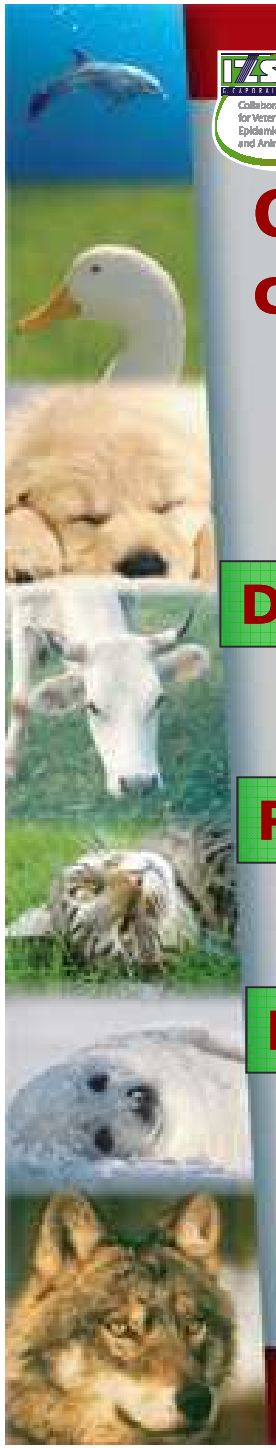
Surveillance network of Reoviruses, Bluetongue and African Horse Sickness, in the Mediterranean basin and Europe.

SIXTH FRAMEWORK PROGRAMME PRIORITY 8.1

Carla Ippoliti, Annamaria Conte, Lara Savini, Alessio Di Lorenzo

Lisbon, 2-4 December 2009



Collaborating Centre for Veterinary Training, Epidemiology, Food Safety and Animal Welfare

Overall coordination

WP7

Regional surveillance of virus activity & vaccination WP1	Regional surveillance of vector WP2	Molecular epidemiology WP3

Database & GIS

WP4

Risk assessment

WP5

Meetings

WP6

Tools: diagnostic	Data and protocol	vaccination	Tools: diagnostic	Data and protocol	vaccination

WP4 - WEB-GIS objective

- To develop web-GIS services in order to:
  - Display and spread information related to BT, AHS, EHD
  - Provide an interactive, dynamic mapping system

Indirizzo http://medreonet.cirad.fr/

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Medreonet

SURVEILLANCE NETWORK OF REOVIRUSES, BLUETONGUE AND AFRICAN HORSE SICKNESS, IN THE MEDITERRANEAN BASIN AND EUROPE

Sixth Framework programme
044285
Scientific Support to Policies (SSP)

Medreonet
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Medreonet

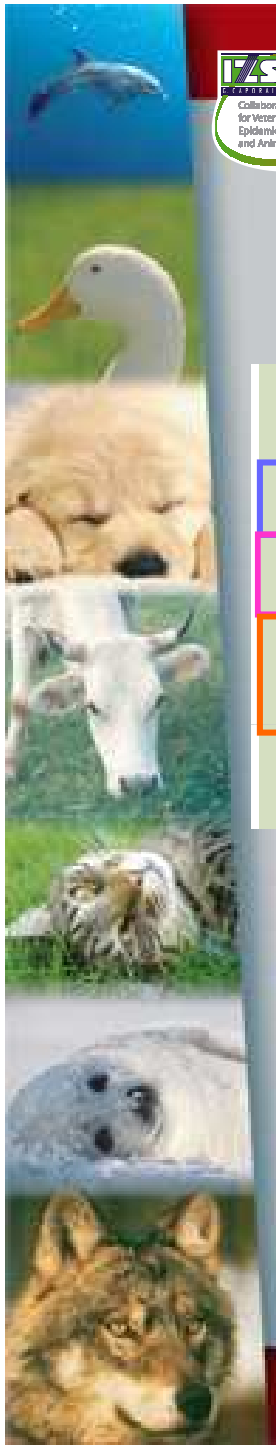
Medreonet is a EU funded coordination action aimed at the enhancement of surveillance of Culicoides- transmitted diseases: B Horse Sickness and Epizootic Haemorragic Disease.

Medreonet is focusing on **sharing** and **exchanging** data, expertise, experiences and information via regular meetings, maintain an systems, setting a **European database** including surveillance, disease occurrence, virus isolation and vaccine use.

It will also focus on diagnostic and control tools and ensure wide dissemination of information to all concerned parties.

Note that Medreonet is neither funding research activities nor substituting to national surveillance framework.

As pointed out by Dr P Mellor (IAH, EU reference lab) during Medreonet Kick off Meeting (02/02/2007), 11 introductions of BT strains were recorded since 1998 around Mediterranea a analysis of the strains involved showed that there exist different serotypes that have been int inside the group formed by a serotype different strains can be identified. This highlight tl exchange of strains between research institutes allowing more in depth analysis of the r strains, origins.



Available maps

Maps

- Bluetongue
- African horse sickness
- Epizootic haemorrhagic disease

Bluetongue

Avalaible maps on Bluetongue Survey

- map of outbreaks distribution
- map of entomological distribution
- map of serological distribution

African Horse Sickness

Avalaible maps on African Horse Sickness Survey

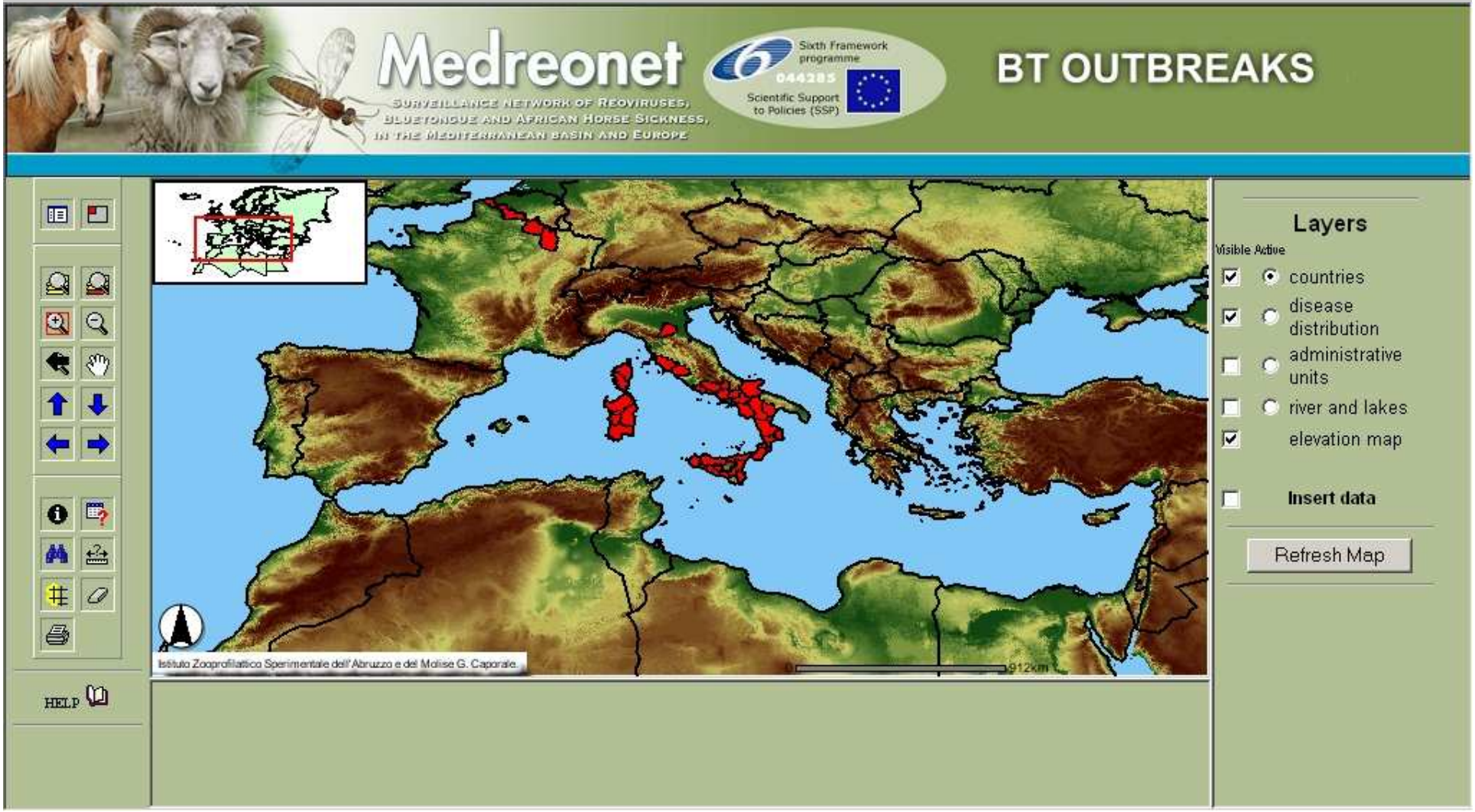
- map of entomological distribution
- map of outbreaks

Epizootic Haemorrhagic Disease

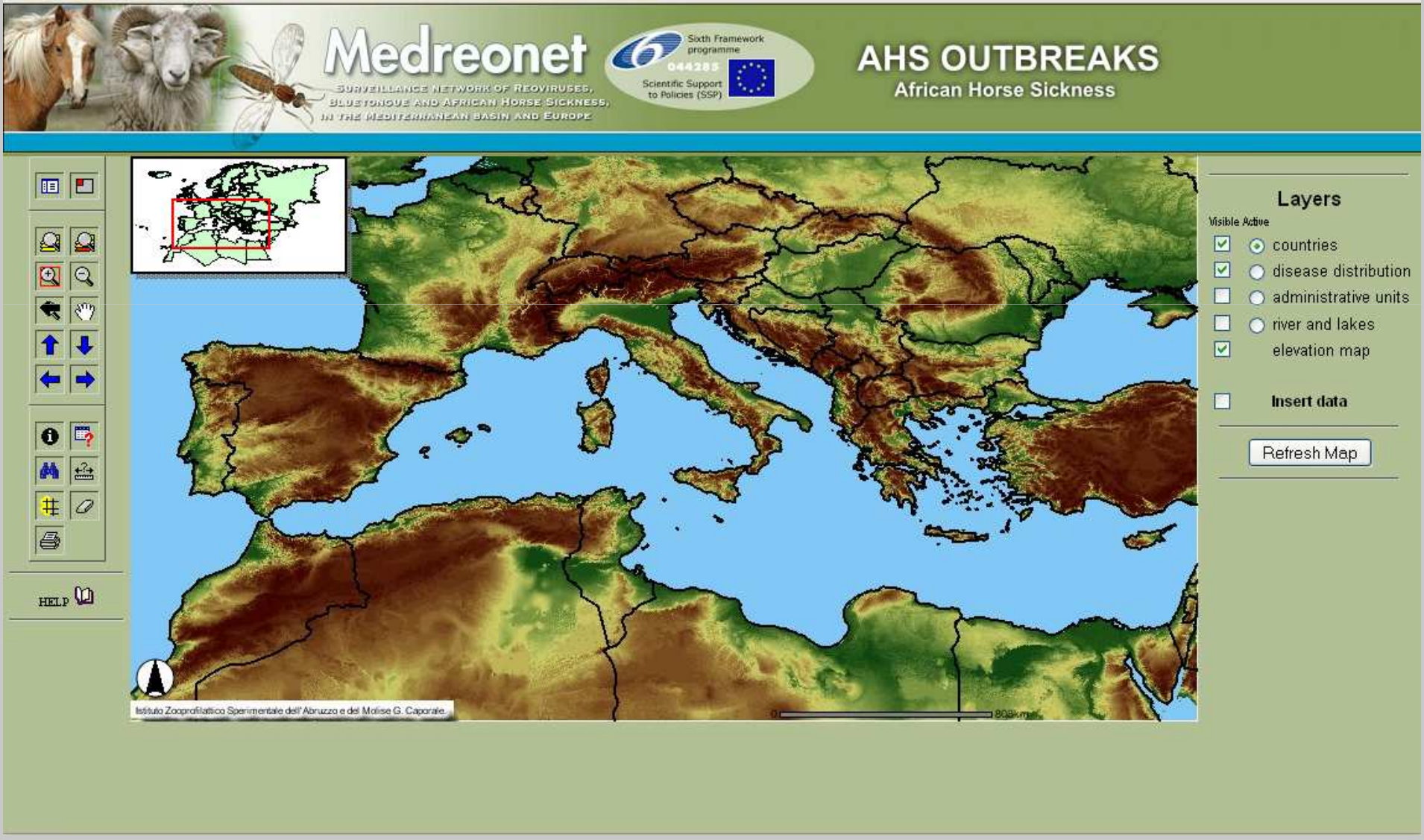
Avalaible maps on Epizootic Haemorrhagic Disease Survey

- map of entomological distribution
- map of outbreaks

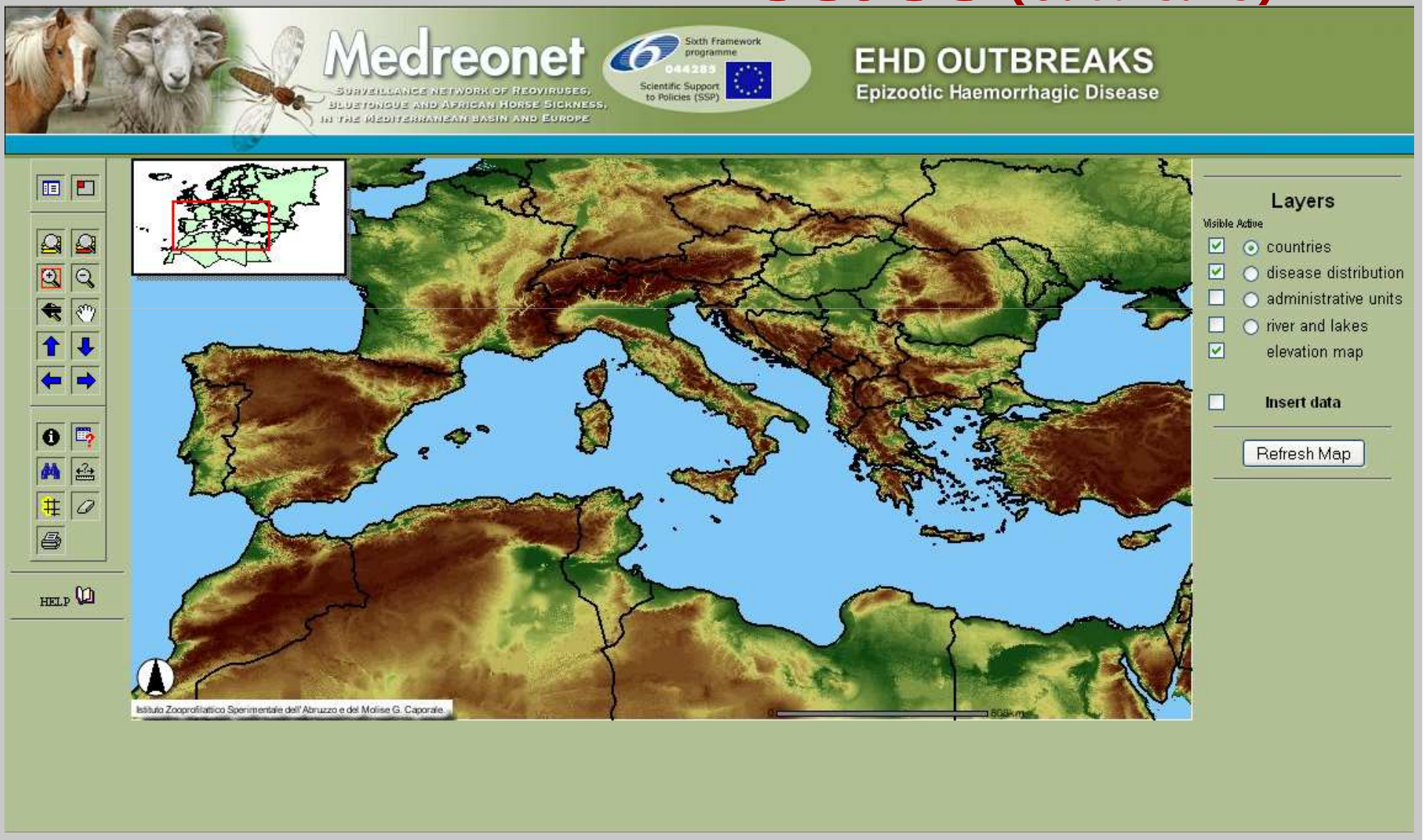
Bluetongue
(outbreaks)



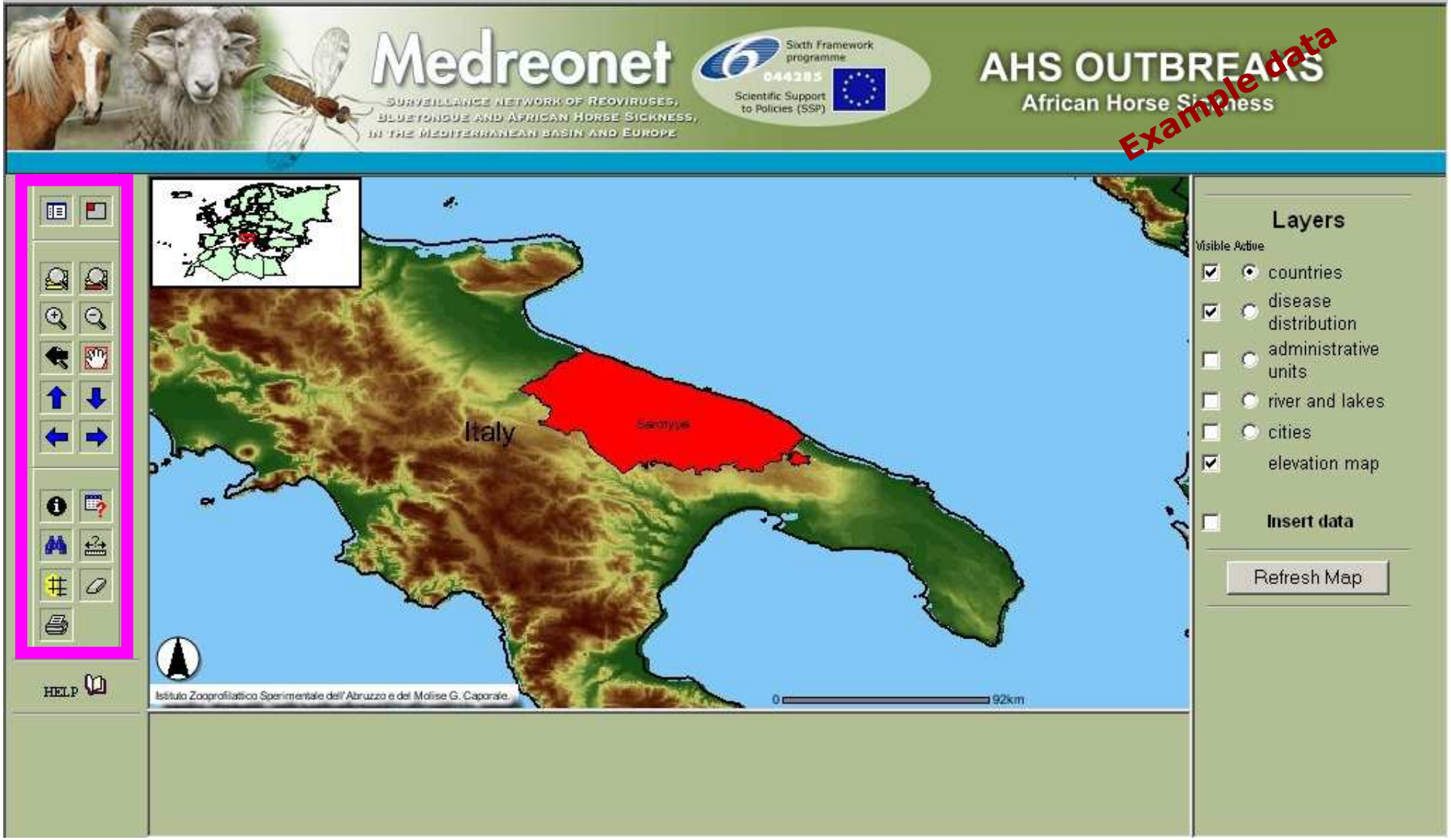
African Horse Sickness
(outbreaks)



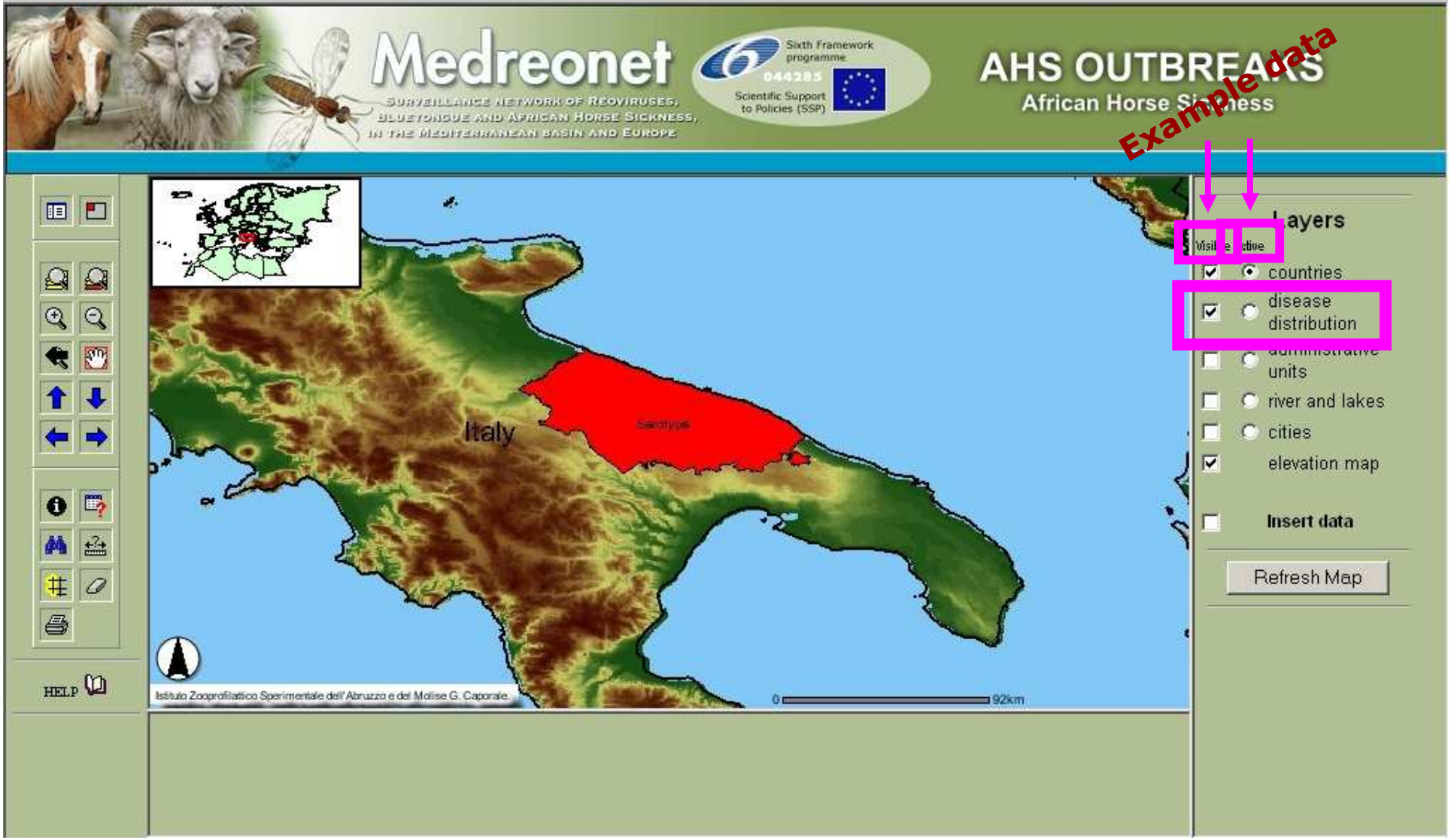
Epizootic Haemorrhagic Disease (outbreaks)



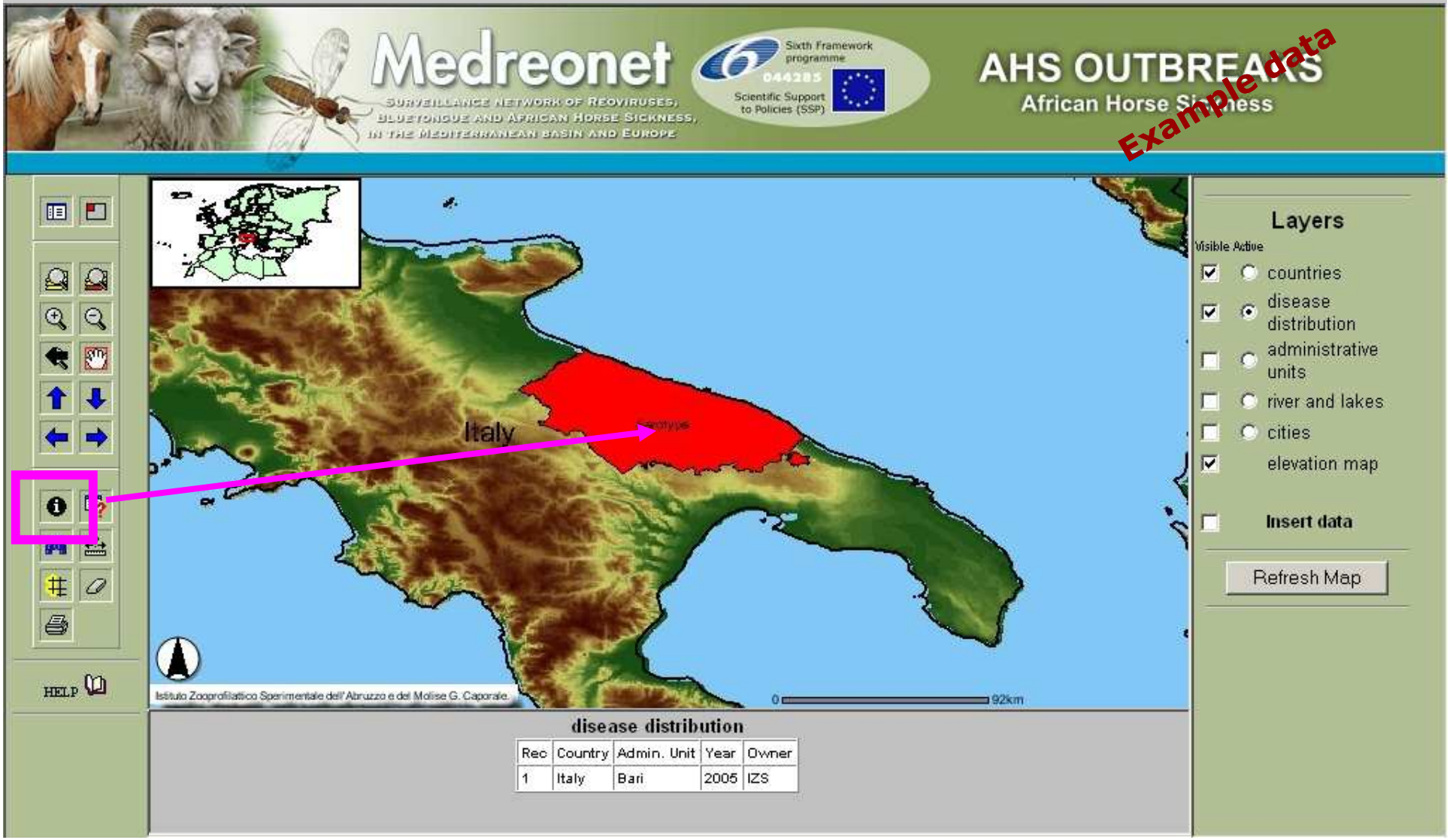
Map interaction: standard navigation tools



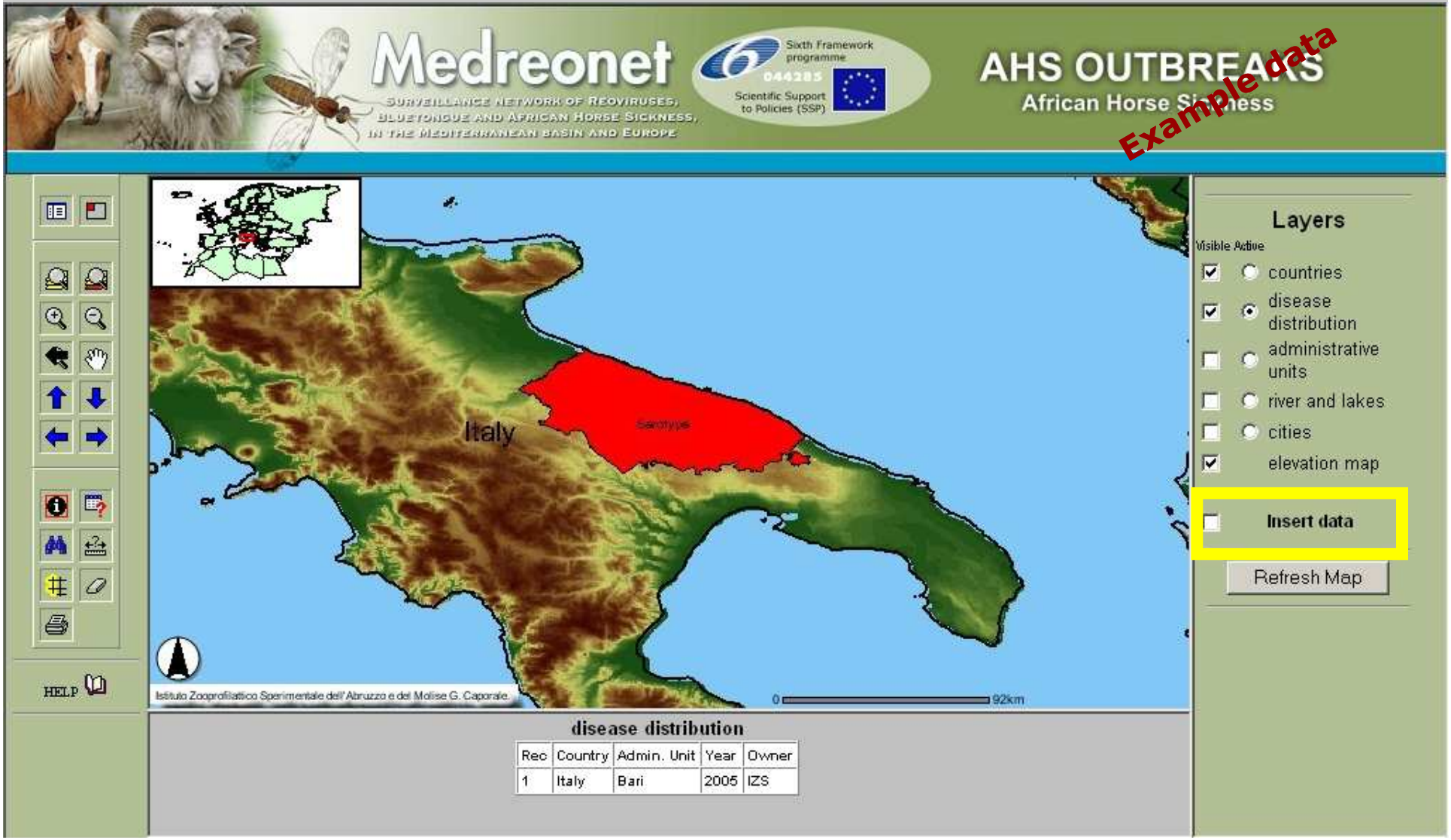
Map interaction: active/visible layers



Map interaction: query layers



Map and database interaction: insert outbreak data



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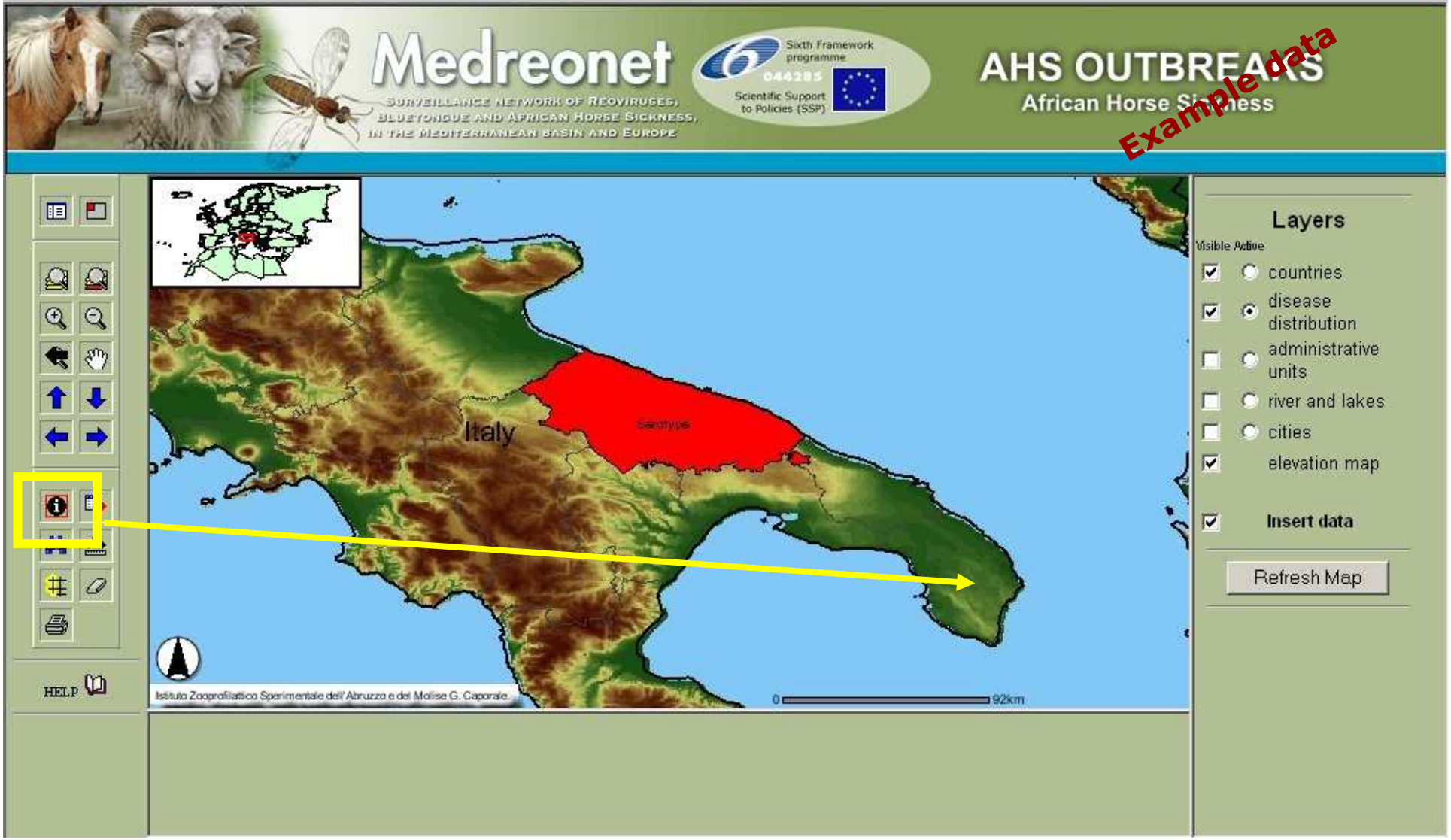

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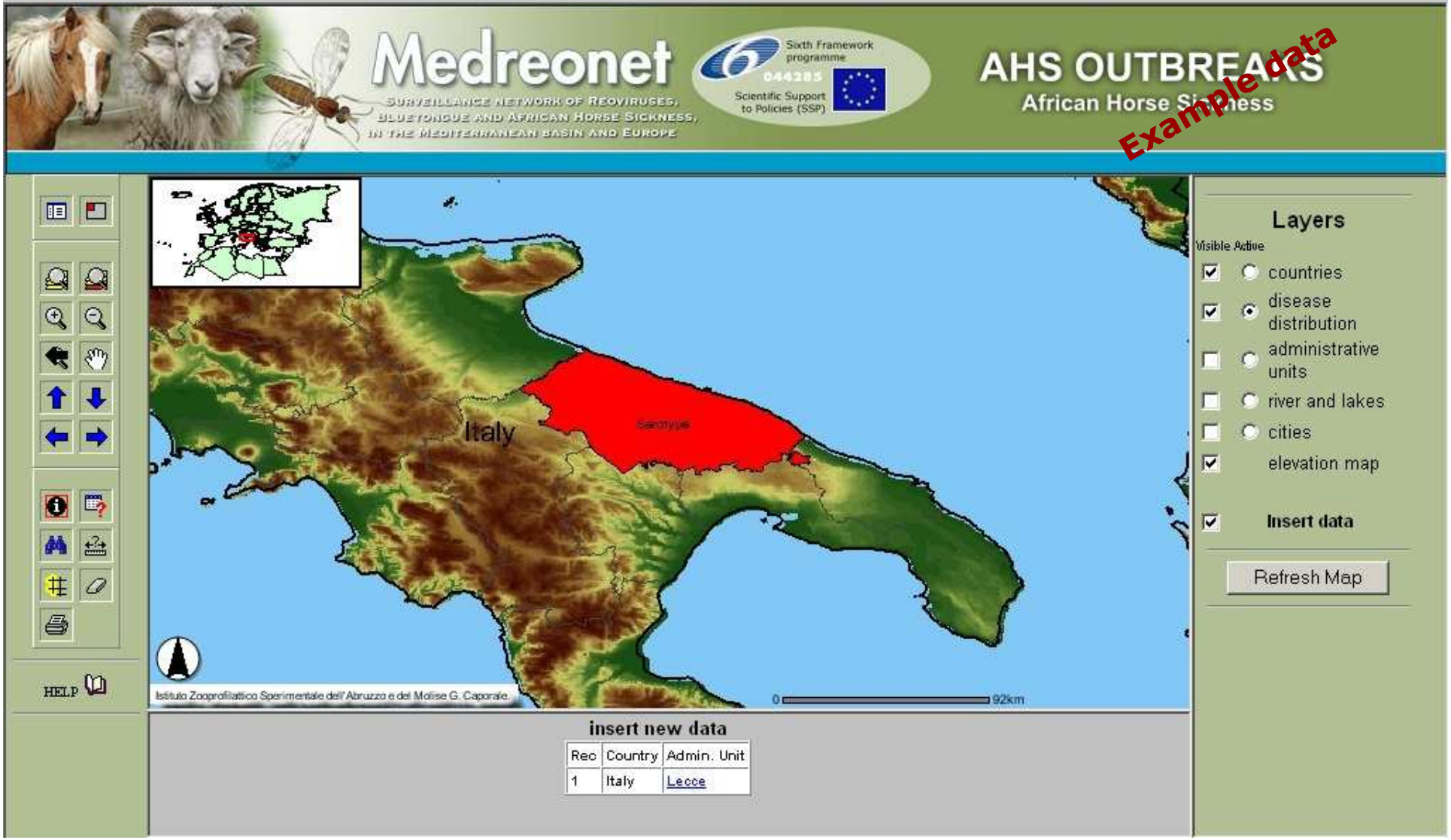

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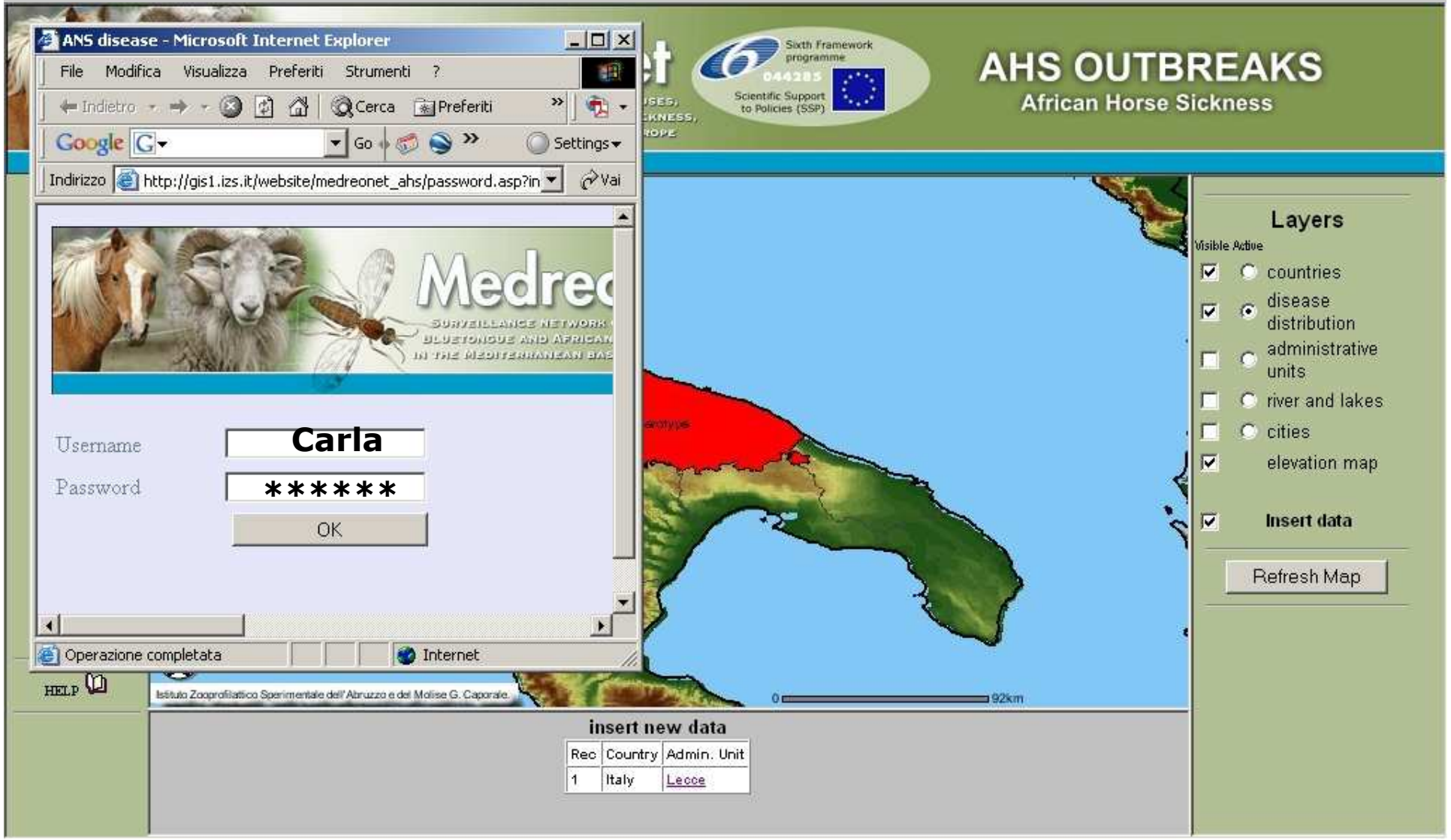


Map and database interaction: insert outbreak data

Map and database interaction: insert outbreak data

Verify Data before final submission!

Your entry looks like presented below:

Year 2008
Admin.Unit Lecce

If all this is correct, then please click on **Submit Entry**, to enter your data in the db. If you want to change the information you have entered, then please use the **Back** button of your browser.

Submit entry!

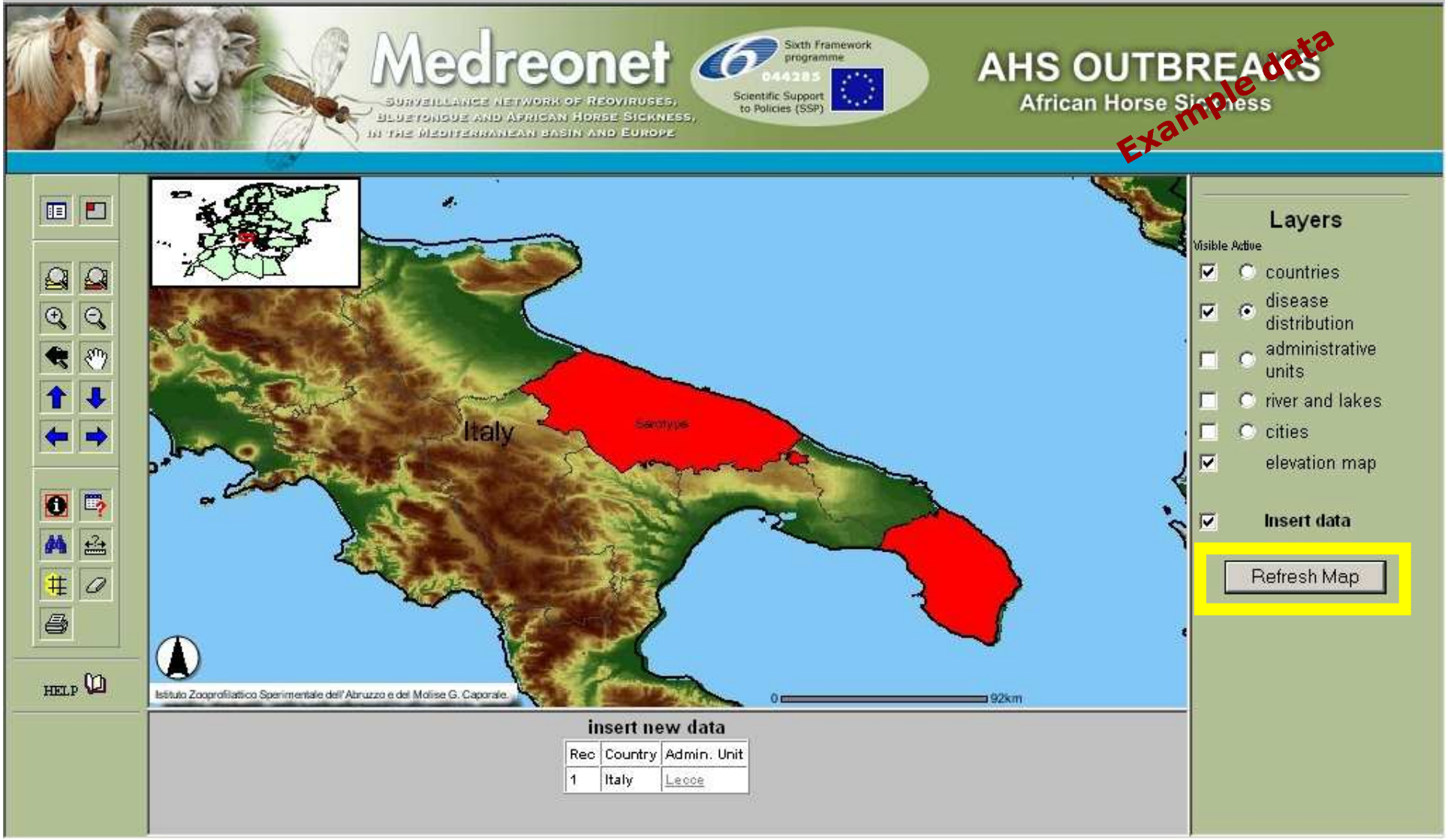
Map and database interaction: insert outbreak data

Data inserted!

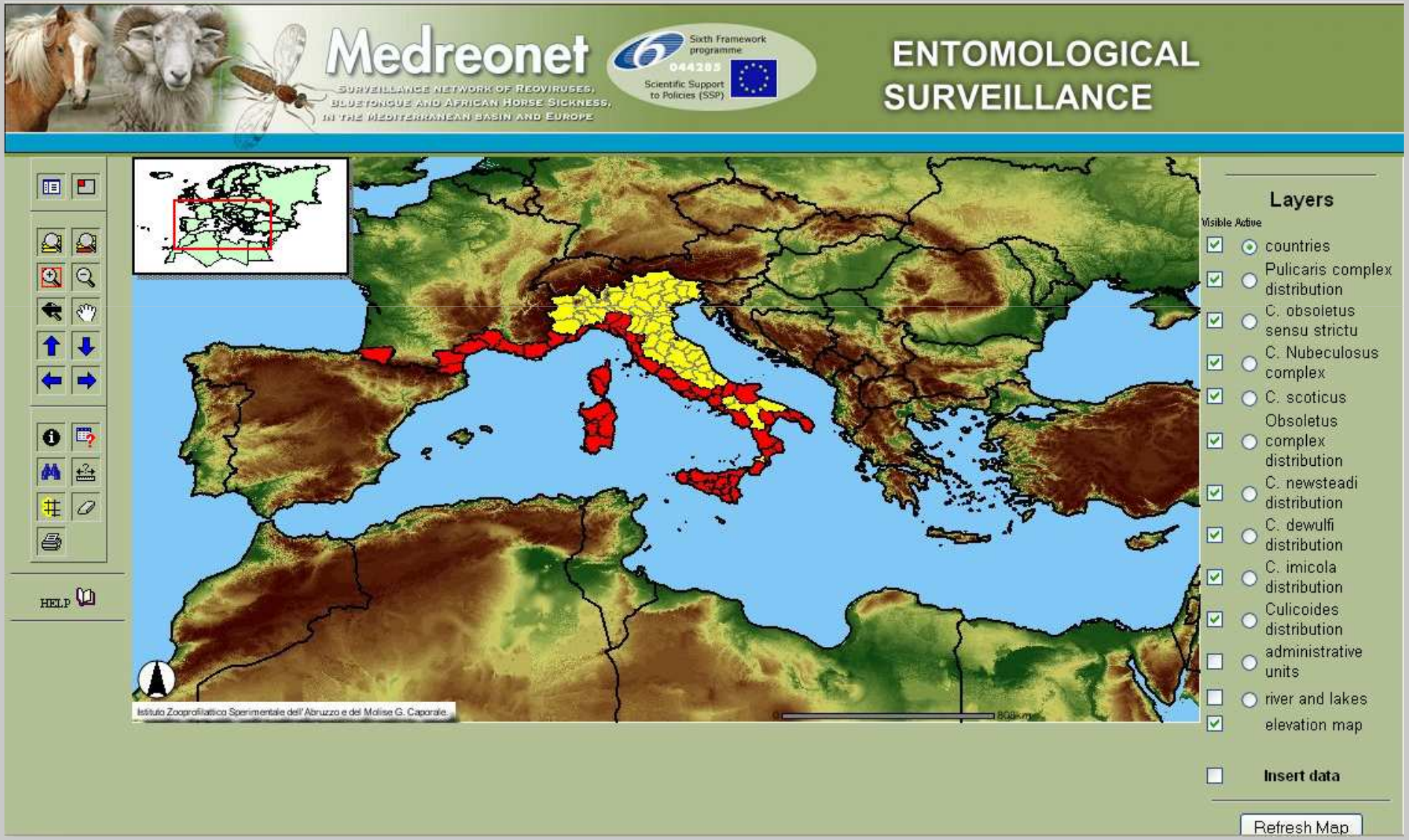
Year 2008

Admin.Unit Lecce

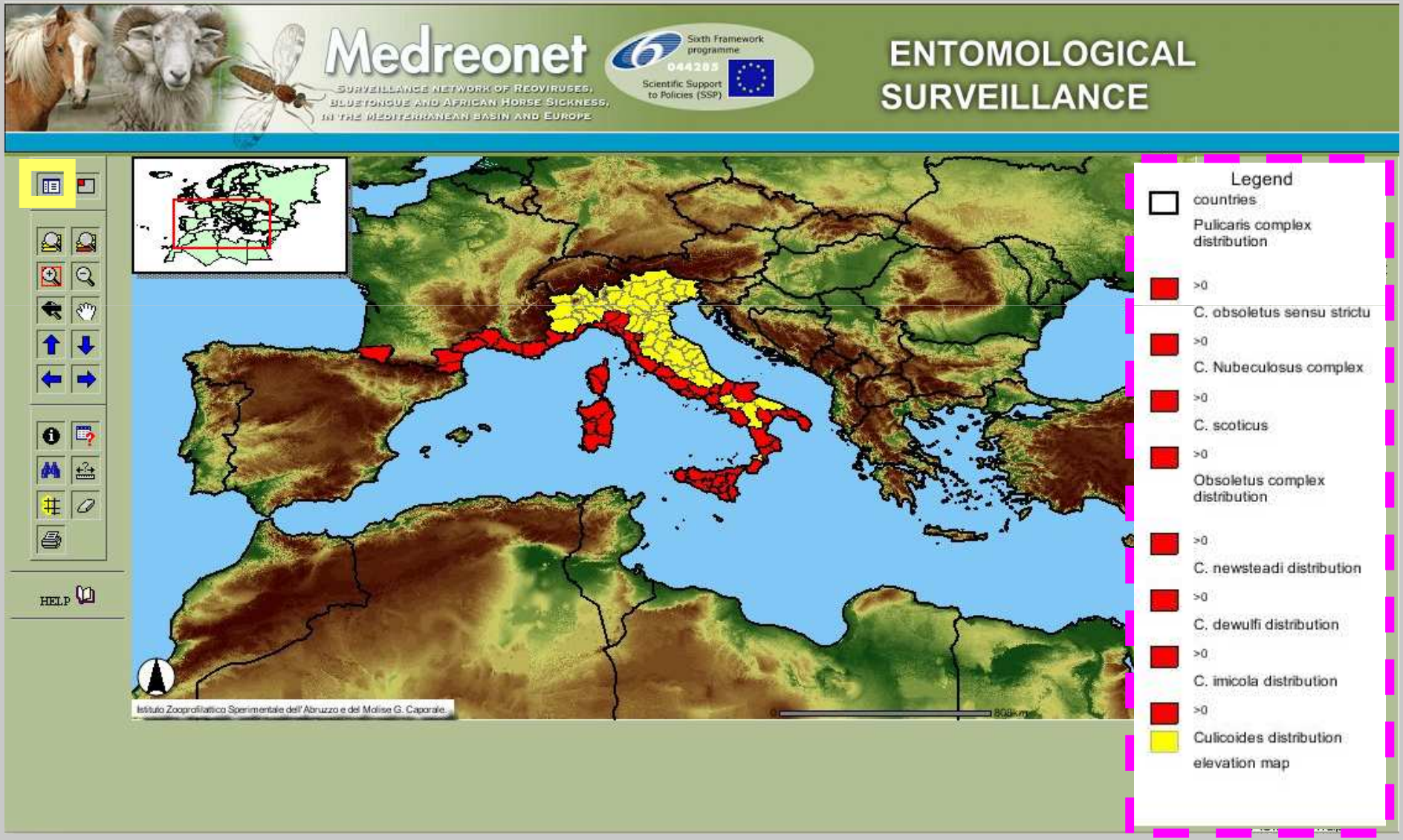
Map and database interaction: insert outbreak data



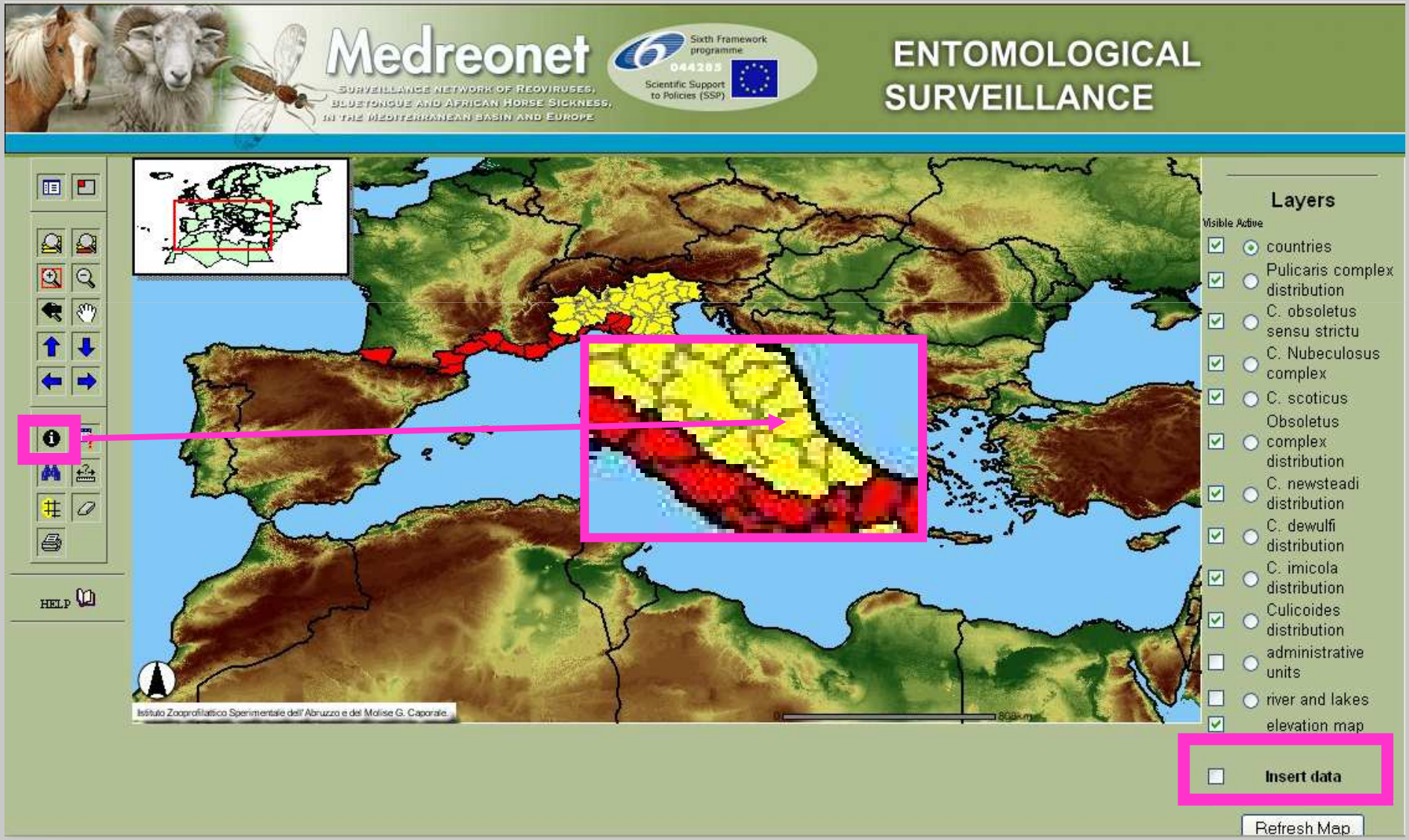
Entomological data



Entomological data



Entomological: insert new data

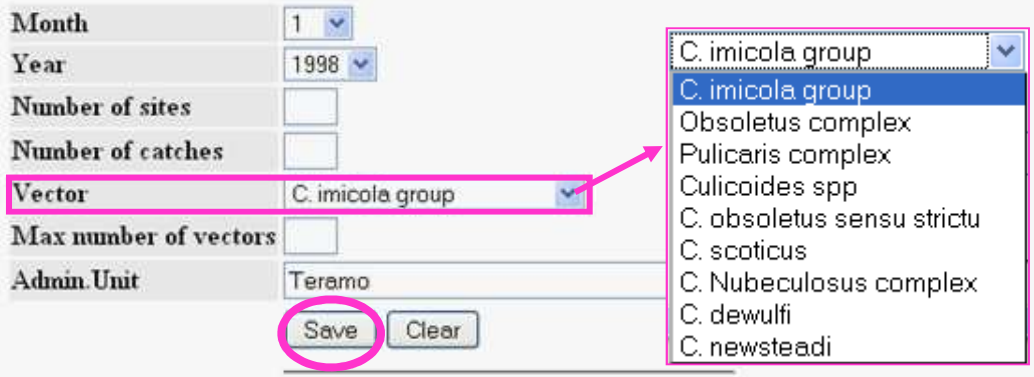


Entomological: insert new data

Results for the Administrative Boundary selected: Teramo

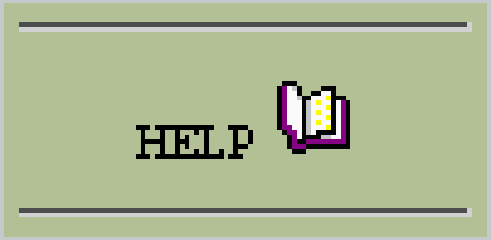
COUNTRY	ADMINISTRATIVE UNIT	YEAR	MONTH	NUMBER OF SITES	NUMBER OF CATCHES	VECTOR	MAX NUMBER OF VECTORS
Italy	Teramo	2001	1	2	2	C. imicola group	0
Italy	Teramo	2001	1	2	2	Culicoides spp	0
Italy	Teramo	2002	1	6	31	C. imicola group	0
Italy	Teramo	2002	1	6	31	Culicoides spp	4
Italy	Teramo	2003	1	2	19	C. imicola group	0
Italy	Teramo	2003	1	2	19	Culicoides spp	22770

Insert new data for the Administrative Unit



Activities

Help pages are now available for each map



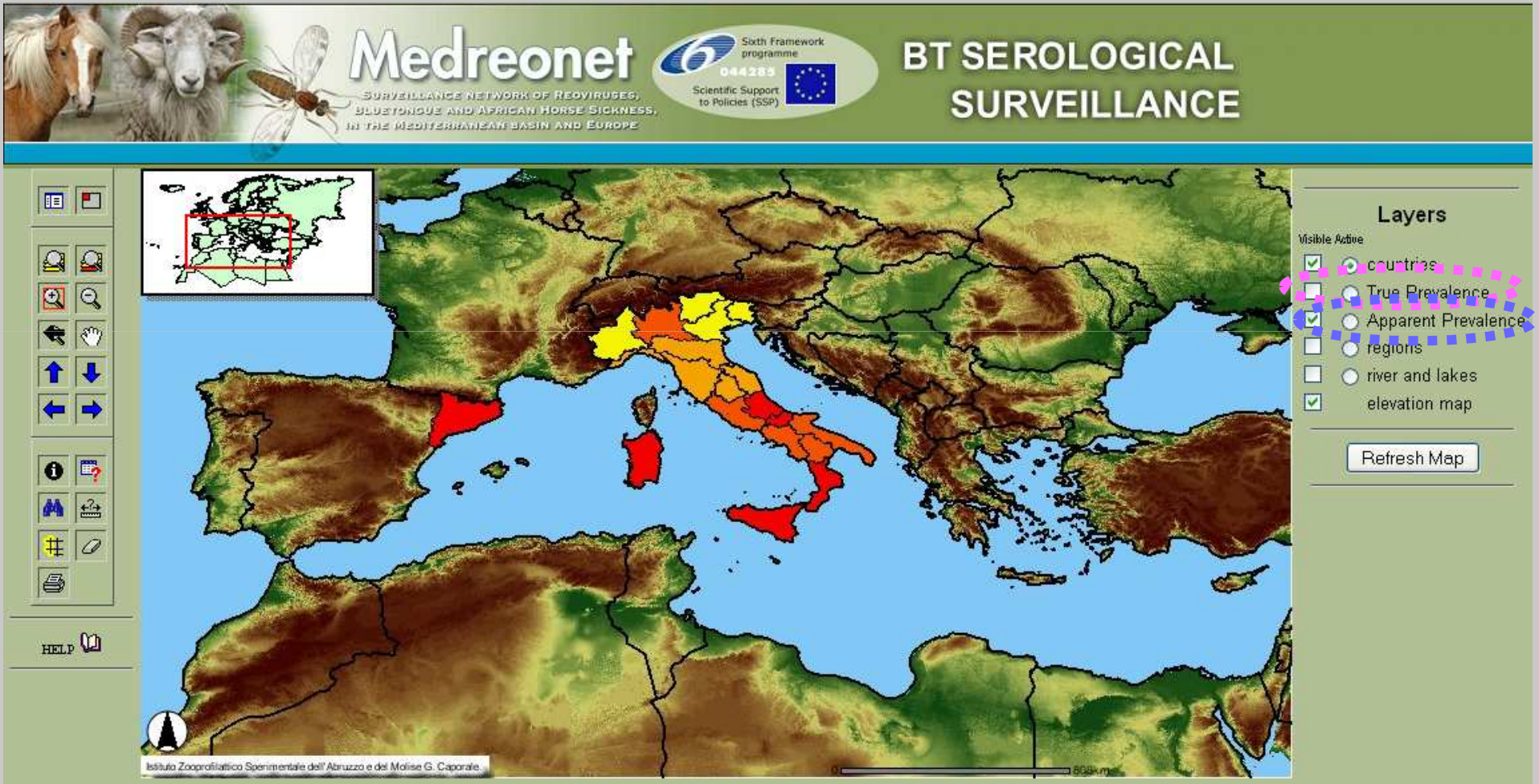
Activities

- In collaboration with WP1 - Regional surveillance of virus activity & vaccination -

a new map

was created showing the results of the analyses on BT serological surveillance data

Bluetongue Serological Results



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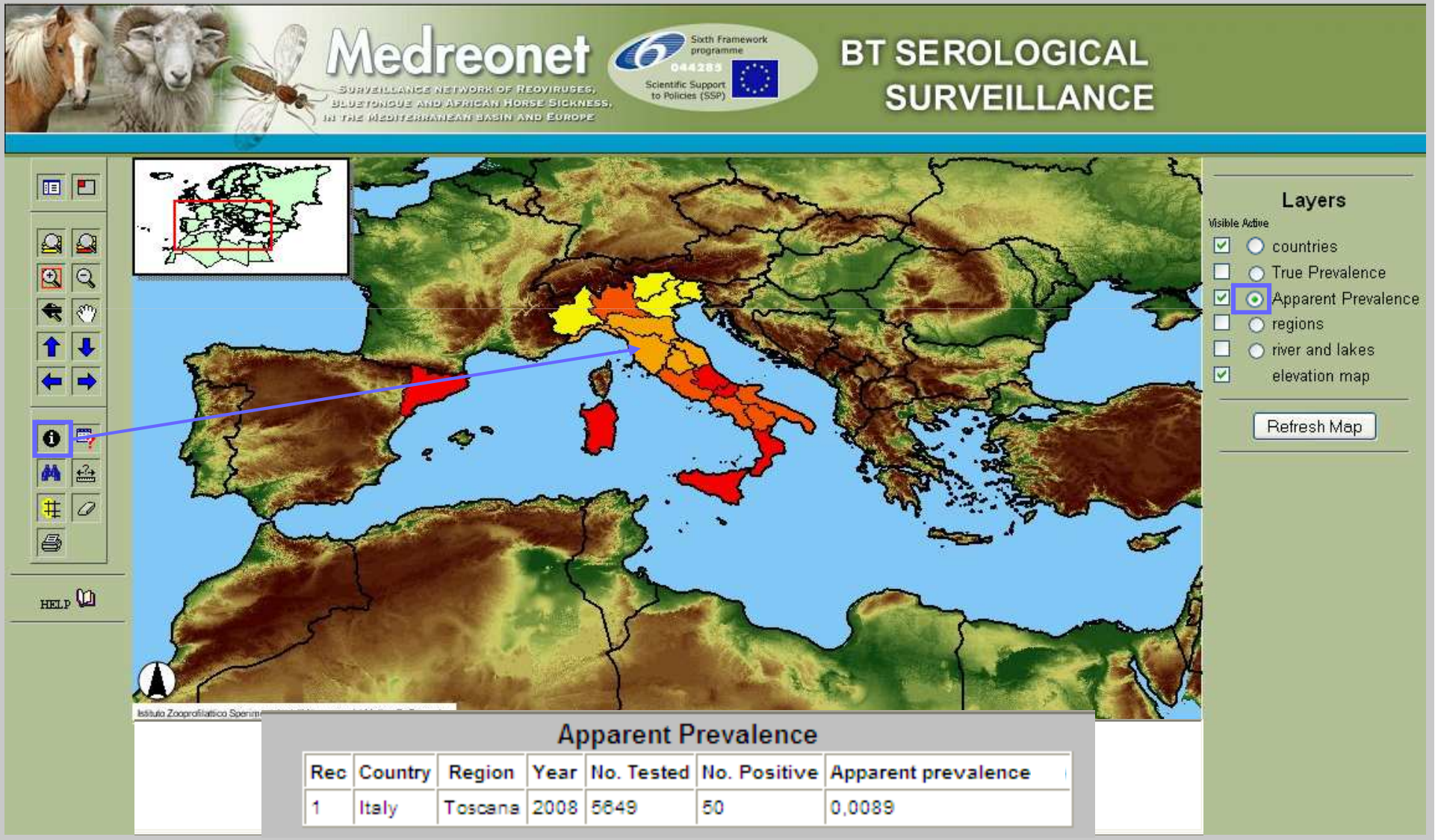
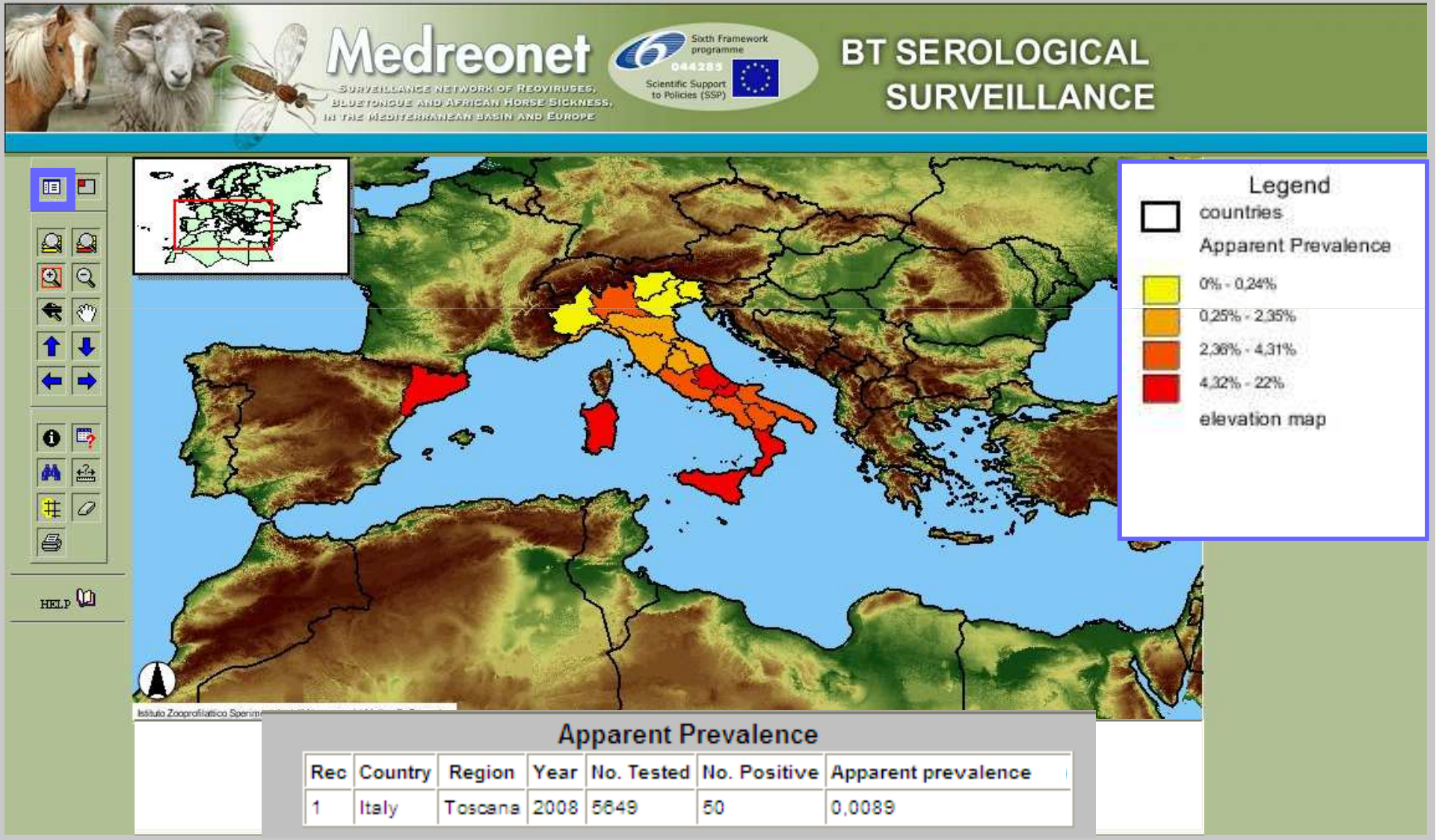


Rec	Country	Region	Year	No. Tested	No. Positive	Apparent prevalence
1	Italy	Toscana	2008	5649	50	0,0089

Bluetongue Serological Results



Apparent Prevalence

Rec	Country	Region	Year	No. Tested	No. Positive	Apparent prevalence
1	Italy	Toscana	2008	5649	50	0,0089

In the future

The container is available to be filled in with the information and the results that the other WPs think are relevant to share

Thank you
for your attention