

The following was presented at DMT'09  
(May 10-13, 2009).

The contents are provisional and will be  
superseded by a paper in the  
DMT'09 Proceedings.

See also earlier Proceedings (1997-2008)

<http://ngmdb.usgs.gov/info/dmt/>

# BeeGIS a new open source and multiplatform field GIS

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**BeeGIS** is a new open source (Java language) and multiplatform (Win, Mac, Linux) mobile GIS built on top of uDig (user-friendly Desktop Internet GIS) which is an open source desktop application framework, built with Eclipse, an IBM development platform.

## WHY a new mobile GIS?

- 1) we believe it is time to go to the field with digital tools;
- 2) we have worked on that for years;
- 3) sometimes commercial agreement does not work (see MapIT);
- 4) software must be free and shareable

## Support of any NEMEA GPS



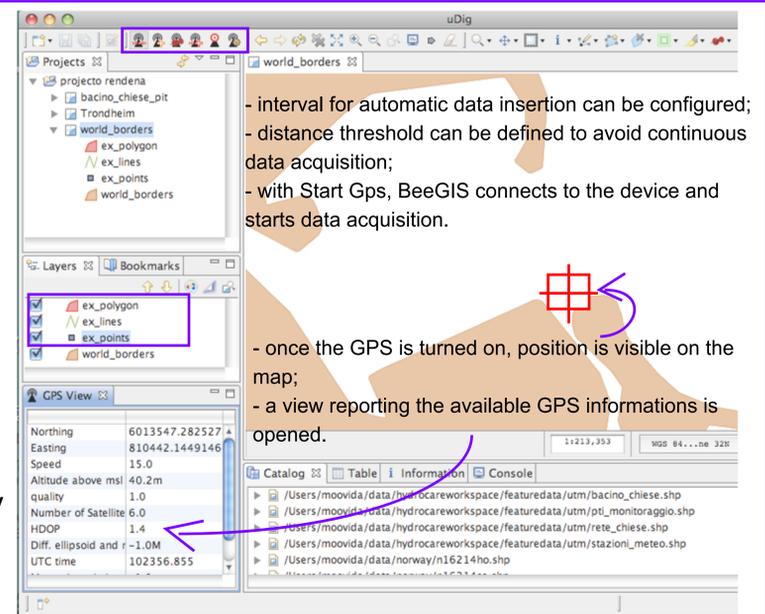
turn on manually add point to layer add a geonote to the GPS position automatically add point to layer

The **GPS** tool: adding to line layers

- lines can be added manually or automatically
- can continue from the last drawn feature or create a new one.

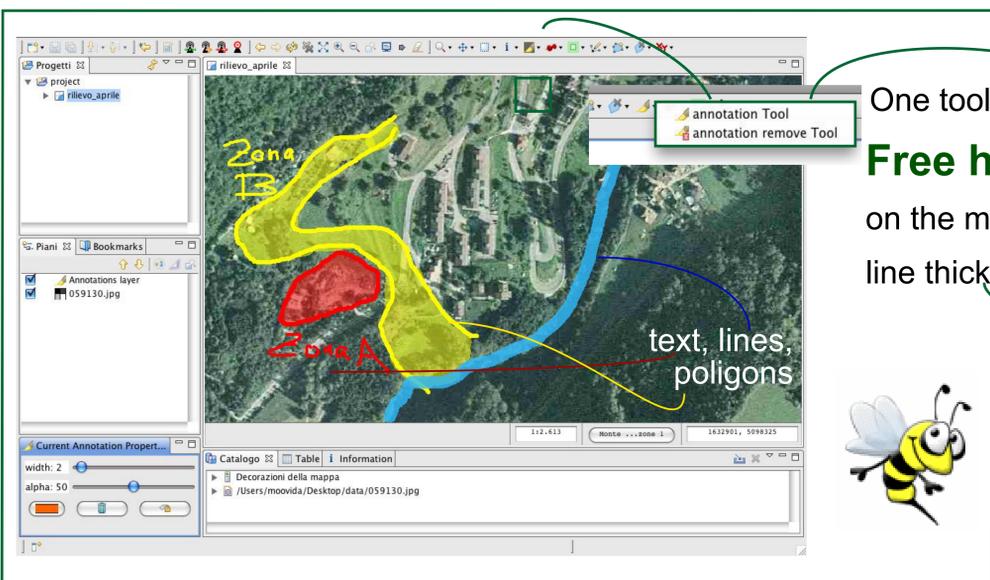
The **GPS** tool: adding to polygon layers

- polygons can be added manually or automatically
- separate polygons can be created



- interval for automatic data insertion can be configured;
- distance threshold can be defined to avoid continuous data acquisition;
- with Start Gps, BeeGIS connects to the device and starts data acquisition.

- once the GPS is turned on, position is visible on the map;
- a view reporting the available GPS informations is opened.

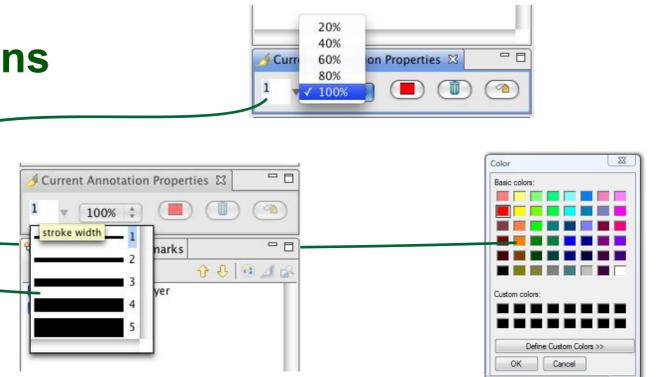


One tool to create and one to destroy

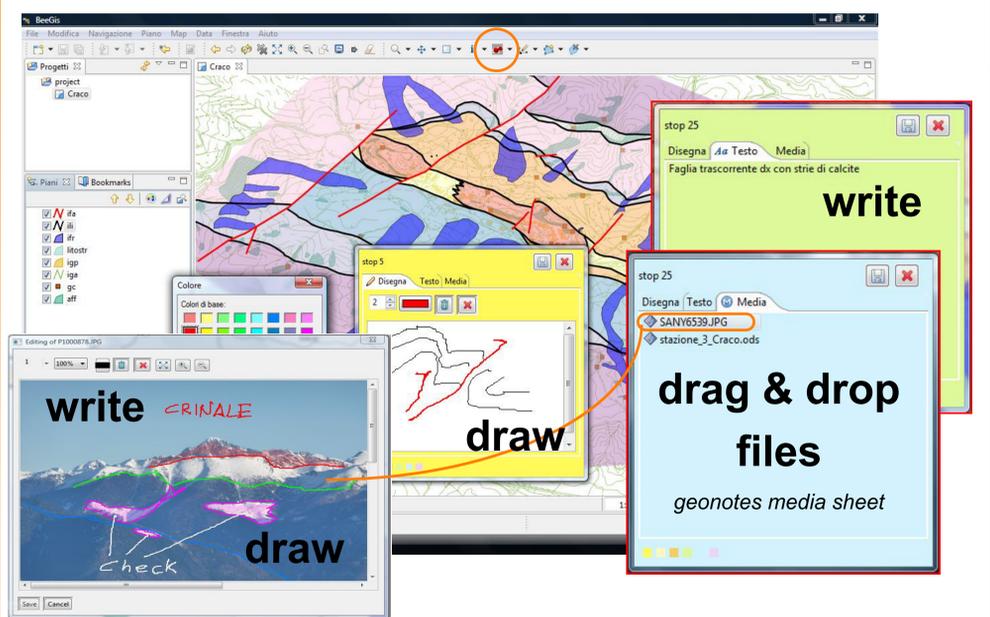
## Free handwriting annotations

on the map choosing:

line thickness, colour and properties



## Geonotes: A colored post-it where you



write

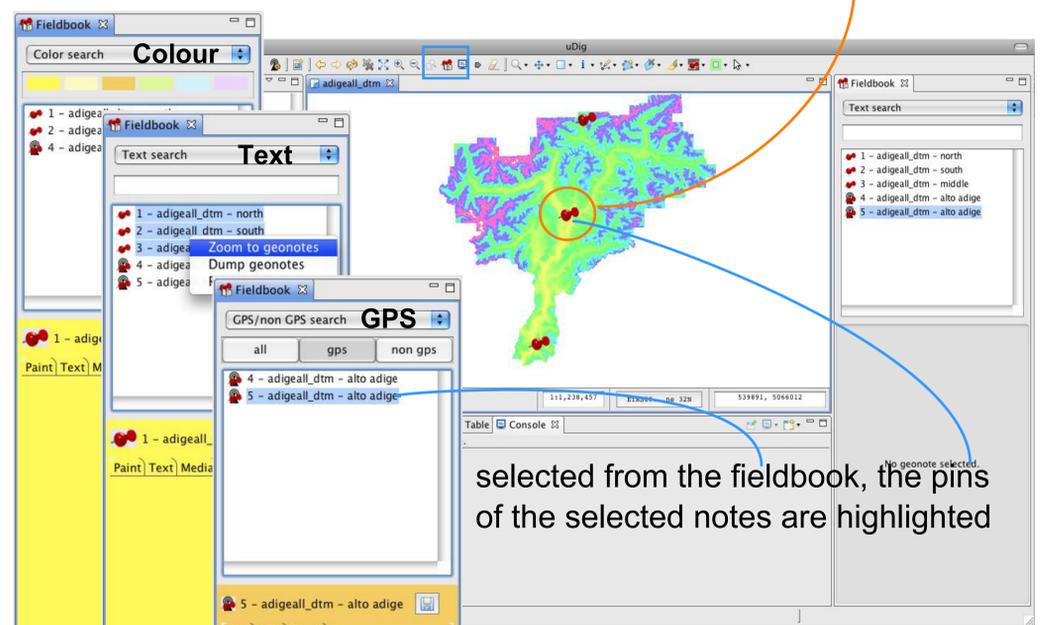
drag & drop files  
geonotes media sheet

settings and general info are hidden behind a double-click on the title

BeeGIS thanks ARPA Piemonte



## Fieldbook: helps to find out informations from Geonotes



selected from the fieldbook, the pins of the selected notes are highlighted

## NEXT FUTURE DEVELOPMENTS

Form editor:  
for creating and editing capture data forms.

Symbol libraries

3D map visualization.

Manuals and tutorials



Please contact us [mauro.dedonatis@uniurb.it](mailto:mauro.dedonatis@uniurb.it) and join the mailing list at [www.beegis.org](http://www.beegis.org)