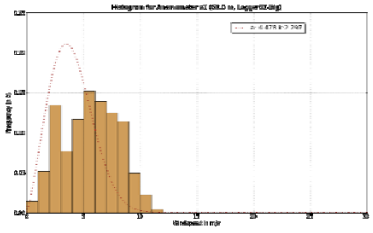
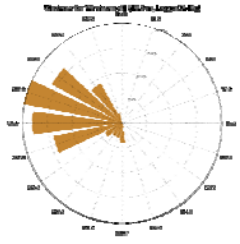
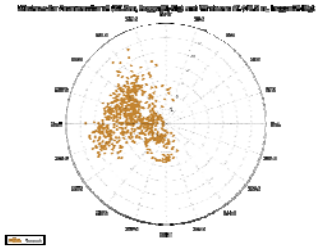
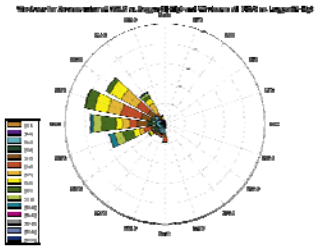


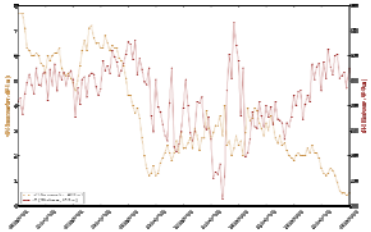




Welcome to AmmonitOR -Ammonit Online Report

our Online Platform to simplify your data communication





Ammonit – Company Profile

- 20 years of know-how in the international wind industry, since 1989
- Ammonit offers high quality measurement equipment for wind site assessment, wind park monitoring and climate research
- Growing product range: reliable data loggers, first class sensors and data communication systems, applied by wind consultants, wind farm operators and research institutes in over 100 countries
- Bespoke measurement systems as well as standard ready to use measurement systems, for all climates and very remote areas

AmmonitOR – Online Platform

AmmonitOR – what for?

AmmonitOR – Ammonit Online Report
is our user-friendly online platform to access, archive, monitor and visualise measurement data, around-the-clock, from wherever it suits you.

The software is available in request.

To register send us an email at: ammonitor@ammonit.com

AmmonitOR – Online Platform

AmmonitOR – what for?

- AmmonitOR simplifies time-consuming activities, such as:
  - retrieving and archiving measurement data
  - monitoring the functions of the measurement system

- It is the perfect assistant:
  - who takes care of the boring and with low added value work and
  - informs you, on system failures with warning emails

- Simplifies all data communication, management procedures:
  - It produces diagrams and schedules for your reports
  - It performs data plausibility checks

AmmonitOR –Online Platform

AmmonitOR – how to get started

- Global data access around-the-clock with our encrypted login section
- To register send us an email at: ammonitor@ammonit.com
  Our services team will set up your personal account information
- Get started by logging into:
  https://or.ammonit.com/en/accounts/login/

AmmonitOR – Online Platform

AmmonitOR - what it does

- Collect, access and archive your measurement data
  in well-structured projects files, enabling easy project navigation.

- Monitoring of your measurement system:
  - Verify that all sensors and the power supply are working well
  - Receive monitoring reports of the measurement system
  - Receive alarm messages per email /SMS, in case of problems

- Data quality checking with customised filters on sensor default, such as ice-effects, temperature, humidity, pressure performance or measuring system.

AmmonitOR – Online Platform

AmmonitOR - what it does

- Performance of simple data plausibility checks
- Automatic warning emails or SMS alerting you to technical problems, such as problems with sensors, power supply or communication issues.
- Visualisation of your measurement data in schedules or diagrams of your choice (e.g. histograms, wind rose, wind speed, xy-plot).
- Adaption of your wind reports in your own corporate design.

AmmonitOR – Online Platform

AmmonitOR - what it does

- Long-term data storage of up to three years:
  - on a dedicated Ammonit server, or
  - data storage on a server of your choice is available on request

- Access control: you specify the level of access rights to individuals using the system, (e. g. read-only or full access).

- Multi-language functionality: English, Spanish, German and French (Additional languages will be offered at a later stage).

AmmonitOR – Online Platform

AmmonitOR – what it does

- AmmonitOR is an open source program.
  This allows for a continuous improvement of features in accordance with customer requirements.

- Technical requirements:
  AmmonitOR requires a GSM/GPRS-modem and data logger firmware minimum 1.9.

AmmonitOR - Online Platform

AmmonitOR – how it works

- Data Collection:

  Automated collection of your measurement data:
  E-Mail function sets address in copy to aor@ammonit.com

- Archiving:
  - Data is archived on the AmmonitOR server
  - This server is located in a data-pool, which is maintained 24/7

- Sorting / Structuring:
  - All data is stored in a data base, selectable by logger
  - Identification through logger serial-number

AmmonitOR - Online Platform

AmmonitOR – how it works

Monitoring the system - AmmonitOR performs three checks:

- Communication:
  - Data has been transmitted
  - Data is complete

- Sensors:
  - All sensors are transmitting data
  - Data is plausible

- Power supply: the power supply is running well

AmmonitOR – Online Platform

AmmonitOR – how it works

AmmonitOR offers three alarms & feedback instruments:

- Wrong or suspicious data is isolated in a menu on the AmmonitOR web-page

- AmmonitOR produces a daily report

- AmmonitOR generates an alarm per E-Mail:
  - Several tools allow for a email transmission to a SMS
    Note: the emission of a SMS often causes small costs

AmmonitOR - Online Platform

AmmonitOR – how it works

Report and visualise your measurement data:

- Generation of brief evaluation reports
- Visualisation of measurement data with diagrams & schedules
- Diagrams: Weibull curve, Windrose & XY-Diagram
- Shows serial number of data loggers & sensors

AmmonitOR - Online Platform

AmmonitOR – how it works

Plausibility check your measurement data:

- Data plausibility checks with customised filters.

- The following checks will be installed, at the product launch:
  - Sensor default: sensor is not transmitting signal
  - Icing effects: wind speed is 0 for at least 12 hours
  - Temperature / humidity / pressure performance

- AmmonitOR is an open source tool, (programming language Python)

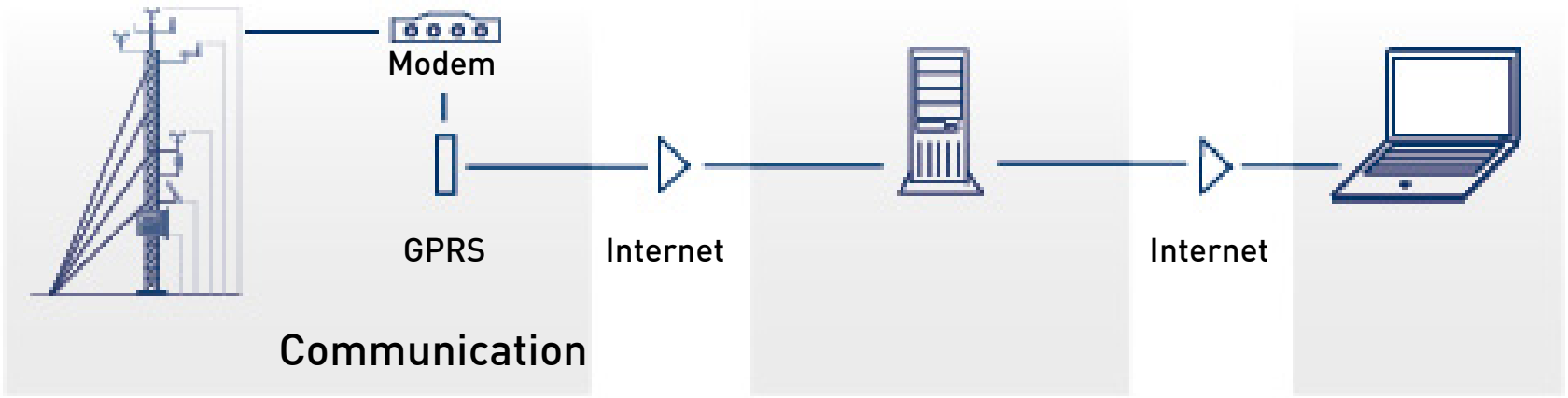
AmmonitOR - Online Platform

AmmonitOR – how it works

- To register send us an email at: ammonitor@ammonit.com
  - in the customer login section
  - the logger(s) is (are) registered by Ammonit
- Login in into your account with your personal password (encrypted)
- Create your new project within AmmonitOR
- Add your loggers to the new project
- Configure your logger to send Emails to AmmonitOR

AmmonitOR - Online Platform

How it works:

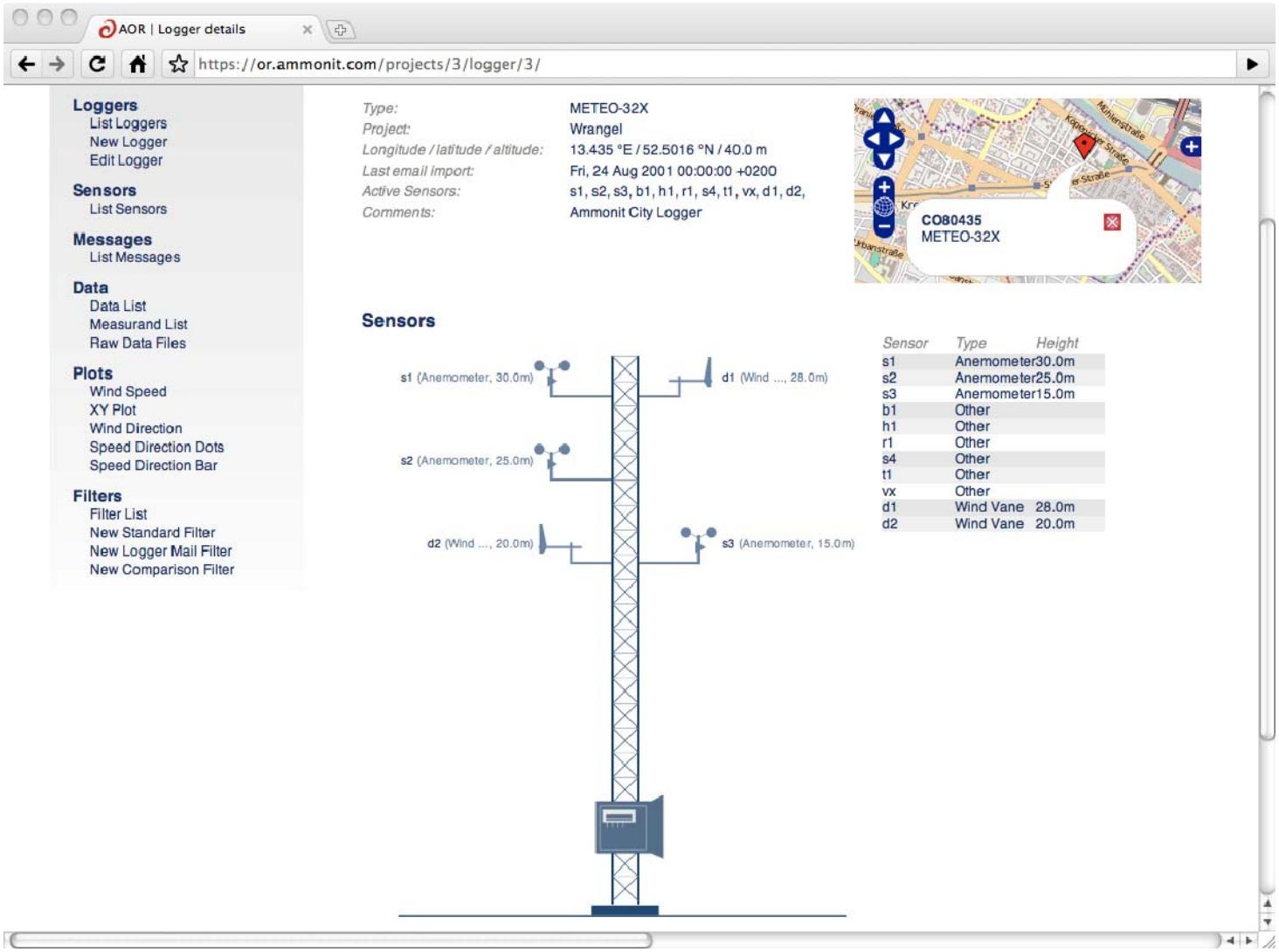


Measurement System

AmmonitOR Server
Data Archiving
Management/Storage

Data Visualisation
Data Monitoring
Check & Reporting

AmmonitOR – Projects & Loggers

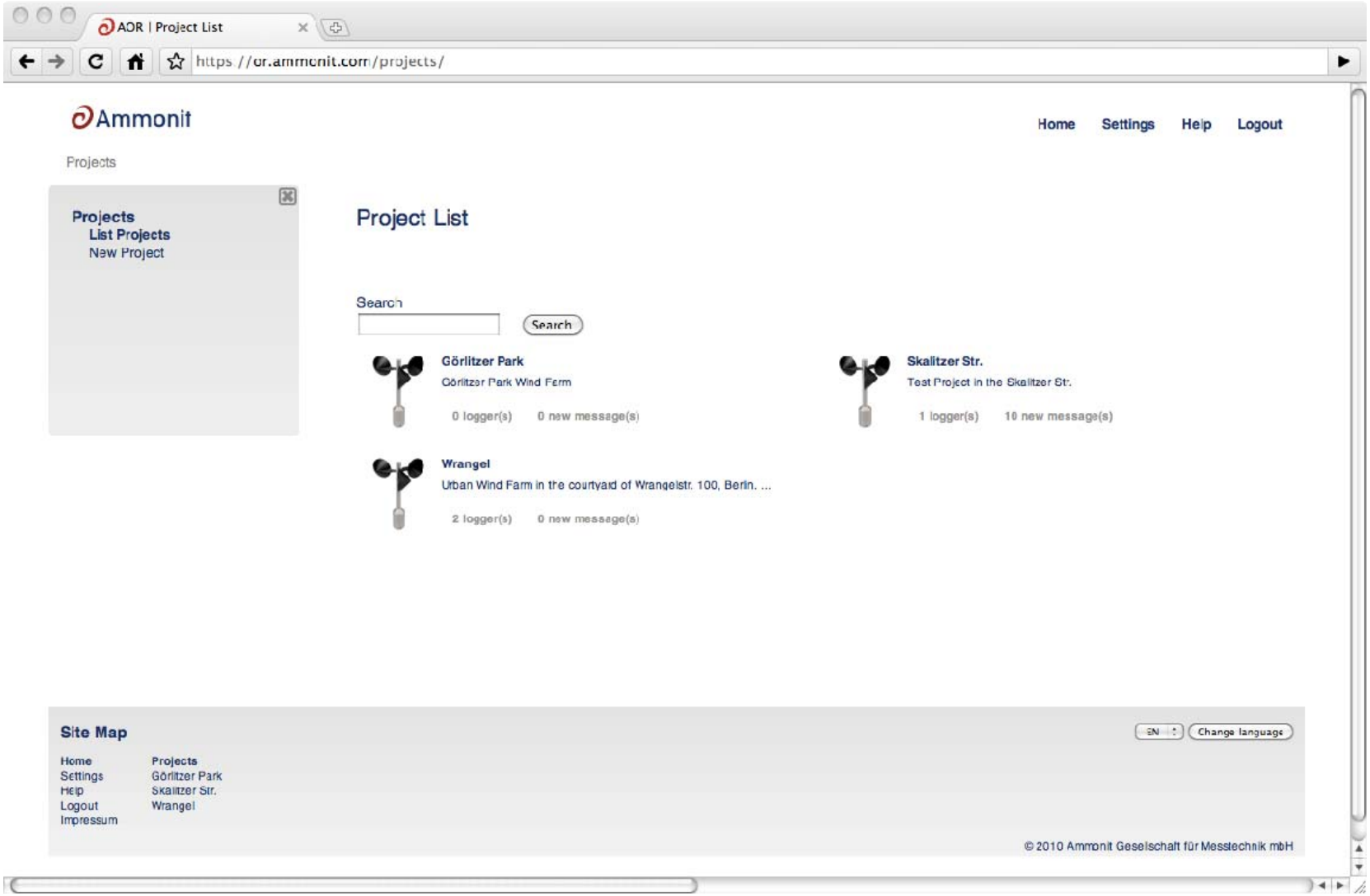


AmmonitOR – Projects & Loggers

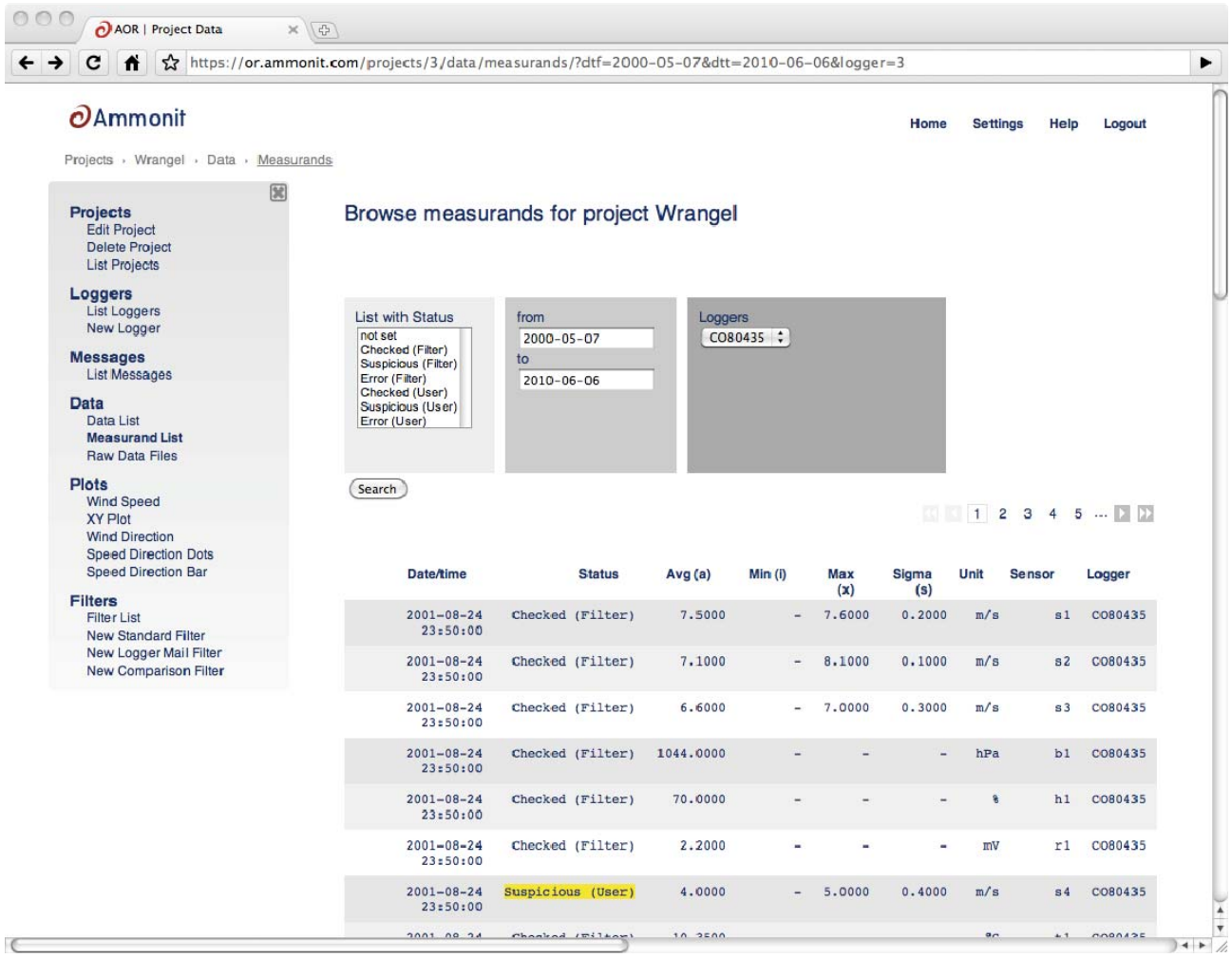
How it works:

- Multiple users can work together on different projects
- Users can create an unlimited number of projects
- Each logger is assigned to exactly one project

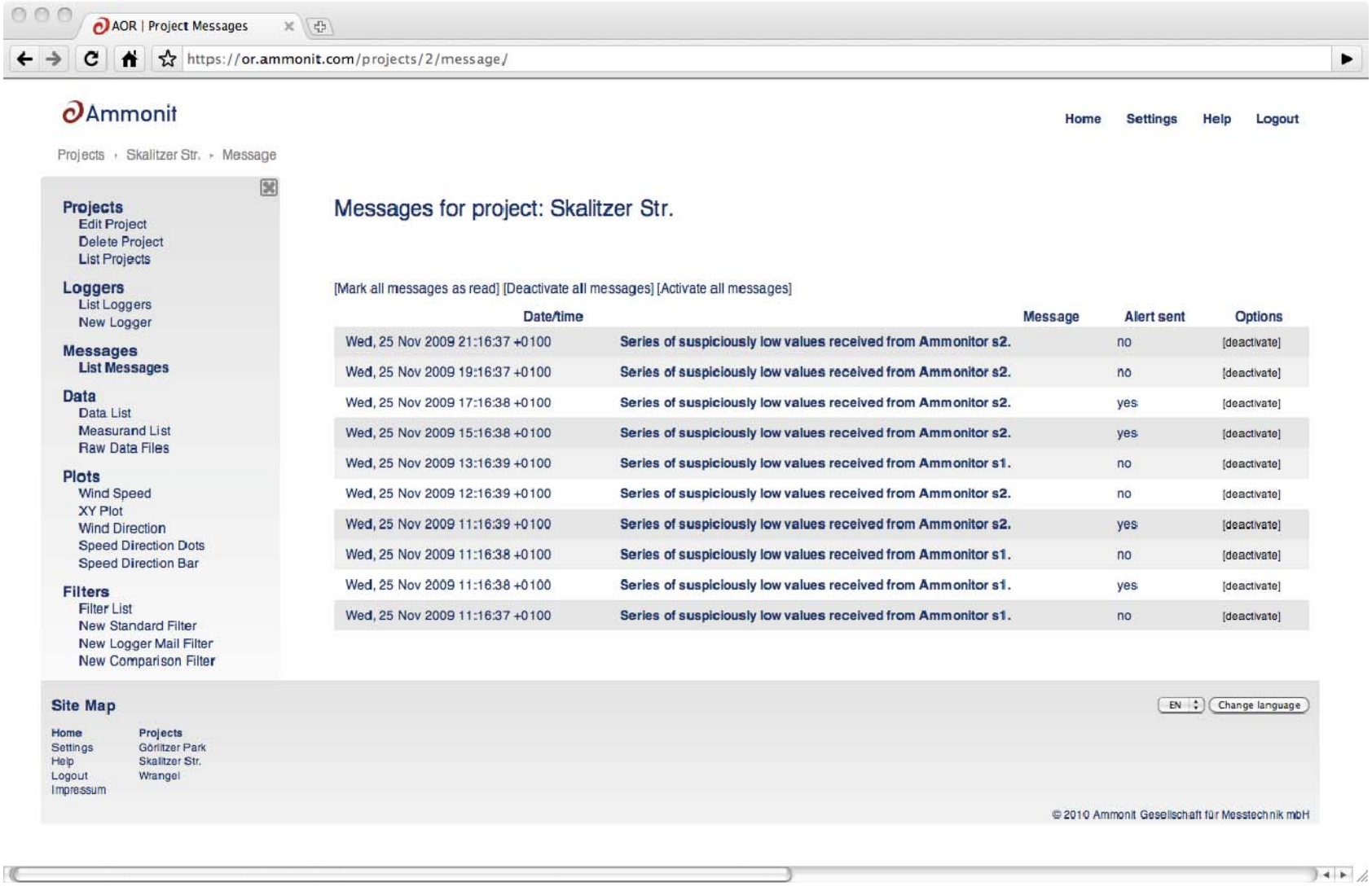
AmmonitOR – Project Lists & Project Details



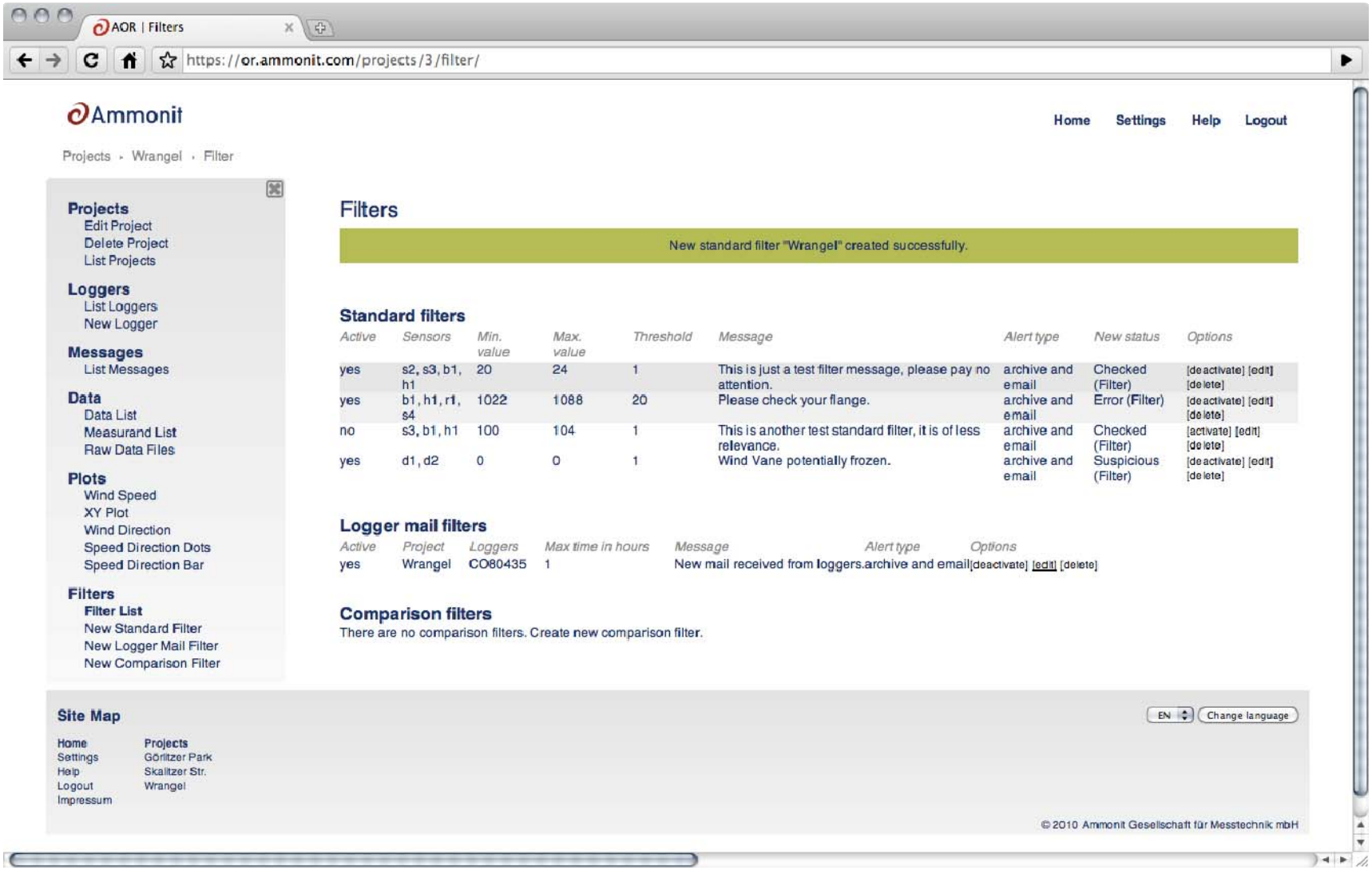
AmmonitOR – Measurand List



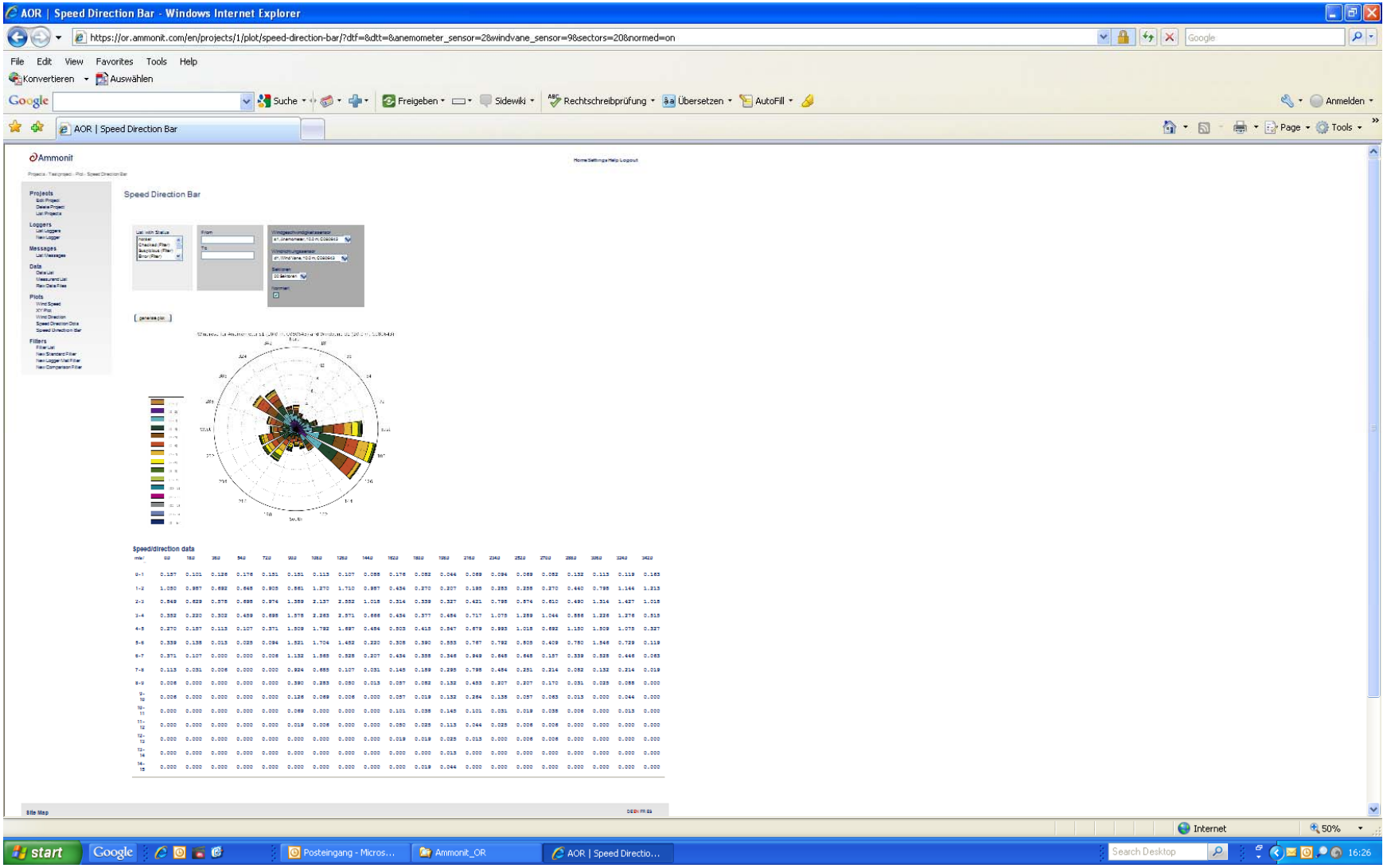
AmmonitOR – Message List



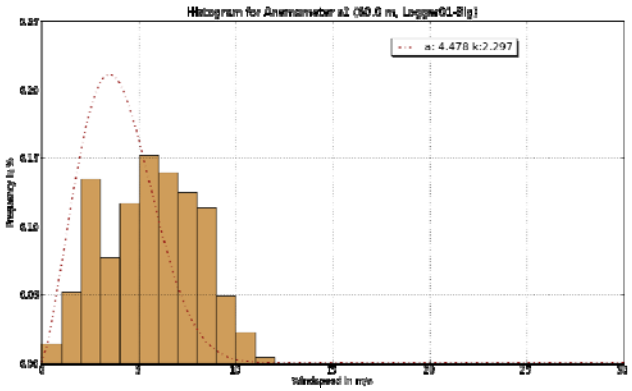
AmmonitOR – Filter List



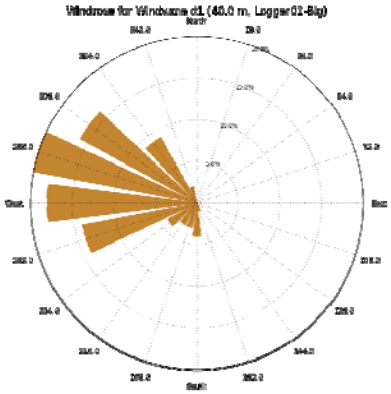
AmmonitOR – Data Visualisation



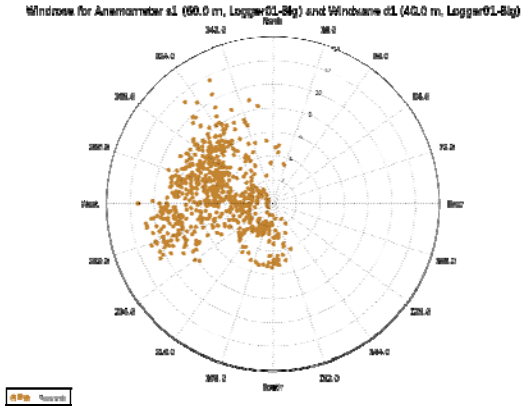
AmmonitOR – Choose your Type of Visualisation



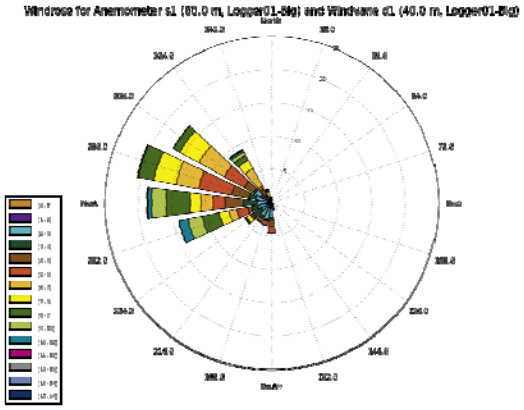
Histogram



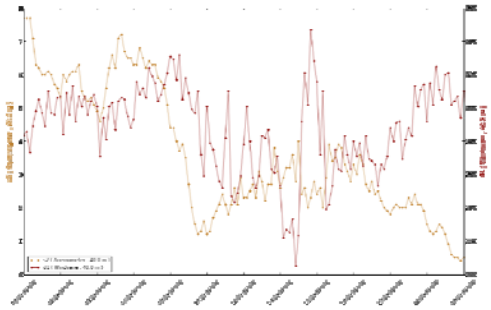
Wind Direction



Wind Speed
Wind Direction



Wind Speed/Wind Direction

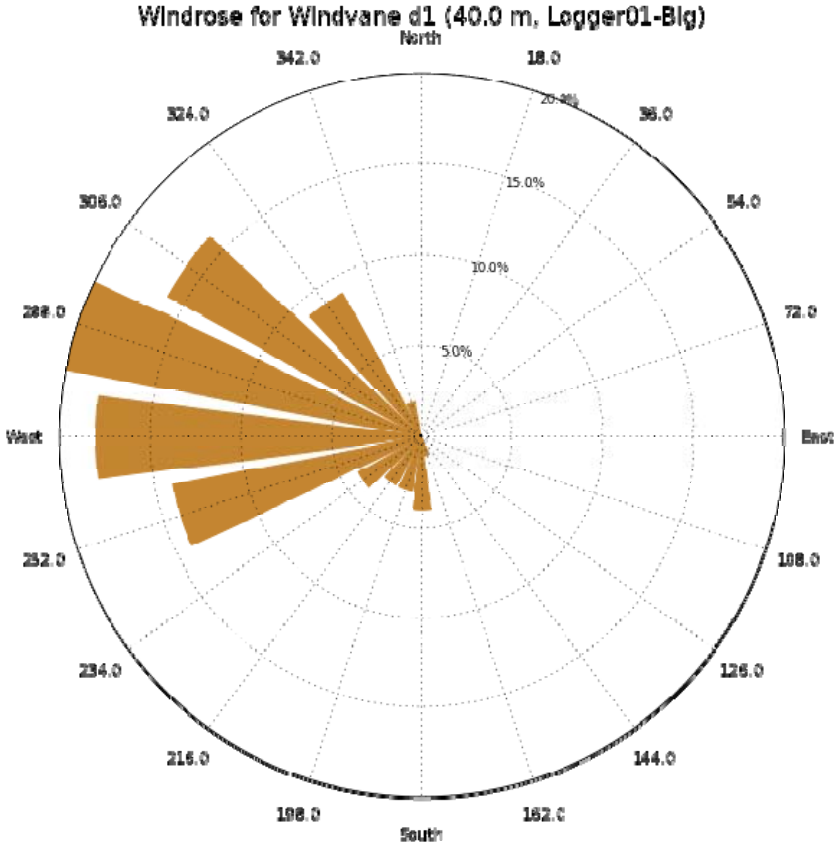


XY-Plot

AmmonitOR – Data Visualisation

- Visualise your data with selected diagrams:

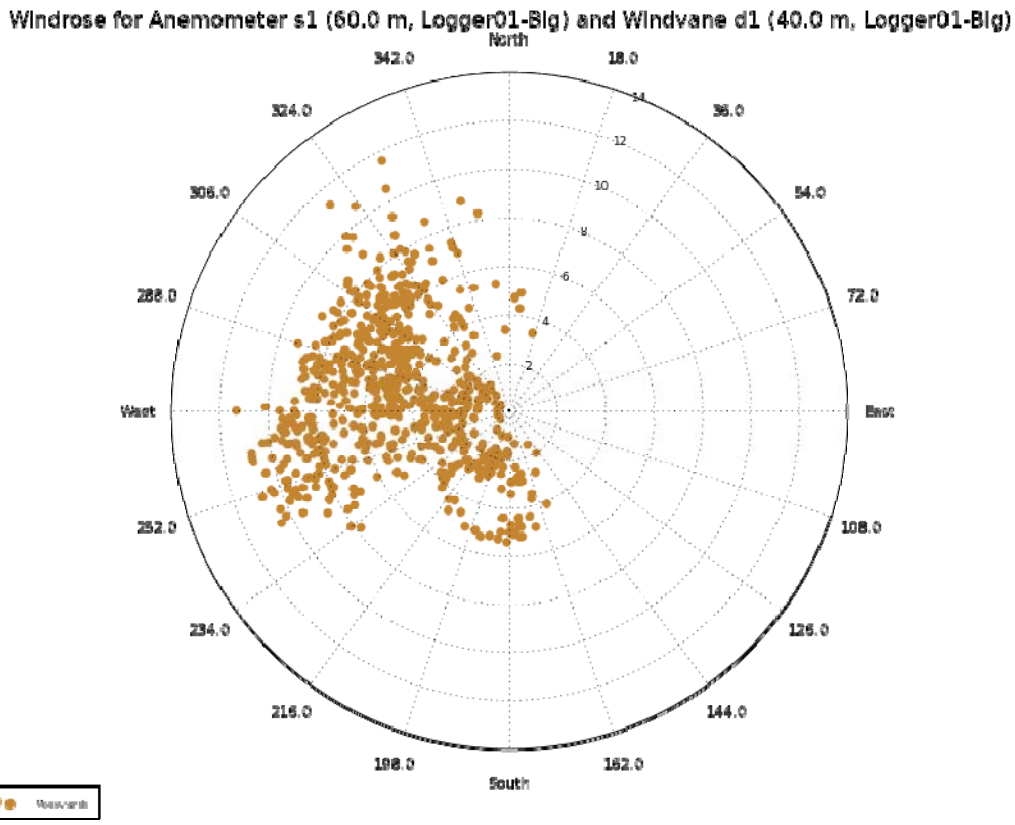
  Wind Direction Channel



AmmonitOR
Data Visualisation

- Visualise your data with selected diagrams:

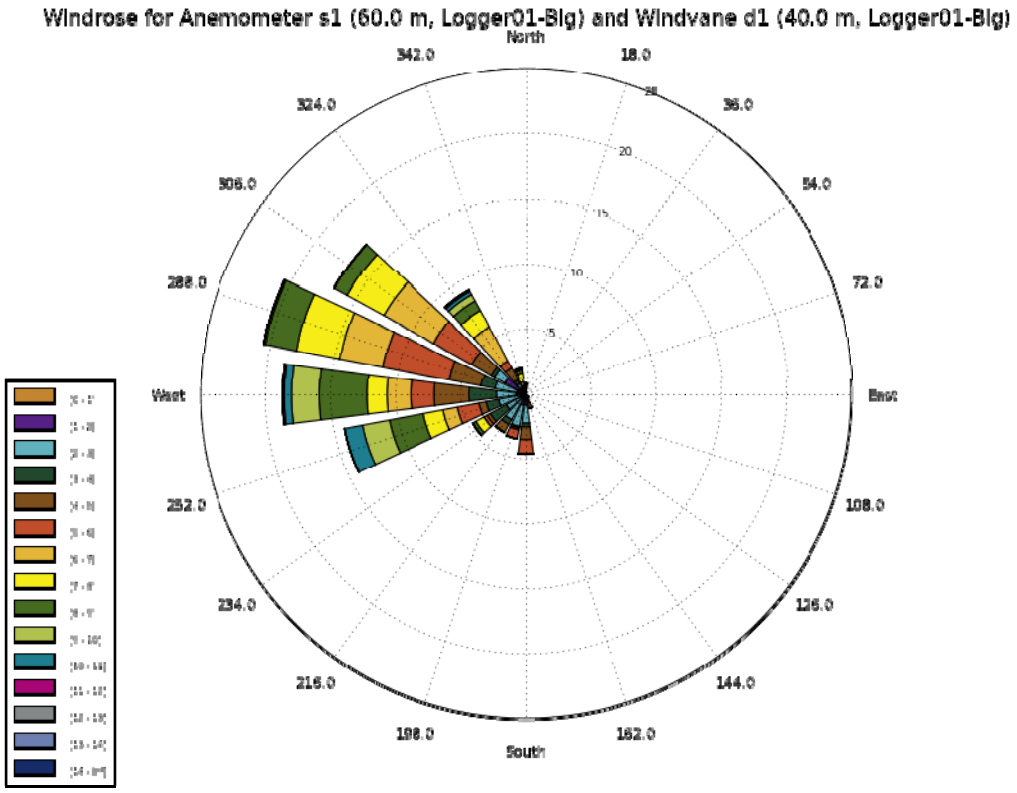
  Wind Speed
  Wind Direction



AmmonitOR – Data Visualisation

- Visualise your data with selected diagrams:

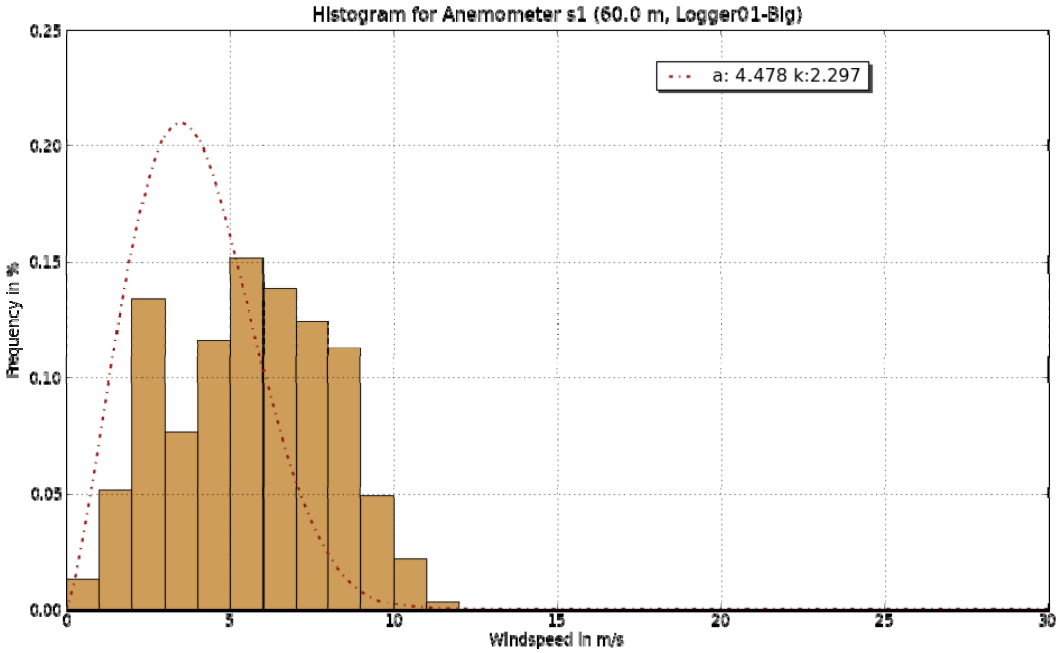
  Wind Speed
  Wind Direction



AmmonitOR – Data Visualisation

- Visualise your data with selected diagrams:

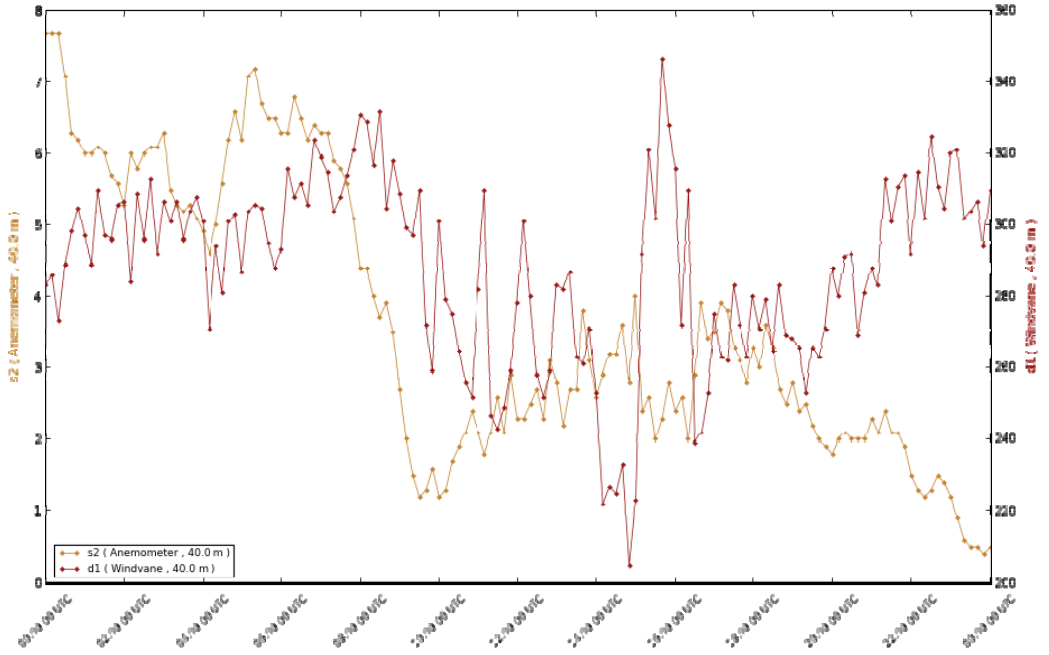
  Histogram



AmmonitOR – Data Visualisation

- Visualise your data with selected diagrams:

  XY- Plot



Register by emailing us:

ammonitor@ammonit.com

Thanks for your attention !

Author: Ammonit, July 2010

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Messtechnik mbH

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