

# **CASE STUDY 1 (KNOWLEDGE): EIA OF A PORT PROJECT USING SCHEME OF THE PROGRAMMATIC AND PLANNING STAGES (USING THE FORMS AND DOCUMENTATION ON A REAL CASE-STUDY IN ITALY)**

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APAT

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## 1. Tourist port carrying out

The port has sufficient capacity for 330 boat-places; a sea surface about 60.000 mq; a land surface about 68.000 mq

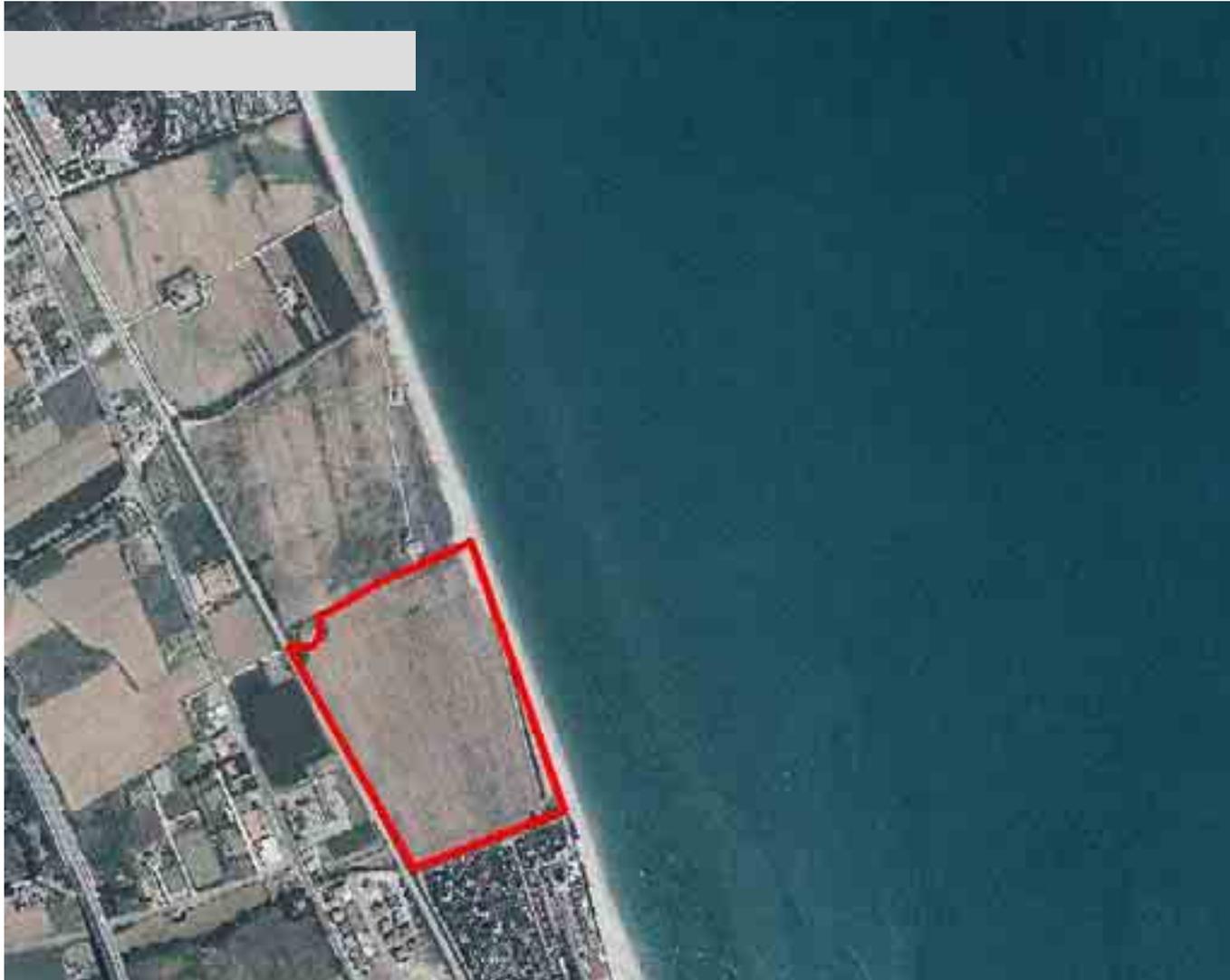
The study is furnished with:

- Programmatic phase report
- Planning phase report
- Environmental phase report
- Cartography
- Tables, graphs, matrixes
- Photographic documents
- Non technical synthesis report

## 2. Site map



### 3. Works area: air photo of



## 4. Works area: view from the top

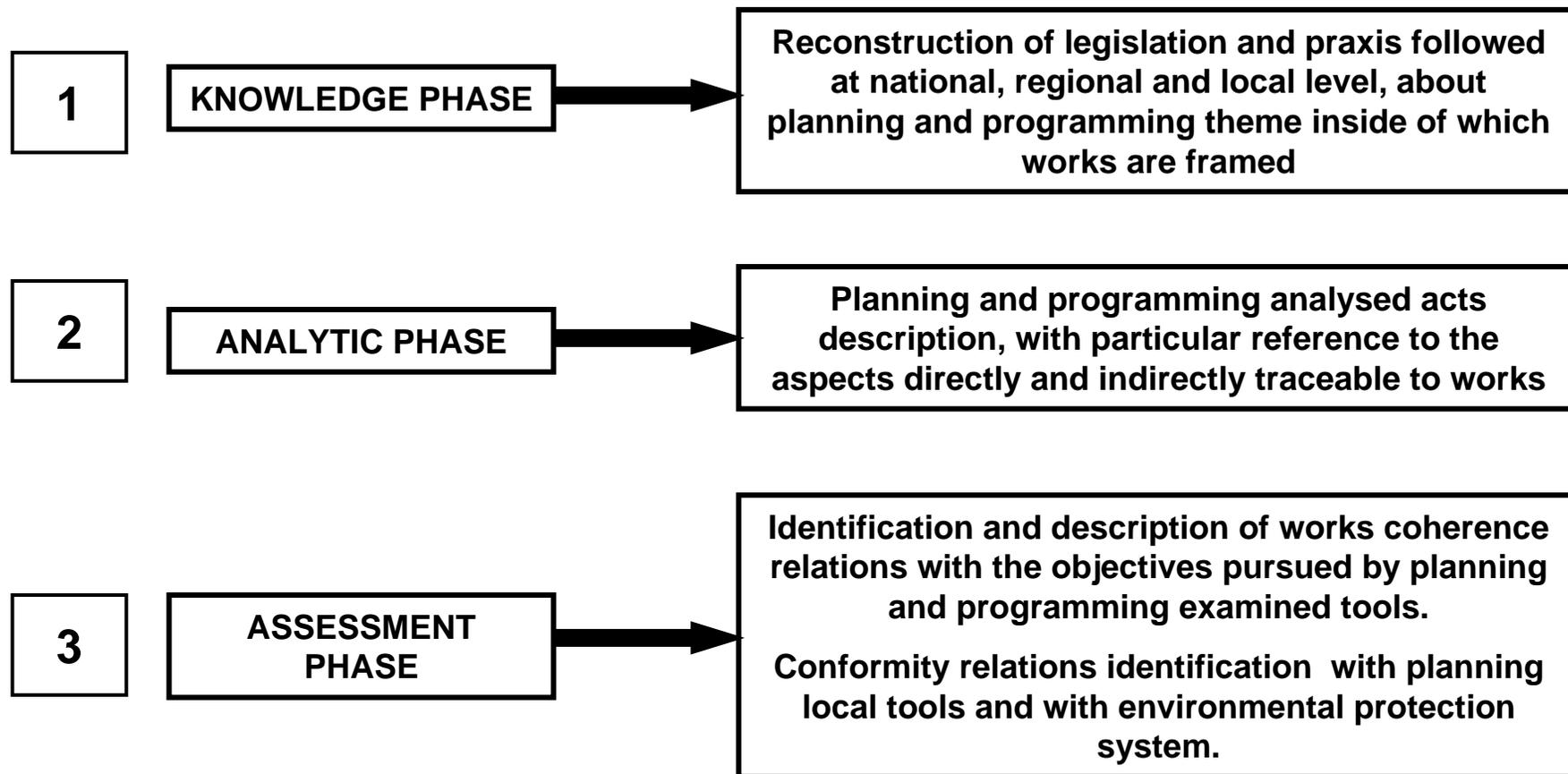


## 5. Works area: view from the sea



## 6. Programmatic phase

The programmatic phase is articulated in the following three parts:



## 7. Knowledge phase

- **Transport General Plan, with regard to portual systems**
- **Navigation Code and activities regulation**
- **Sectional Programmatic Plans : pleasure boating; fishing, commercial portual activities**
- **Coastal Plan**
- **Transport regional and provincial plans**
- **Works sectional regional plans in the national planning area: pleasure boating; fishing, commercial portual activities**
- **Other programming and financing tools**
- **Regional and wide area plans for the environmental protection and reclamation, territorial and landscape plans, coastal and sea environment protection**
- **Local town planning tools and portual scheme**

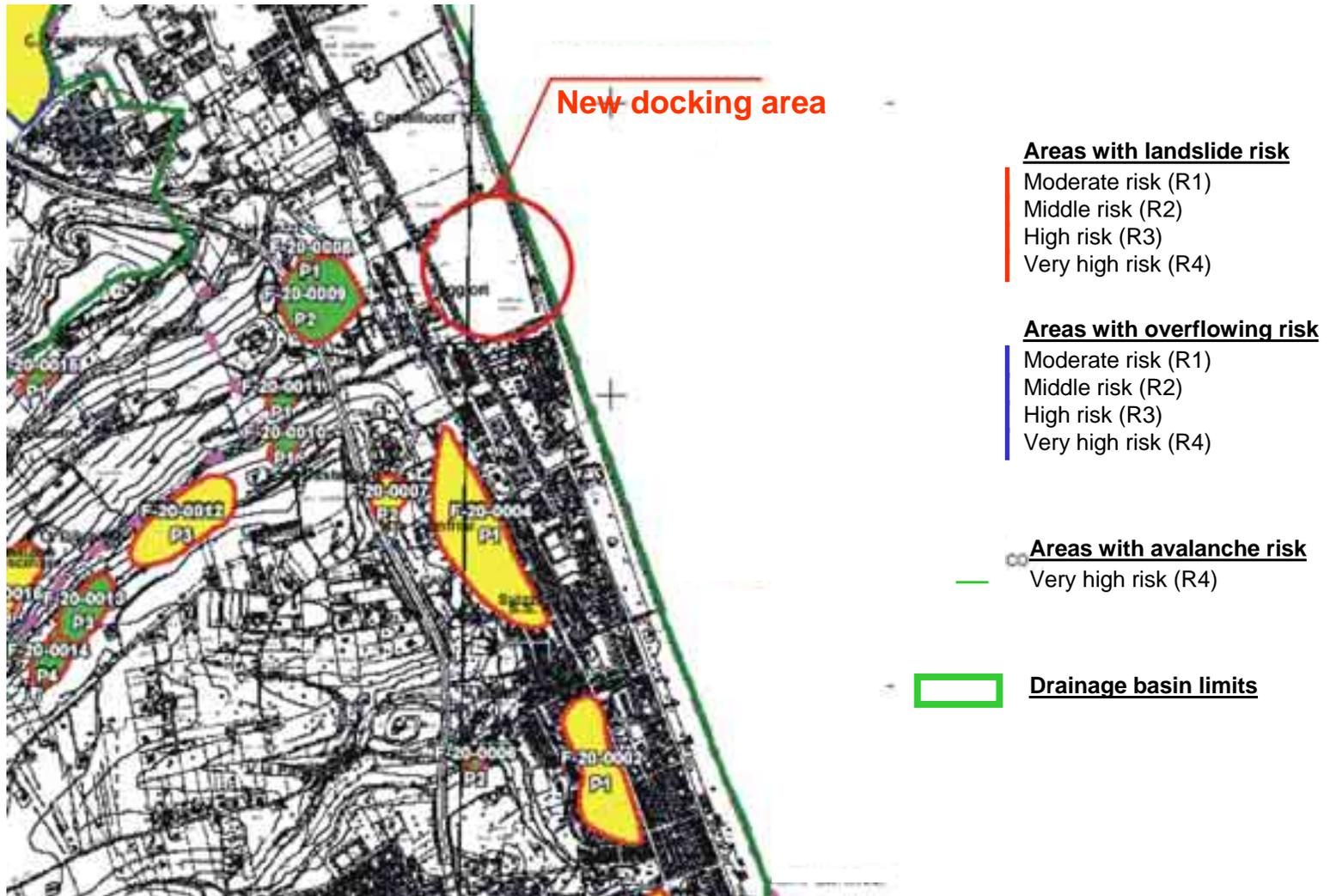
## 8. Analytic phase (a)

- Transport sector
- Hydrogeologic defence sector (hydrogeologic dangerousness areas; water protection plan; coastal areas integrated management plan)



Drainage basin n. 20

## 9. Analytic phase (b) (Hydrogeologic risk map)



## 10. Analytic phase (c)

- **Extractive activities sector and waste management sector (Extractive activities regional plan; Waste management regional plan; Extractive activities provincial plan; Waste management provincial plan)**
- **Economic and financial sector (Development regional programm; Territorial classification plan)**
- **Environmental regional landscape plan**
- **Provincial planning**
- **Local planning**

## 11. Assessment phase

- Direct interference relation
- Planning compatibility check (with all the sectors and at all levels)



Interested portual area

Protected areas presence and  
interference with works area



Rivers



Coastal line (300 m from shore)

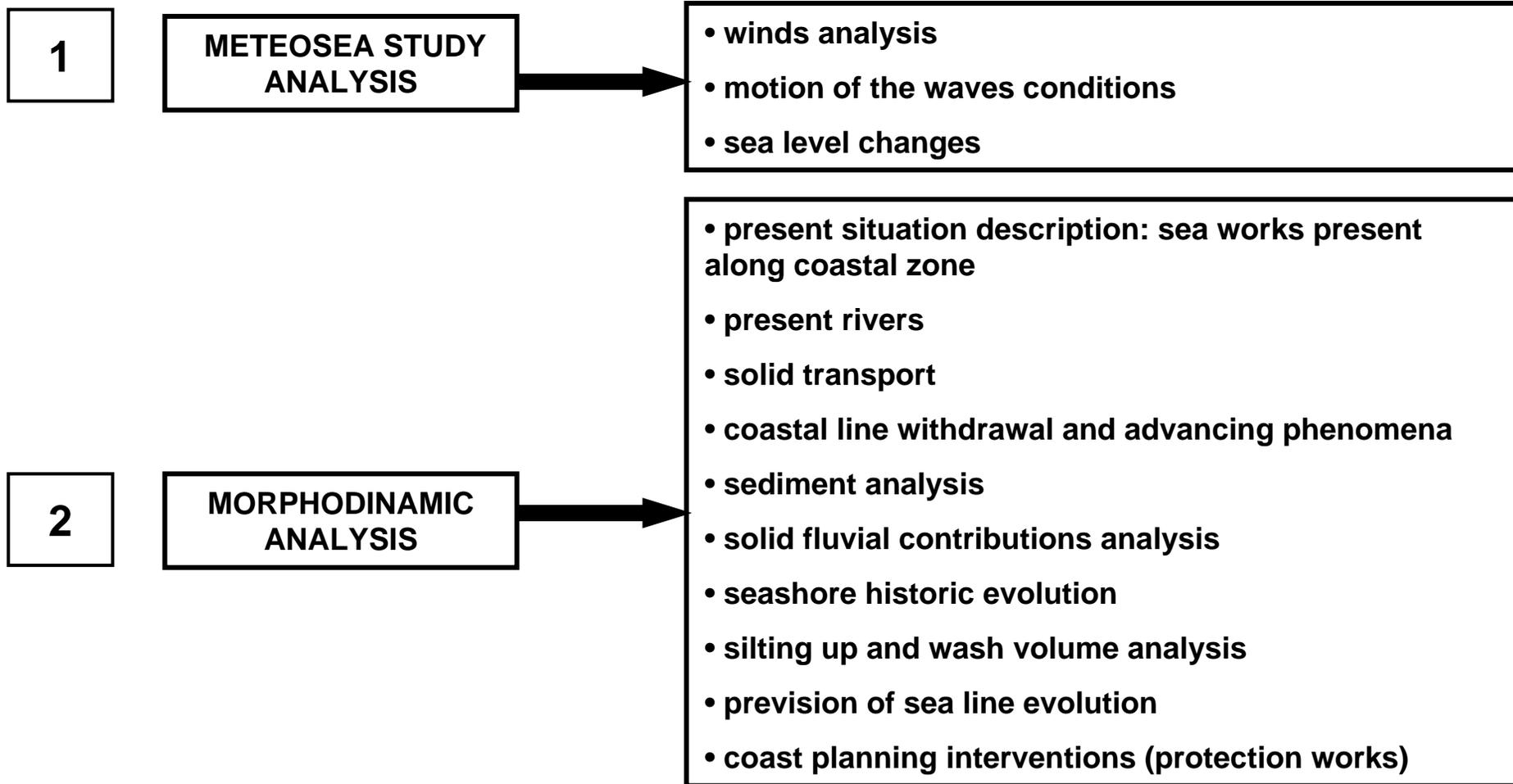


Protected areas (with decree)

## 12. Project compatibility check

<b>REGULATIONS</b>	<b>Transport sector</b>	• •
	<b>Hydrogeologic defence sector</b>	• •
	<b>Extractive activities and waste management sectors</b>	• •
	<b>Economic and financial sector</b>	• •
<b>PLANNING AND PROGRAMMING TOOLS</b>	<b>Regional level</b>	• •
	<b>Provincial level</b>	• •
	<b>Local level</b>	• •

## 13. Planning phase (a)



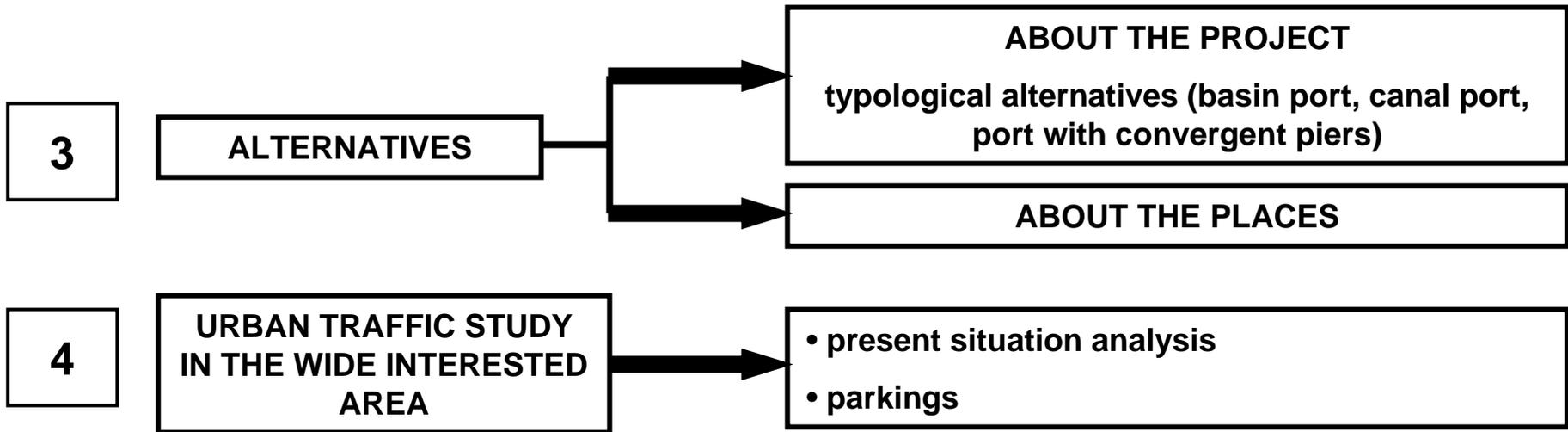
## 14. Planning phase (b)

3

WIDE AREA AND  
 PLACE AREA:  
 TERRITORIAL  
 SCHEME



## 15. Planning phase (c)



## 16. Planning phase (d)

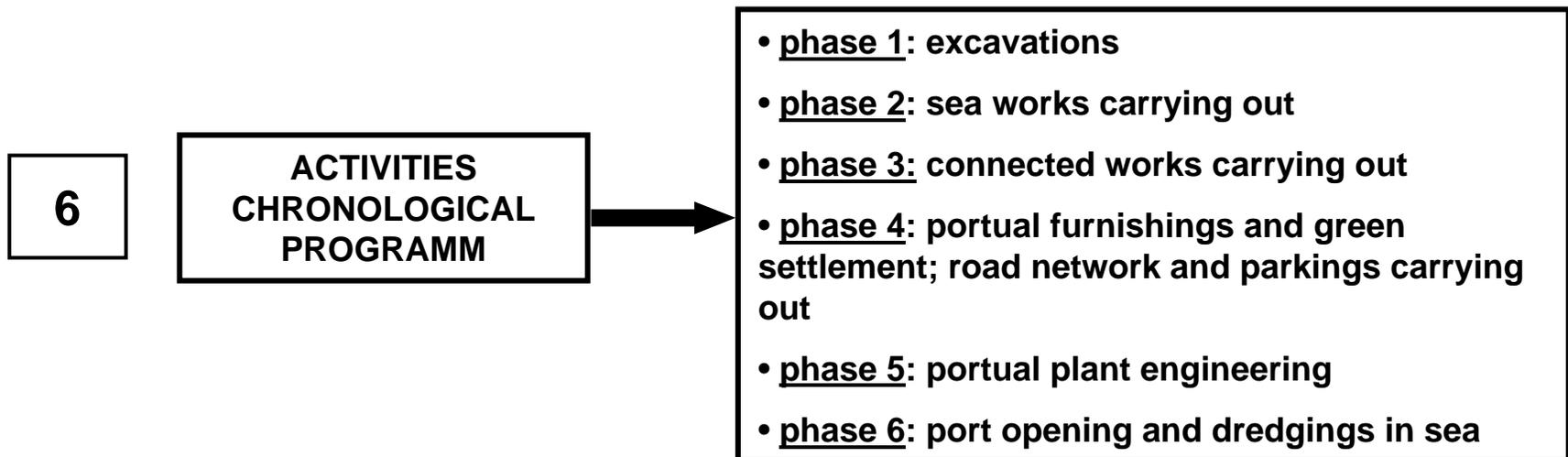
5

PROJECT  
CHARACTERISTICS  
DESCRIPTION

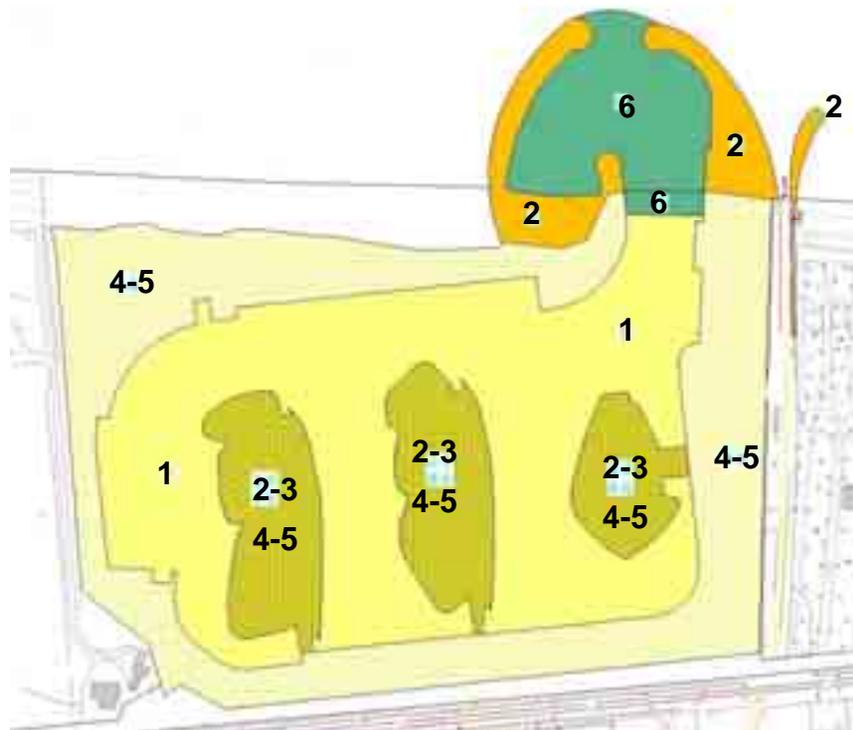


- project dimensions (basin surface and depth, land dock surface, foreseen boat-places, docking platforms length, and so on ...)
- architectural buildings of support to portual activities
- parkings on the land
- open to traffic and pedestrian road network
- green areas
- dredging works
- portual accessibility
- internal navigability
- technological plants (drinking water distribution system; sewer system; lighting system; fire-proof system; internal portual water ricirculation and oxygenation system; mooring system)
- natural resources use
- materials budget
- quarries

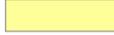
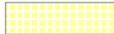
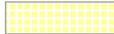
## 17. Planning phase (e)



## 18. Planning phase (f)



### LEGENDA

-  **phase 1: excavations**
-  **phase 2: sea works carrying out**
-  **phase 3: connected works carrying out**
-  **phase 4: portual furnishings and green settlement; road network and parkings carrying out**
-  **phase 5: portual plant engineering**
-  **phase 6: port opening and dredgings in sea**

## 19. Planning phase (g)

