

SIPRO Agenzia per lo Sviluppo - Ferrara

TERRITORIAL INFORMATION
SYSTEM ON DISMISSED
INDUSTRIAL SITES IN THE
PROVINCE OF FERRARA



ECOLAND
(An Ecological Approach for the Next Decades)

North **EAST** South West
INTERREG III C

04th February 2005



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INTRODUCTION

It's important to investigate the possibility of building a TEEA on a "VAST AREA", through the research, analysis and study of the basic characteristics of the territory

In the context of the local planning policies it's important to consider the possibility to reconvert dismissed sites

In this way the advantages for the territory are:

- **Reduce and optimize the use of the territory for the industrial activities**

For this reason a key tool is a database about the dismissed industrial buildings in the Province of Ferrara.

Objectives of the tool:

To collect and update information on the main features of the buildings, investigating the possibility of reconvertng the infrastructures.

FINAL OBJECTIVES

- ✓The Territorial Information System on dismissed buildings will lead to the optimisation of the urban planning and environmental policies.
- ✓The information gathered will be used by SIPRO for the activation of Territorial Marketing activities and instruments. In particular it will be possible to realize an interactive consultation/research service in a website (www.investinferrara.it). The database will be integrated with the services already active within the portal INVEST IN FERRARA

THE DATABASE OF THE TERRITORIAL INFORMATION SYSTEM (TIS)

The main information available (dataset) consists of a cartographic/geographic part and an alphanumerical part.

The technical and methodological approach followed in the construction of the TIS are perfectly coherent with other territorial informational instruments, already implemented in the Province of Ferrara and in the Emilia Romagna Region.

Cartographic information section



The geographical information are:

**CAD format: .dwg
autocad file**

and

**GIS format: .shp
shapefile esri)**

- ✓ Insertion of industrial and commercial areas;
- ✓ Urban centres;
- ✓ Municipal administrative boundaries and province boundaries;
- ✓ Road and rail infrastructures;
- ✓ Intermodal logistic centres
- ✓ Functional centres
- ✓ Environmental boundaries (parks, landscape elements etc)
- ✓ Regional Technical Cartography
- ✓ Aerial photographs (if available on province TIS source)
- ✓ Satellite orthophotographs (if available on province TIS source)
- ✓ ...



Alphanumerical data section (1)

1) General data describing the Dismissed Site

- ✓ References and referents of the municipal administration technical departments;
- ✓ General and location data (areas, general description etc.);
- ✓ History of the site and land registry data;
- ✓ Town-planning instruments in force;
- ✓ Fact-finding inquiries available (surveys, hydro-geological and geo-technical features etc.) and reclamation interventions implemented;
- ✓ Plant and technological networks available;
- ✓ Environmental services;
- ✓ Presence of functional centres and services to enterprises;
- ✓ Town-planning and environmental plans for recovery and upgrading.

Alphanumerical data section (2)

2)Detailed technical data on the Dismissed Site

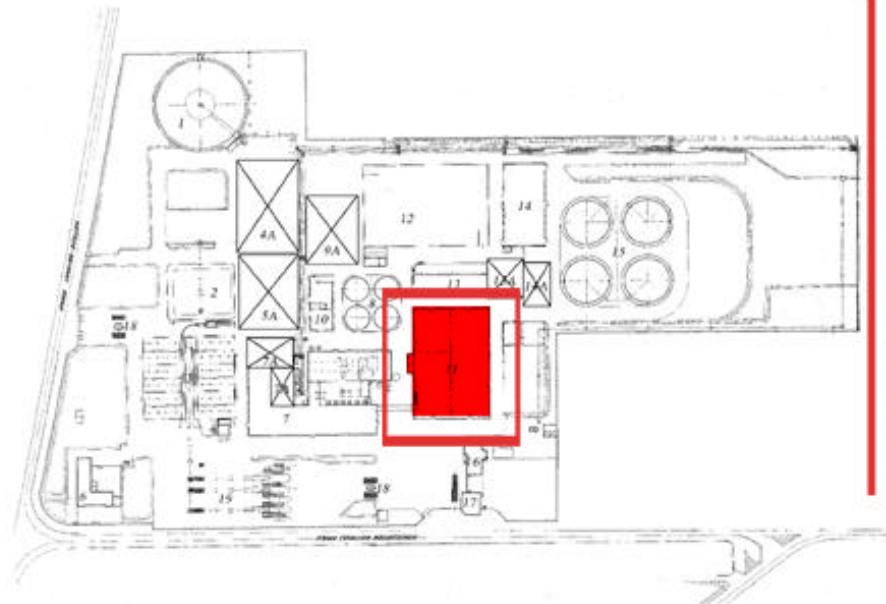
- ✓ site layout and technical data;
- ✓ state of buildings, areas, town-planning works and plant;
- ✓ Potential environmental pollution factors;
- ✓ General rehab/recovery interventions

3)Specific technical data on the functional areas/buildings of the dismissed site

- ✓ Detailed distribution and technical data on the functional area;
- ✓ buildings state of preservation, areas and plant;
- ✓ Potential environmental pollution factors;
- ✓ Specific rehab/recovery interventions.

Supplementary documentation

PLANIMETRIA 1/2000



LEGENDA

1. Clarificatore acque di pioggia e rispetto totale
2. Vaso sifonico
3. Sala macchine - deposito acqua da riserva addizionale
- 4A. Evaporatore acqua ricicla - 100 litri produzione prima prova
- 5A. Apparecchio di alluvione continua - spende prima prova
6. Deposito macchine (macchine addizionali)
7. Fabbrica principale di fabbrica - deposito continue macchine addizionali
8. Fabbrica macchine e olio combustibile
9. Sala e ufficio - deposito preparazioni tutte di casa
10. Ufficio meccanica e elettrica
11. **Magazzino macchine, materiale tecnico e ricambi**
12. **Magazzino acqua ricicla**
13. Magazzino acqua e carbone (casa - locali sempre impiegate)
- 14A. 12. Magazzino macchine e olio combustibile
15. Magazzino acqua e carbone (casa - locali sempre impiegate)
16. Magazzino acqua e carbone (casa - locali sempre impiegate)
17. Magazzino acqua e carbone (casa - locali sempre impiegate)
18. Magazzino acqua e carbone (casa - locali sempre impiegate)
19. Magazzino acqua e carbone (casa - locali sempre impiegate)
20. Magazzino acqua e carbone (casa - locali sempre impiegate)

North EAST South West
INTERREG IIIC

ECOLAND
An Ecological Approach for the Next Decades

Progetto per la messa in sicurezza dell'ex zuccherificio di Comacchio



FABBRICATO 11
individuazione



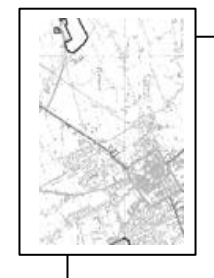
Possibility of purchasing, managing and structuring graphic and photographic documentation regarding the individual sites and the related functional areas.

A SURVEY KIT FOR ACQUIRING INFORMATION

1) Acquire indications and general information on dismissed sites from the municipal technical departments of the Province of Ferrara.

2) Detailed information will subsequently be acquired through in-depth inquiries and surveys in the field.

For both phases it was decided to use a special SURVEY KIT, useable either in hard copy version or digital version on CD-ROM.



SURVEY KIT FOR ACQUIRING INFORMATION



1° section

Instruction kit

Map of the municipality

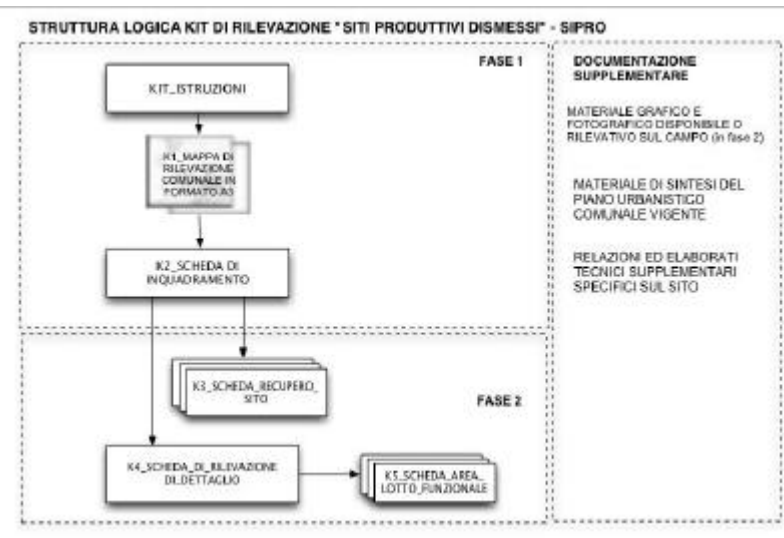
General classification file

2° section

detailed technical data

buildings and plants data

Information about the possibility of reuse or reconversion



Supplementary documentation

Graphic and photographic documents

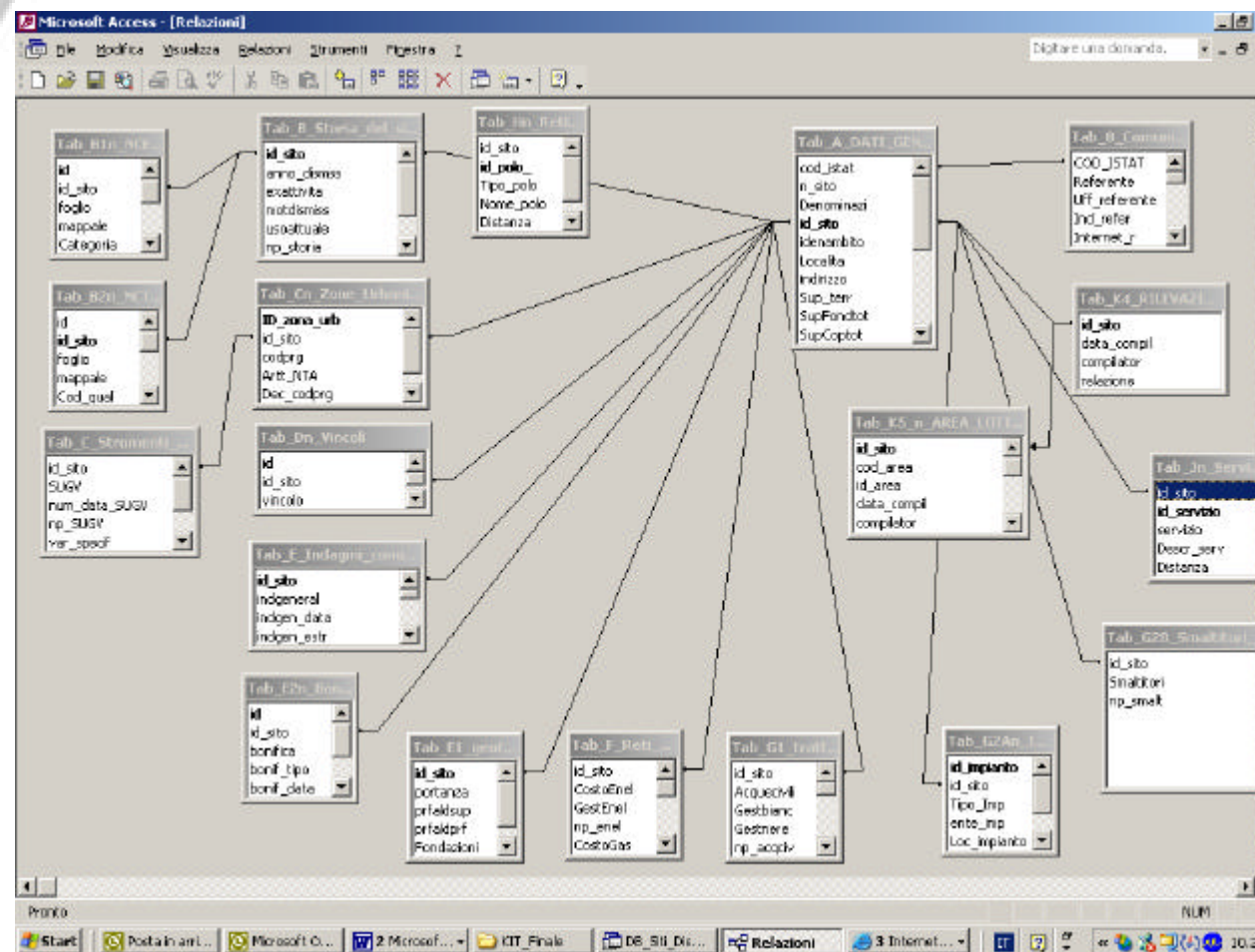
Urban Plan of the municipality

Other specific technical documents

Selection criteria

- ❖ The Criteria of selection of the dismissed sites are:
 - ✓ priority criteria,
 - ✓ criteria concerning: dimension, destination, technical and economical feasibility, urban and environmental interest,
 - ✓ and so on.

Diagram of DB relationship



Masks for the management of the DB

DATA BASE SITI INDUSTRIALI DISMESSI - SIPRO

COMUNE DI COPPARO Codice Istat Comune: 38007

SITO DISMESSO N° **01** Denominazione: **Area Produttiva Via Primicello**

id_sito: **38007S01** Data compilazione: **16-02-2004** AMBITO ATLANTE RER: **ZI. Copparo**

SELEZIONA SITO DISMESSO

← **NUOVO SITO** →

INTRO | SITO | CATASTO | STRUM. URBANISTICI | INDAGINE - GEOTECNICA E BONIFICHE AMB. | RETI TECNOLOGICHE | ACQUE REFLUE | RIFIUTI INDUSTRIALI | POLI FUNZIONALI E SERVIZI

RETE INFRASTRUTTURALE E POLI FUNZIONALI

id_polo	Tipo	Nome	Note	Distanza (Km)
27	Strada Statale	Transpolesana		25
28	Strada Statale	Roma		35
29	Casello Autostradale	A 13 Ferrara Sud		21
30	Stazione Ferroviaria	Ferrara		18
31	Aeroporto	Marconi di Bologna		70
32	Porto	Ravenna		80

* (Contatore)

Record: 14 | 1 | di 6

SERVIZI ALLE IMPRESE

id_servizio	Servizio	Descrizione	Distanza (km)	id
35	Vigili del Fuoco	In futuro è previsto all'interno del comparto	0,5	38007S
36	Ospedale/Pronto Soccorso		0,5	38007S
37	Centri per l'impiego/Agenzia di lavoro		0,5	38007S
38	Centro di formazione avanzata	CESTA	2	38007S
39	Distributore carburante		0,1	38007S

Record: 14 | 1 | di 11

Start | Posta in arrivo... | Elenco Contatti... | Relazione_SIT... | KIT_Finale | DB_Siti_Dis... | 3 Internet Ex... | 10.36

SELEZIONA SITO DISMESSO

← **NUOVO SITO** →

INTRO | SITO | CATASTO | STRUM. URBANISTICI | INDAGINE - GEOTECNICA E BONIFICHE AMB. | RETI TECNOLOGICHE | ACQUE REFLUE | RIFIUTI INDUSTRIALI | POLI FUNZIONALI E SERVIZI

RETE INFRASTRUTTURALE E POLI FUNZIONALI

id_polo Tipo Nome Note Distanza (Km)

27 Strada Statale Transpolesana 25

28 Strada Statale Roma 35

29 Casello Autostradale A 13 Ferrara Sud 21

30 Stazione Ferroviaria Ferrara 18

31 Aeroporto Marconi di Bologna 70

32 Porto Ravenna 80

* (Contatore)

Record: 14 | 1 | di 6

SERVIZI ALLE IMPRESE

id_servizio Servizio Descrizione Distanza (km) id

35 Vigili del Fuoco In futuro è previsto all'interno del comparto 0,5 38007S

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Record: 14 | 1 | di 11

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Interesse/attrazione

Attività economiche
prevalenti esistenti sul
territorio consolidato

La vocazione produttiva di Copparo è storicamente quella della meccanica e dell'abbigliamento; vi sono comunque alcune interessanti aziende legate all'elettronica.

Tra le aziende più rappresentative si annovera la Berco, leader nel settore meccanico, che occupa oltre 2500 addetti.

Start-up of TIS and online publication in Webgis format

The Geographical Information System can subsequently be published online in Web GIS format, exploiting available technologies, using the Scalable Vector Graphics and the techniques of web publishing of dynamic pages.



THANKS!

