

SOFTWARE

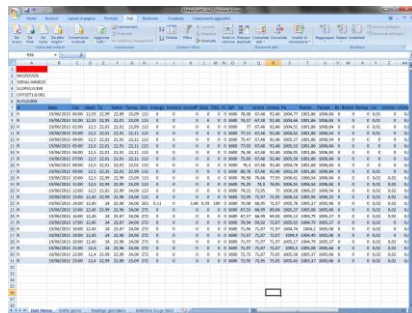
Model

Geodesk & GEO-ADAS – Softwares of environmental data management

Geodesk

Geodesk is a service software, free supplied with all Geoves datalogger, that can import data recorded (on SD card or sent via GPRS or transmitted by cable from the datalogger) and generate a single data file in Excel format. In this way it's possible to create data aggregation of desired period (eg. Monthly) and then derive the tabular and graphical reports.

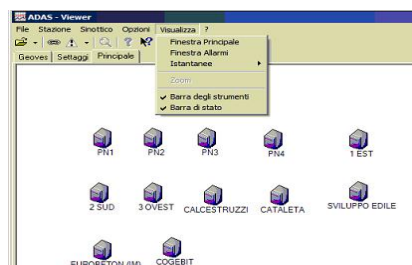
Besides Geodesk creates the setup configuration for the functioning of Butterfly and Micro3 devices



GEO-ADAS is a specific software that allows the management of monitoring station networks and the data elaboration.

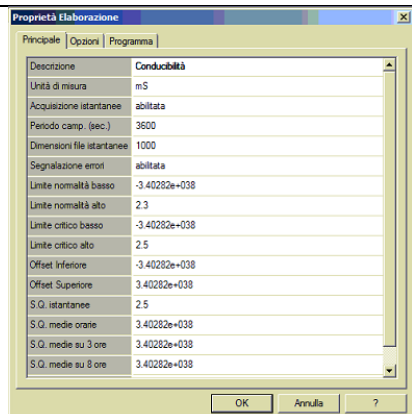
The main functions of GEO-ADAS are:

1. Communication and setting of remote stations
2. Data acquisition, data elaboration by charts and graphs, synoptic display with overview of measures and alarms
3. Display and setting of reports, storage on database
4. Alarm threshold management and sending messages via e-mail or via SMS



The **communication and data configuration module** allows the configuration of remote units (measures enabling, linearization of signals, storage rate, the definition of local processing, etc.) and the storage of data transmitted in a relational database.

The software supports all database interfaced via standard ODBC (Access, SQL Server, DB2, Oracle, etc.).

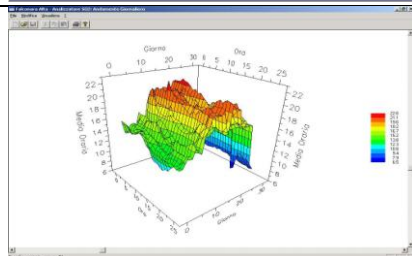


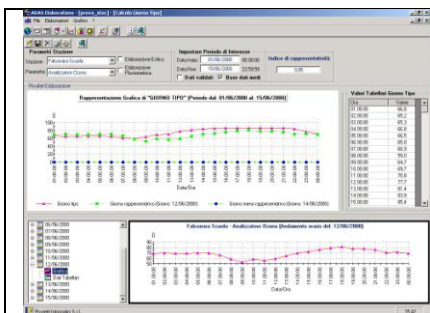
Data Acquisition, Graphs and charts elaboration

- ✓ Alarms thresholds set with customization of every acquired measure
- ✓ Automatic data acquisition from FTP area (datalogger data transmission via GPRS)
- ✓ Storage of acquired data
- ✓ Elaboration of data stored in the database

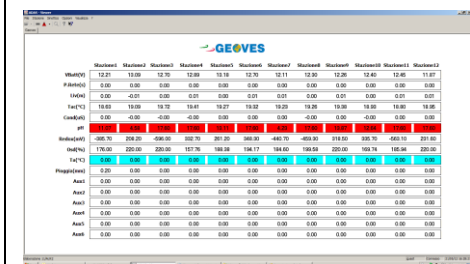
Other possible elaborations:

- ✓ Wind rose graph;
- ✓ Pollutants rose graph;





- ✓ Analyzer and station performance report;
- ✓ Report of stability atmospheric class;
- ✓ Daily thermic degrees calculation;
- ✓ Typical day calculation;
- ✓ Most representative day calculation.



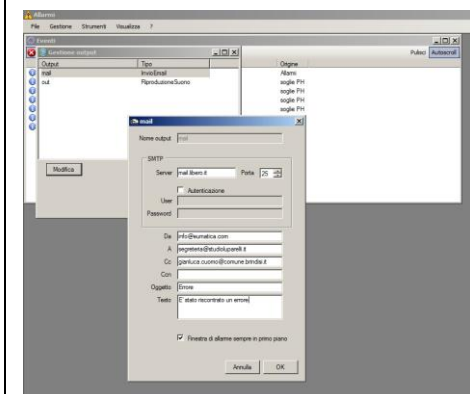
Synoptic display of measures and alarms

- ✓ Data view on synoptic display
- ✓ Alarms and pre-alarms view with different colours depending on the level of criticality
- ✓ Alarm threshold setting
- ✓ Alarm transmission via e-mail or SMS (on request)
- ✓ Display and print of alarm reports and storage

Stazione1 - Presentazione dei valori del 16 maggio 2012

Ore	V.Batt (V)	P.Rate (s)	Livello (m)	Temperatura (°C)	Conduttività (µS/cm)	PH	Redox (mV)	OSD (%)
20.00	12.4 (0%)	0.0 (0%)	0.0 (0%)	18.8 (0%)	0.0 (0%)	15.8 (0%)	-410.2 (0%)	173.5 (0%)
20.30	12.4 (0%)	0.0 (0%)	0.0 (0%)	18.8 (0%)	0.0 (0%)	15.8 (0%)	-409.0 (0%)	172.8 (0%)
21.00	12.4 (0%)	0.0 (0%)	0.0 (0%)	18.7 (0%)	0.0 (0%)	15.8 (0%)	-408.8 (0%)	173.8 (0%)
21.30	12.4 (0%)	0.0 (0%)	0.0 (0%)	18.7 (0%)	0.0 (0%)	15.8 (0%)	-407.2 (0%)	174.1 (0%)
22.00	12.4 (0%)	0.0 (0%)	0.0 (0%)	18.7 (0%)	0.0 (0%)	15.8 (0%)	-408.8 (0%)	173.3 (0%)
22.30	12.3 (0%)	0.0 (0%)	0.0 (0%)	18.8 (0%)	0.0 (0%)	15.8 (0%)	-408.0 (0%)	172.9 (0%)
23.00	12.3 (0%)	0.0 (0%)	0.0 (0%)	18.8 (0%)	0.0 (0%)	15.8 (0%)	-408.5 (0%)	173.5 (0%)
23.30	12.3 (0%)	0.0 (0%)	0.0 (0%)	18.8 (0%)	0.0 (0%)	15.8 (0%)	-409.5 (0%)	173.0 (0%)
24.00	12.3 (0%)	0.0 (0%)	0.0 (0%)	18.8 (0%)	0.0 (0%)	15.8 (0%)	-408.0 (0%)	172.9 (0%)
Minimo	12.2	0	0	18.2	0	11.1	-509.5	172.5
Massimo	12.9	1800	0	18.8	0	17.5	544.1	177.5
Limite								
Superamenti	12.6 (0%)	840.8 (0%)	0.0 (0%)	18.8 (0%)	0.0 (0%)	15.1 (0%)	-141.8 (0%)	174.8 (0%)
Media giornaliera	12.6 (0%)	840.8 (0%)	0.0 (0%)	18.8 (0%)	0.0 (0%)	15.1 (0%)	-141.8 (0%)	174.8 (0%)
Medie valide	48	48	48	48	48	48	48	48

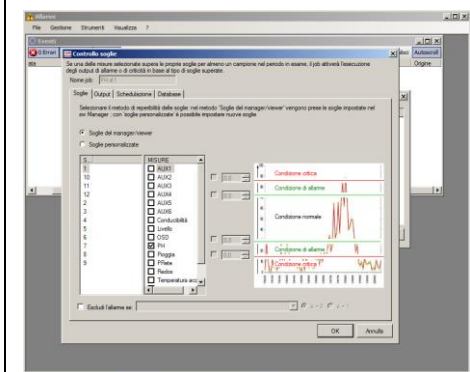
Reports display and data storage



Alarm management

As soon as some alarm condition occur (eg. Measure persistence, threshold overflow, etc...) Geo-Adas manages different kind of outputs (eg. Email sending, propagation of sound alarms).

The window on the left side shows an example of an output configuration, type *Email-Sending*, where it's possible to setup the SMTP server for the email sending, the sender, the addressee, the other 2 addressees in copy, the object and finally the text of the alarm to send.



Furthermore the user can setup the E-MAIL address or the mobile numbers of available personnel for the SMS sending.