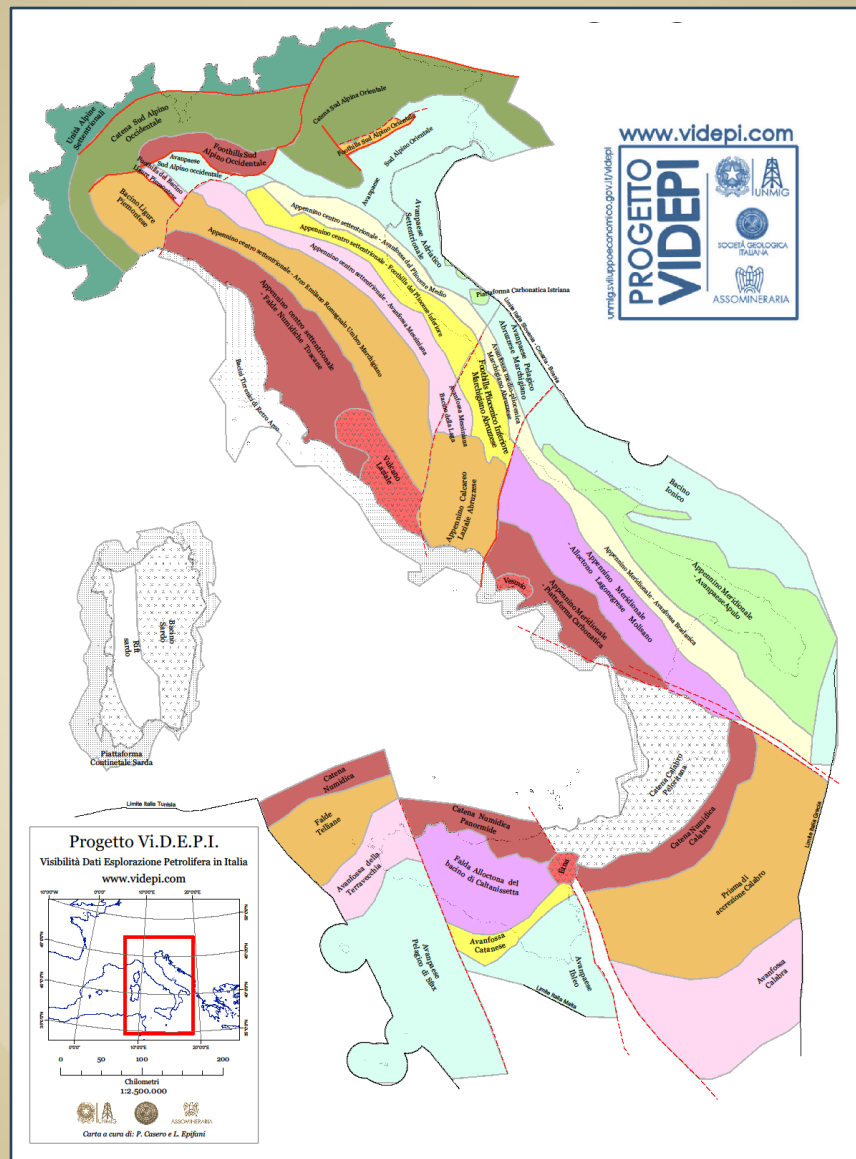
**ENI spa**

**G.E. Plan Consulting**



# Operational stages

1. **Recovery of the technical documents filed by the various national and regional Mining Authorities**
2. **Scanning of the documents (both text and enclosures)**
3. **Classification of the files as per a standard menu of categories**
4. **Geo-referencing of:**
  - Perimeter of initial permit area
  - Wells location
  - Seismic lines location
5. **Definition of a menu of geological basins and attribution of each files to it's own**
6. **Web loading of the entire data set with alphanumeric and geographical queries options**



Geological basins schematic map

# Results

**4.071** technical reports related to **1.581** mining rights comprising **6.723** enclosures, of which:

- **2.197** wells final composite logs
- **1.935** seismic lines
- **2.591** maps, cross sections, velocity data, etc...

**579** marine reconnaissance seismic lines

**5** informative reports edited by Agip on Dec, 1996 prior to the releasement of the ENI exsclusive area



# ViDEPI Project

Net surfing demo

[www.videpi.com](http://www.videpi.com)

[unmig.sviluppoeconomico.gov.it/videpi](http://unmig.sviluppoeconomico.gov.it/videpi)

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