Triest, 8-9 may 2008

Catasto Stagni

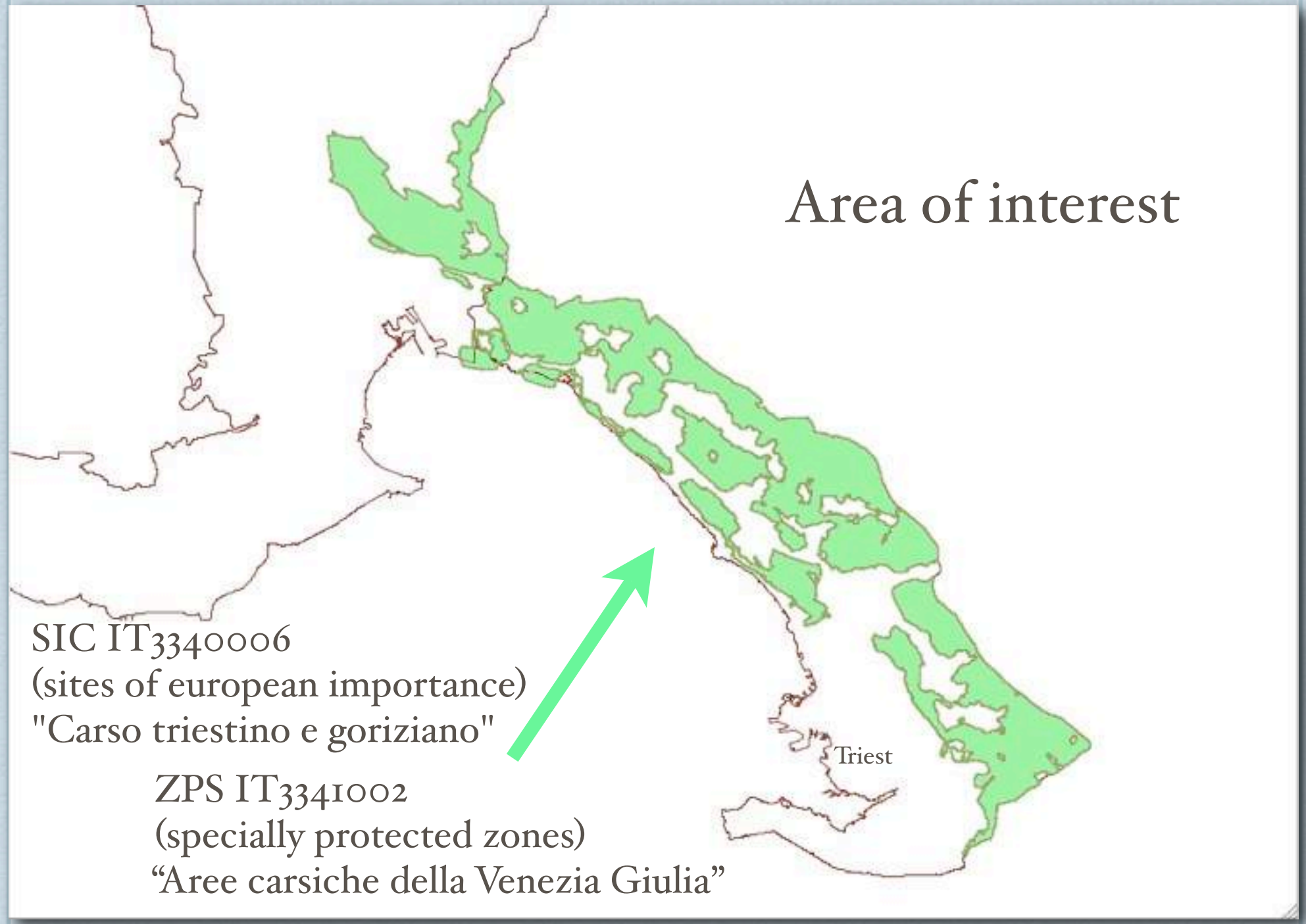
example of gvSIG use

dott. Gaia Fior

Catasto Stagni

- This project has been financed by the “Regione autonoma Friuli Venezia Giulia” and is part of the monitoring projects for “Natura 2000” areas
- the major objective is the creation of a census for the existing waterholes in the protected areas of the provinces of Trieste and Gorizia

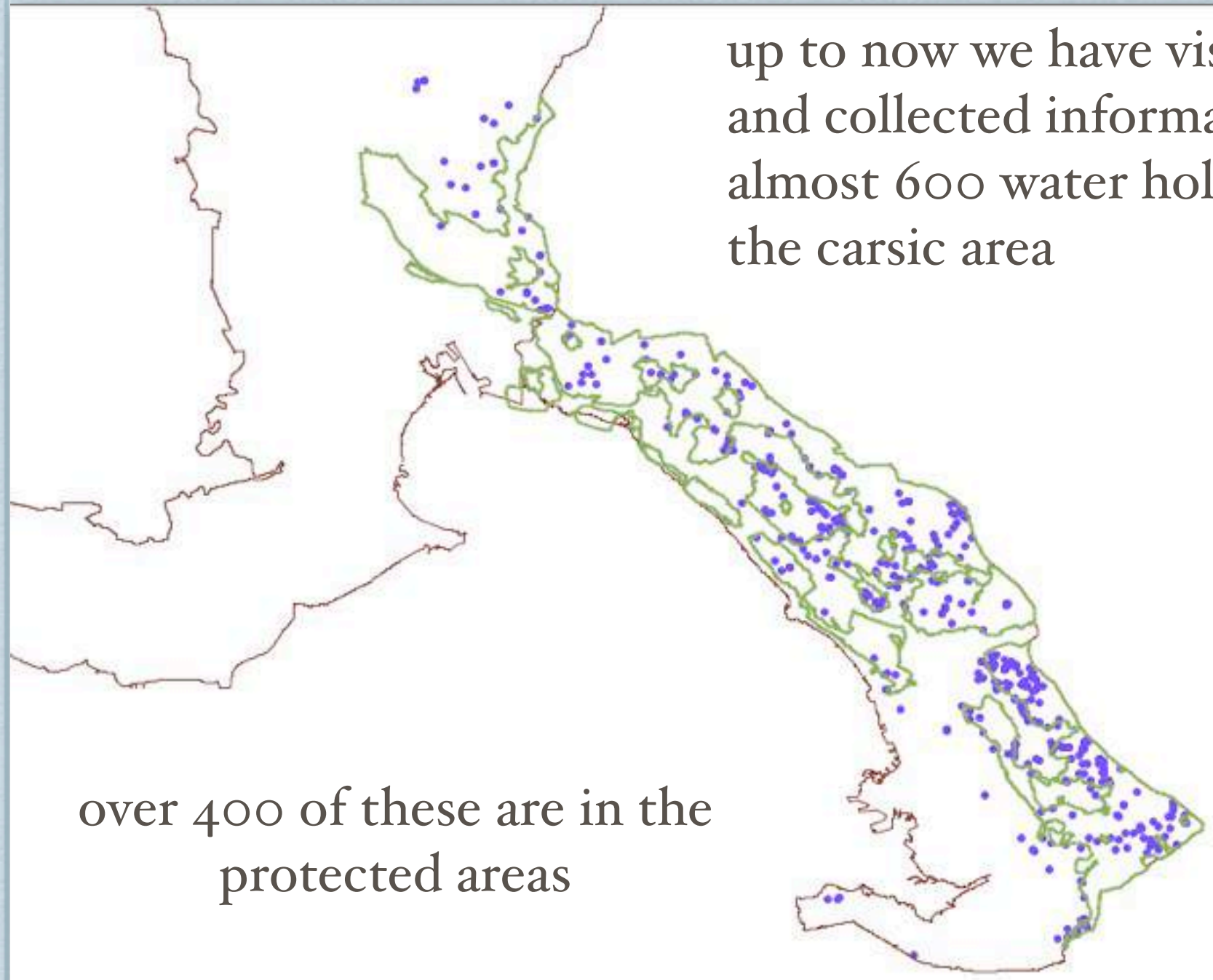
Area of interest



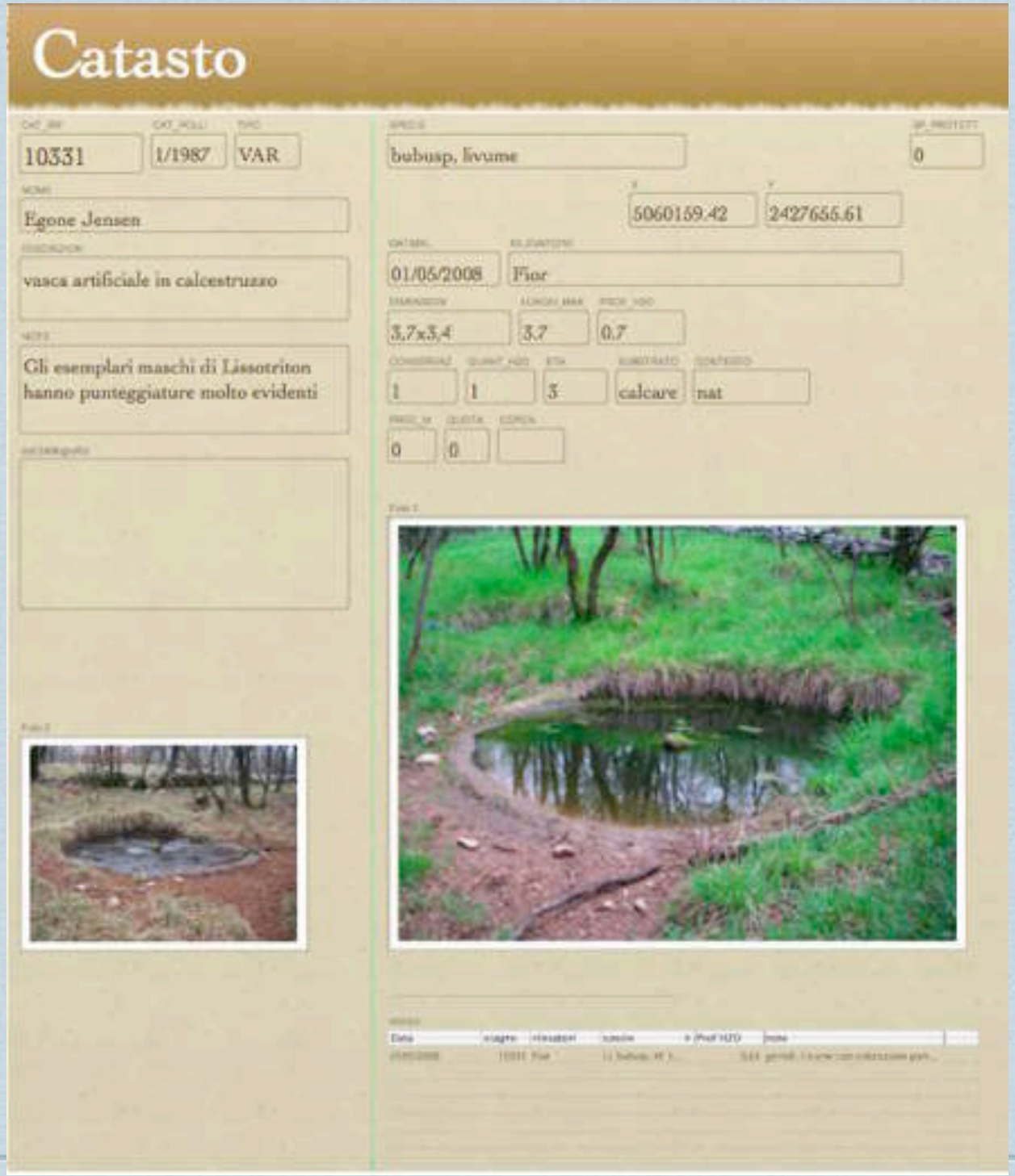
SIC IT3340006
(sites of european importance)
"Carso triestino e goriziano"

ZPS IT3341002
(specially protected zones)
“Aree carsiche della Venezia Giulia”

up to now we have visited and collected information on almost 600 water holes in the carsic area



over 400 of these are in the protected areas

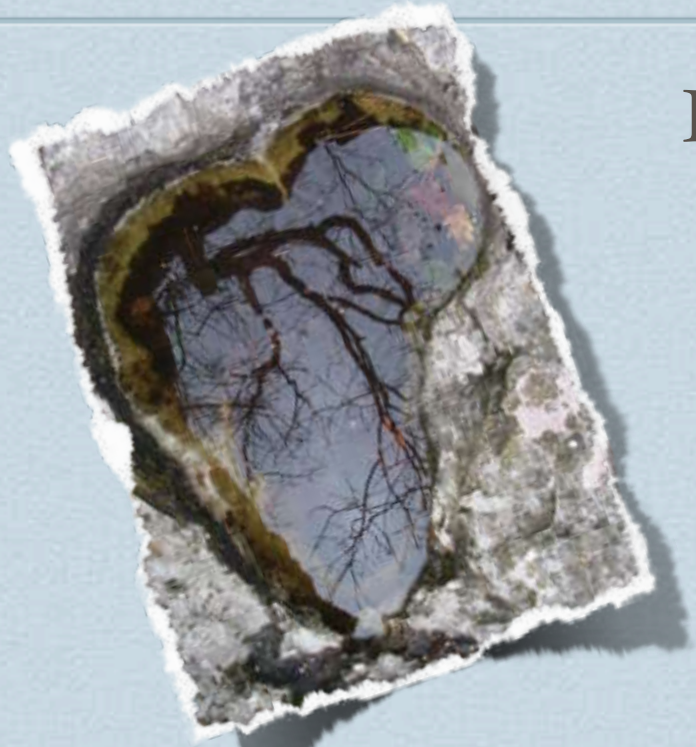


Field data collected for each water hole

- size
- historical name
- depth
- conservation status
- fauna
- info on surrounding area
- ...

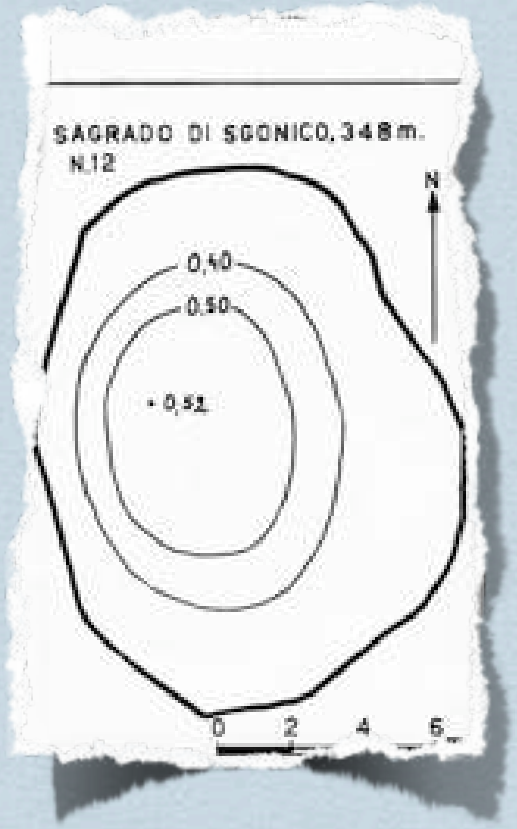
- Different types of informations are then collected for each habitat and should be stored and linked in a convenient way

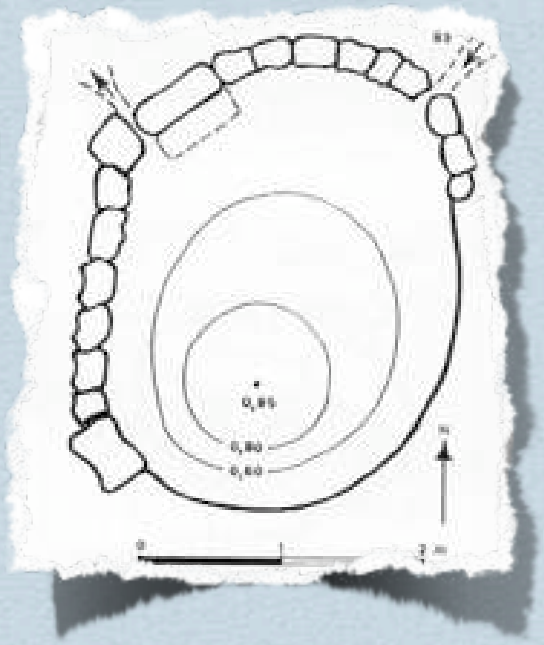
Photographs

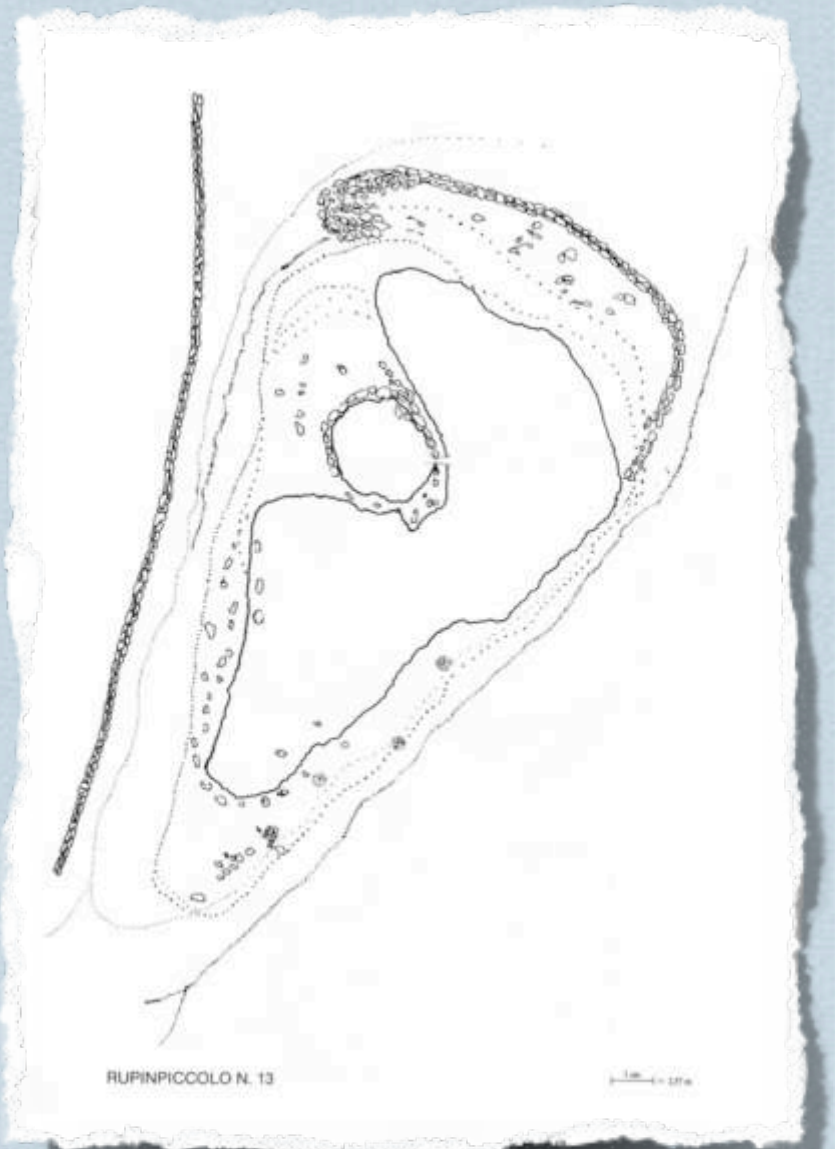


Photographs

Historical documents







Calligaris, R. (1985): Gli stagni della Provincia di Trieste. Atlante. Atti Mus. civ. St. nat., Trieste. 36, pp.3-111.
Polli, S., Alberti, G. (1969): Gli stagni della Provincia di Trieste. Primo contributo. Atti Mus. civ. St. nat., Trieste. 26 (4), pp.81-127.
Polli, S., Polli, E. (1985): Gli stagni della Provincia di Trieste. Terzo contributo. Atti Mus. civ. St. nat., Trieste. 37 (1), pp.1-101.

Historical documents

72 SILVIO POLLI, ELIO POLLI

Fig. 13 - S. Daniele della Valle, N. 65, q. 41 m. 28.12.1981 (Foto E. Polli).

Polli, S., Polli, E. (1985): Gli stagni della Provincia di Trieste. Terzo contributo. Atti Mus. civ. St. nat., Trieste. 37 (1), pp.1-101.
Dolce, S., Stoch, F., Palma, M. (1991): Stagni carsici. Storia – Flora – Fauna. Edizioni Lint, Trieste.

Databases

Catasto

CAT_IRF	NOME	TIPO	X	Y	DESCRIZION
10356		VDN	5068275.08	2417710.75	3 vasche dissoluzione natu
10357			5068262.90	2417646.10	
10358		VDN	5068565.99	2417529.55	vasca dissoluzione naturale
10359	Stagno Bertrandi	STN	5068456.88	2417465.51	stagno in fondo a dolina
10360		CIS	5082450.72	2405823.15	cisterna
10361			5076718.68	2409596.19	vasca
10362		VDN	5067643.74	2418549.90	vasca d luzione natur
10363		VDN	5067622.86	2418626.07	vasca di luzione natur
10364		VDN	5067666.99	2418737.92	vasca di dissol ione natur
10365		VDN	5067657.16	2418757.91	4 vasche di dissol ione nat
10366		VDN	5067593.27	2418793.76	vasca di dissoluzio natur
10367		VDN	5067587.49	2418863.56	vasca di dissoluzione tur
10368		VDN	5067528.74	2418888.83	vasca di dissoluzione na
10369		VDN	5067528.00	2418901.32	2 vasche di dissoluzione n
10370		VDN	5067529.17	2418906.58	8 vasche di dissoluzione na
10371		VDN	5067533.81	2418917.77	vasca di dissoluzione natu
10372		VDN	5067635.04	2419319.16	vasca di dissoluzione natur
10373		VDA	5067478.77	2419235.33	vasca di dissoluzione adatt
10374		VDN	5067374.36	2419191.50	vasca di dissoluzione natur
10375		VDN	5069024.34	2416992.52	Vasca di dissoluzione natur
10376		VDN	5065852.55	2418980.94	vasca dissoluzione naturale

database with up to date information on the habitat

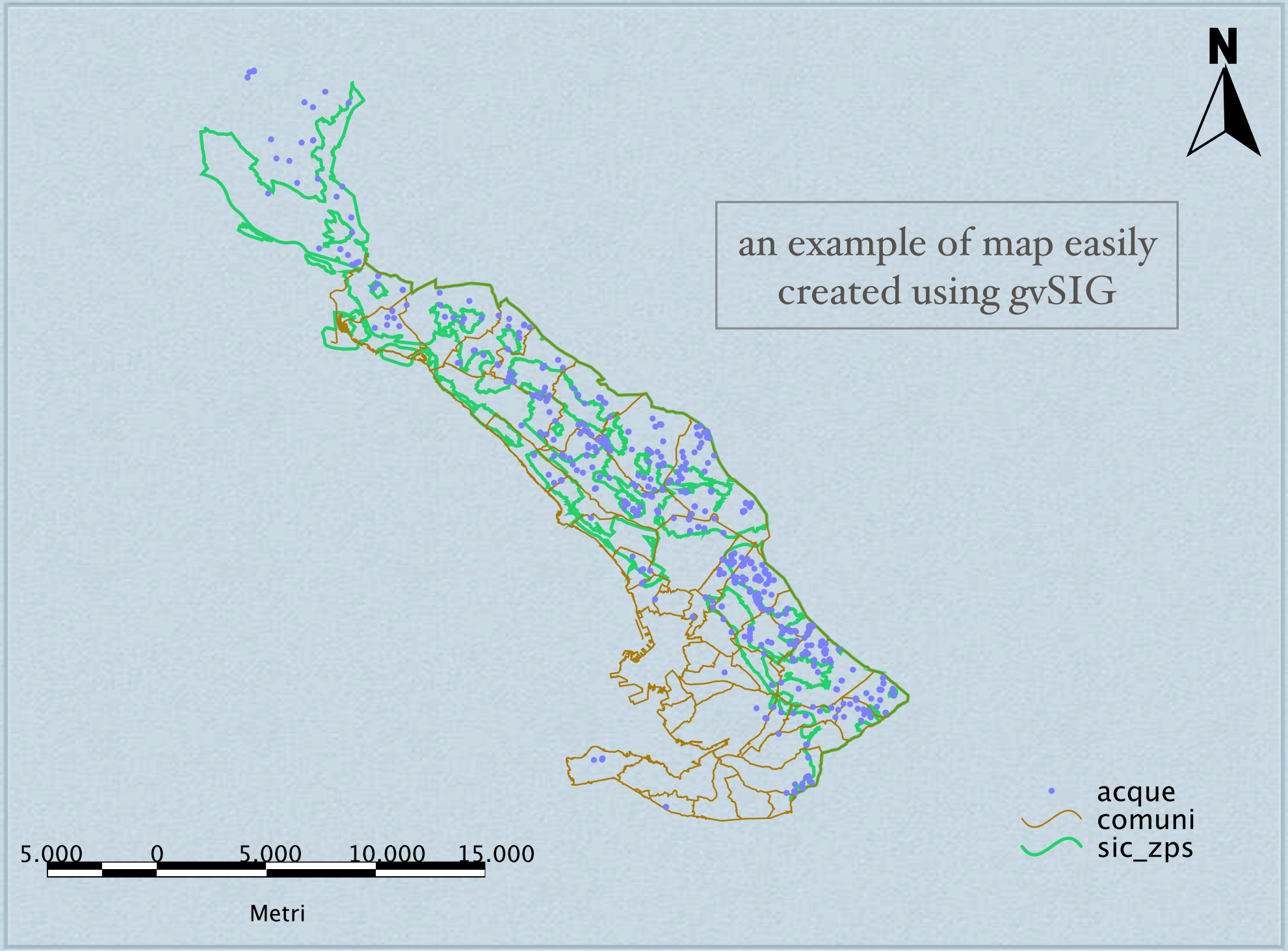
Rilievi

stagno	Data	rilevatori	specie	Prof H2O	not
10460	20/04/2008	Fior	4 livume	0,17	
10459	21/04/2008	Fior, Sgambati A.	-	0,00	vas
10359	20/04/2008	Fior	-	0,40	ac
10359	12/02/2008	Michelini	-	0,40	
10359	23/03/2008	Tutori stagni	3F bubusp morti	0,40	
10358	20/04/2008	Fior	-	0,03	
10331	01/05/2008	Fior	LL bubusp, 4F 3M livume	0,65	ge
10329	01/05/2008	Fior		0,26	za
10313	06/05/2008	Andreuzzi, Fior, Polli, Sgambati ...		0,04	
10312	06/05/2008	Andreuzzi, Fior, Polli, Sgambati ...		0,15	
10310	06/05/2008	Andreuzzi, Fior, Polli, Sgambati ...	livume	0,70	
10286	28/04/2008	Fior	LL bubusp	0,40	lar
10285	28/04/2008	Fior	LL bubusp, chara	0,40	lar
10284	28/04/2008	Fior	LL bubusp	0,40	co
10281	28/04/2008	Fior	1F livume	0,39	LL
10280	28/04/2008	Fior		0,39	zo
10257	28/04/2008	Fior	LL bubusp, LL sasasa	0,50	LL
10198	21/04/2008	Fior, Sgambati A.	trca	0,50	alg
16	03/05/2008	Fior, Fonda	LL bubusp, LL hyar, 1...		
7	19/04/2008	Fior	LL rada, LL bubusp, 3...		

database with all the historical observations

- project started in 2006 on a professional GIS software (which is expensive and works only on Windows)

- our aim is to migrate to gvSIG, an open source software that also gives us the opportunity to work on osx


N
an example of map easily created using gvSIG
5.000
0
5.000
10.000
15.000
Metri
acque
comuni
sic_zps

most of our work
is carried out in
the carsic area

the gvSIG Mobile
pilot helps us to carry
all our updated data
with us

Grazie per la cortese attenzione!!

Muchas gracias!

Thank you!