





Pessl Instruments GmbH is a leading manufacturer of internet based weather monitoring systems called iMetos and Meteoblue a Swiss company specialized in the development of site-specific weather products have joined forces and created **i@meteo AG**.

**What is i@meteo AG?** **i@meteo AG** is an electronic weather service that delivers (with subscription) site-specific weather forecast information via web on an hourly basis. **i@meteo AG** service offers a variety of products in an easy-to-read tabular or graphical form for any place in the world. There are products for agriculture, energy, sport events and other industries. Pessl Instruments through its [www.fieldclimate.com](http://www.fieldclimate.com) platform is providing custom data sets for weather-dependent decisions.

**What do I need to run i@meteo AG?** In order to run **i@meteo AG** station-based forecast, an imetos weather station is needed. The observation data is sent via GPRS to the [www.fieldclimate.com](http://www.fieldclimate.com) database, and the weather forecast is automatically adjusted to the conditions of the spe-

cific imetos weather station. The client registers for the weather forecast on the [www.fieldclimate.com](http://www.fieldclimate.com) webpage and has to enter the longitude, latitude and altitude of his weather station. After that it takes 48 hours to generate the first forecast.

**What forecast method is being used?** **i@meteo AG** forecast is based on a proprietary numerical meso-scale model developed by Meteoblue ([www.meteoblue.com](http://www.meteoblue.com)) in co-operation with NCAP and the University of Basel since 2003. Numerical models cover the entire world and enable the production of weather forecast for any place on Earth. Local forecast are calculated for every 3-18 kilometres, which include the effects of local climate, topography and soil cover. Through weather station based adjustments for temperature and wind, forecast precision is increased for the location of the station. **i@meteo AG** detail weather forecasts are calculated for 5 days ahead on an hourly basis.

**What validation has been done?** **i@meteo AG** weather forecasts have been developed and tested on more than 100 locations worldwide. The results of the test have been very good in comparison to other predictions due to our site specific adjustments.

**What benefits does i@meteo AG give?** **i@meteo AG** is seamlessly integrated in the [fieldclimate.com](http://www.fieldclimate.com) platform where state of the art disease predictions, irrigation management decisions, frost alarms, automation etc. are given. **i@meteo AG** is a product in continuous development with the goal to assist the farming industry to take best management decisions now and in the future.

**Order possibilities:**

In order to run **i@meteo AG** an iMetos weather station is needed. The product is sold only via web registering the service on the [www.fieldclimate.com](http://www.fieldclimate.com) webpage. Several subscription options are available:

1. Monthly subscription: 31 days from placement of order.
2. Quarterly subscription: 91 days from placement of order.
3. Yearly subscription: 366 days from placement of order.

Order your demo today: We invite you to visit our web site and current product offerings. We also invite you to take advantage of a free four-week trial of any of our products. Only by trying the **i@meteo AG** service can you appreciate the reliability, quality, consistency, and completeness of automated, simulated data as your source for the web based weather information. We offer our customers the comfort hardware rentals for the time of the contract and no long-term contracts or equipment purchases. Here you order your demo: [www.fieldclimate.com/imetodemo](http://www.fieldclimate.com/imetodemo)

**What parameters are supplied?**

Service	Description	Unit	Time	Comment
Temperature 2 m	2 m above ground	°C	at hour	Automatically corrected by iMetos
Dewpoint 2 m	Dewpoint temperature 2 m above ground	°C	at hour	Automatically corrected by iMetos
Wind speed	Average	m/s	at hour	Automatically corrected by iMetos
Wind direction	Average	NESW	at hour	
Pressure	At sea level	cBar	at hour	
Precipitation	Total	mm	per hour	
Precipitation	Convective	mm	per hour	
Snow fraction	Total	mm	per hour	
Low clouds	Below 1500 m	%	at hour	
Mid clouds	1500-5000 m	%	at hour	
High clouds	Below 1500 m	%	at hour	
Radiation down	Short wave	W/m2	at hour	Only downwards, no reflection incl