

Case Study 2 (Process In Itinere): Eia of a Port's Project using scheme of the environmental stages (using the forms and documentation on a real case-study in Italy)

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APAT

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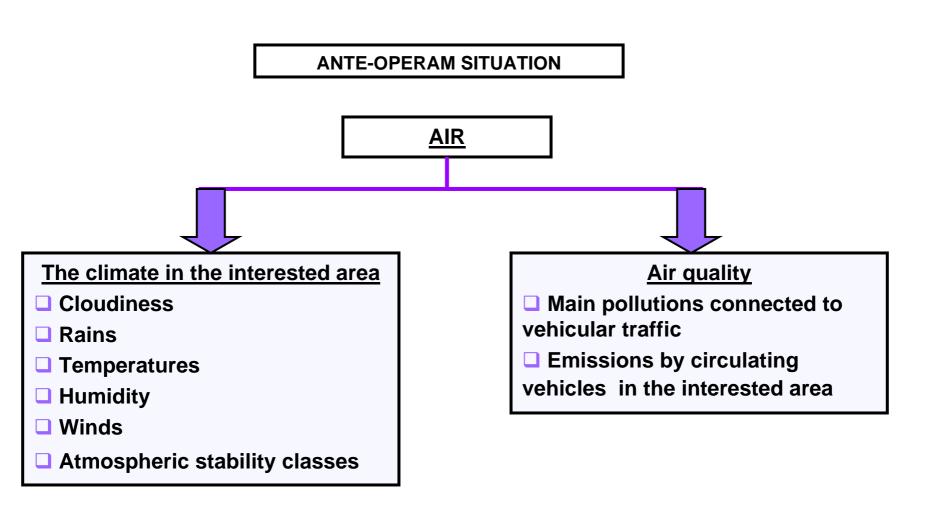


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1. Environmental phase: process in itinere analysis





2. Temperatures and rains

Resort	J	F	M	Α	М	J	J	А	S	O	N	D	year	Abs. lower	Abs. Highest
	5,6	5,6	5,6	5,6	5,6	5,6	5,6	5,6	5,6	5,6	5,6	5,6	5,6	5,6	5,6
	4,7	4,7	4,7	4,7	4,7	4,7	4,7	4,7	4,7	4,7	4,7	4,7	4,7	4,7	4,7
	2,2	2,2	2,2	2,2	2,2	2,2	2,2	2,2	2,2	2,2	2,2	2,2	2,2	2,2	2,2

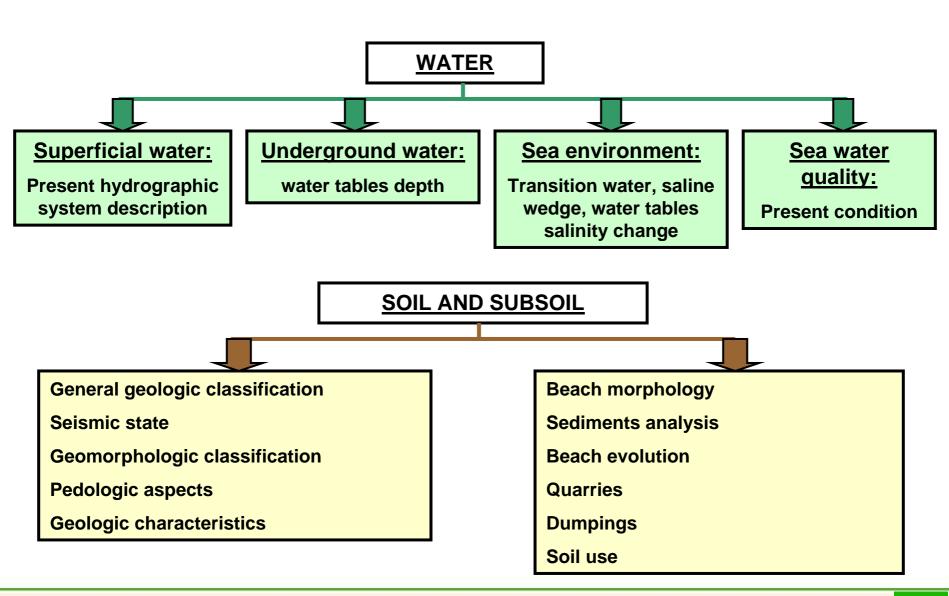
TABLE of middle monthly and yearly temperatures, absolute lower and highest temperatures (°C)

Resort	J	F	M	Α	M	J	J	Α	S	0	Z	D	year
	68	68	68	68	68	68	68	68	68	68	68	68	68
	73	73	73	73	73	73	73	73	73	73	73	73	73
	61	61	61	61	61	61	61	61	61	61	61	61	61

TABLE of middle monthly and yearly rains (mm)

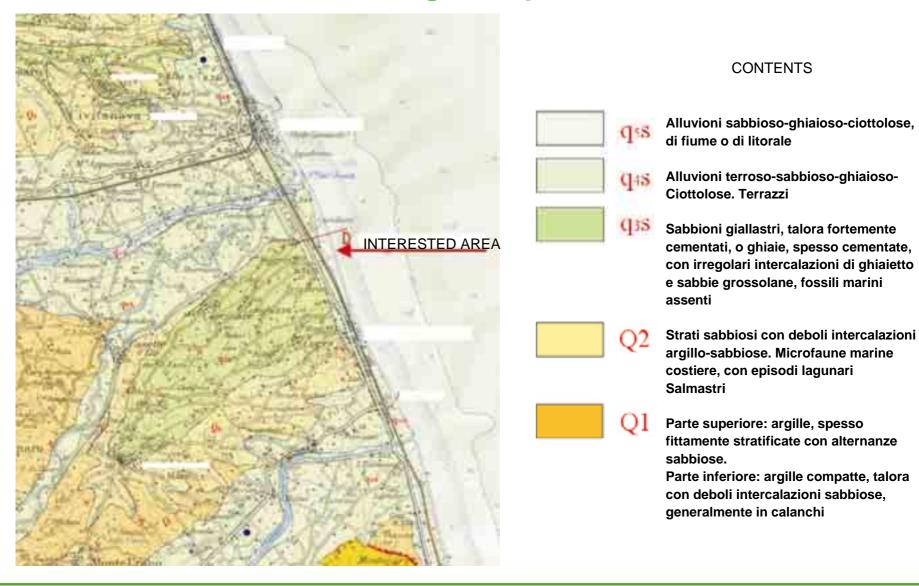


3. Water – Soil and subsoil



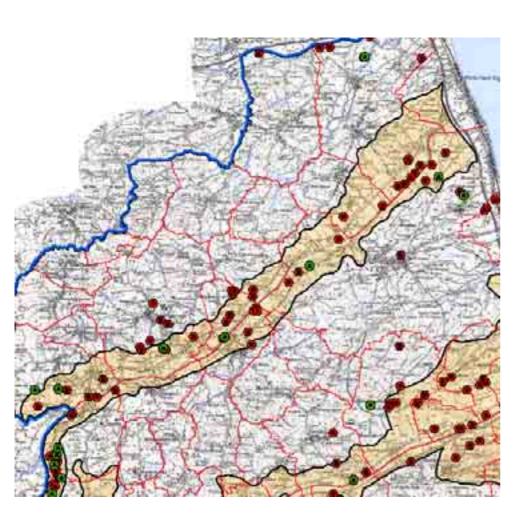


4. Geologic map: extract





5. Quarries map: extract



CONTENTS

MATERIALS TYPOLOGY



Disused quarries

Active quarries



6. Vegetation, flora, fauna and ecosystems

Present land vegetation

Sea flora **Fauna**

Ecosystems: (sea ecosystem, dune and backdune ecosystem, anthropic ecosystem)

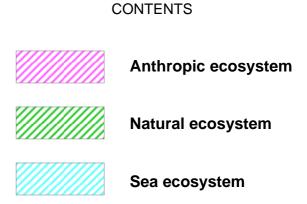


Dune ecosystem (protected vegetation)



7. Present ecosystems map







Public health and social-economic context 8.

PUBLIC HEALTH

SOCIAL AND ECONOMIC CONTEXT

Public health characterization is carried out through the analysis of other environmental elements, that can disturb population and human activities and can cause impacts to hygienic and sanitary aspects:

- air (air pollution)
- noise and vibrations (acoustic pollution)
- > sea water (water quality for stagnation in the basin)
- soil (waste production increase)
- mobility (incidents risk on land, caused by induced vehicular traffic increase, and in sea, caused by boats circulation)

- population structure
- economic structure dynamics

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9. Resident population

	RESIDENT POPULATION											
1991		2000			2001			2002			2003	
тот	тот	М	w	тот	М	w	тот	М	w	тот	M	w
21112	22645	11122	11523	21750	10631	11119	23158	11310	11848	23598	11536	12062

Resident population in the municipality

RESIDENT POPULATION VARIATION								
	between 1991 and 2000 and 2001				01 and	between 2002 and 2003		
Absolute value	%	Absolute value	%	Absolute value	%	Absolute value	%	
+1533	+7,26	-895	-3,95	+1408	+6,47	+440	+1,9	

Resident population in the municipality variation



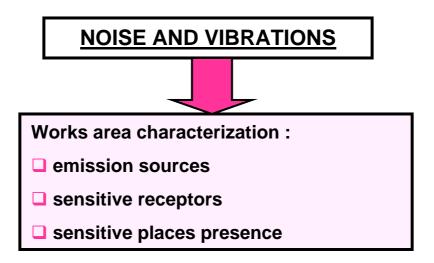
10. Employees in the municipality

ECONOMIC ACTIVITY SECTOR	EMPLOYEES NUMBER	LOCAL UNITS: TOTAL
Agriculture and hunting	100	
Fishing and connected services	11	
Minerals mining	1	
Manufacturing activities	4789	
Electric energy, gas and water production and distribution	4	
Buildings	304	
Wholesale and retail trade	1180	
Hotels and restaurants	183	
Transport, storage and comunications	111	
Monetary and financial intermediation	107	
Real-estate activities, hire, computer science and research	273	
Education	3	
Health and other social services	17	
Other public, social and personal services	266	
Domestic services for families	2	
Not classified businesses	228	
TOTAL	7578	2900
PROVINCIAL TOTAL	91724	46183

Employees in the municipality for economic activity sectors



11. Noise, vibrations and radiations

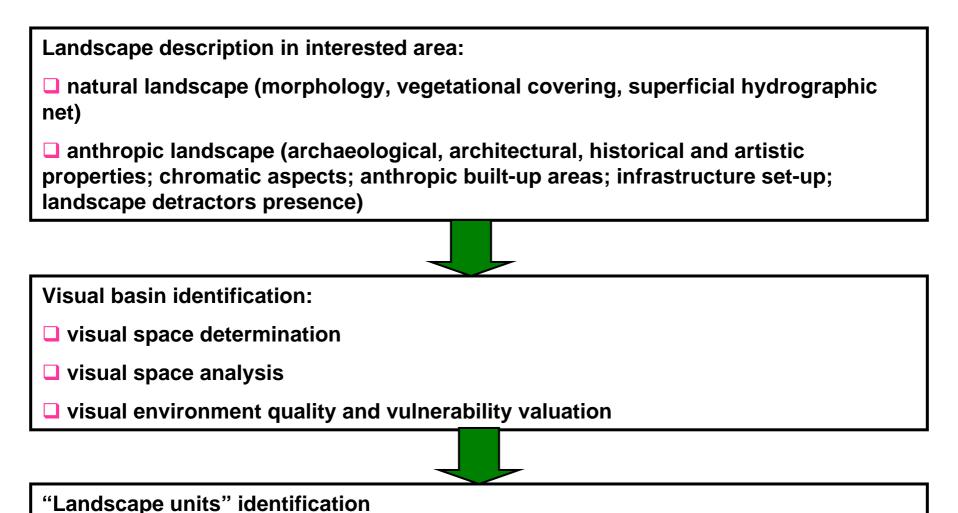


IONIZING AND NOT IONIZING RADIATIONS

Just for foreseen works tipology, impacts derived by radiations (whether ionizing or not ionizing) aren't caused



12. Landscape





13. Landscape unit: type-card

Denomination					
	Morphology				
	Vegetation				
	Superficial water				
Description	Chromaticism				
	Historic, architectural and archaeological properties				
Anthropic built-up areas	Anthropic built-up areas				
Landscape detractors					
Restrictions					

Landscape unit: Type-card