

## Wind Production Forecasting

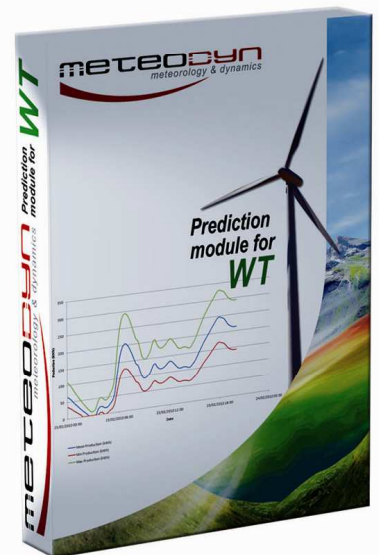
High resolution CFD !

Facilitate grid energy trading  
Optimize the feed-in tariff policies  
Improve maintenance scheduling

➔ Meteodyn's production forecasting provides you with:

- Short-term forecasting system to predict energy production
- Integration of air densities, atmospheric stabilities and wake effects
- Meso-to-micro downscaling
- Predictions with a 15 minutes step, possible up to 7 days
- Meso scale forecasts available all around the world, updated 4 times a day

➔ Meteodyn offers you 2 solutions:



*An integrated module to meteodyn WT*

**For a total autonomy on your projects**

*Make your own preliminary study with meteodyn WT  
(preparation of your site, assessment of the local  
wind characteristics on your project...)*

*A stand-alone prediction application for one given park*

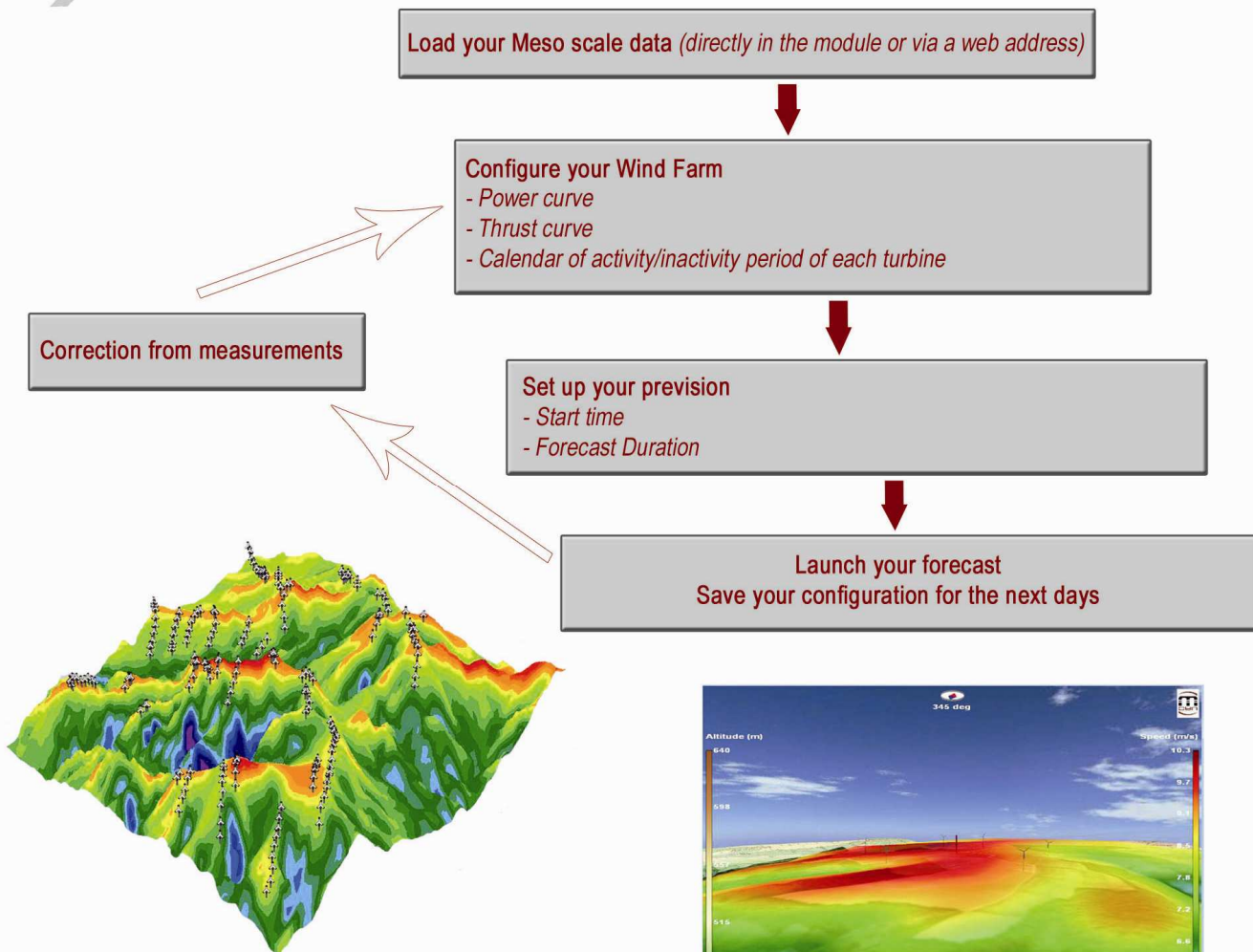
**For a ready-to-use solution**

*Meteodyn takes in charge the preliminary study  
(preparation of your site, assessment of the local wind  
characteristics on your project, diurnal and  
seasonal analyses...)*

✓ ✓ *Integrate your meso scale data*  
✓ *Configure your forecasting parameters*  
*(calendar, machine specifications, forecast duration...)*

**GET YOUR PRODUCTION FORECASTING !**

## ➔ How does it work ?



## ➔ Prediction results

For each wind turbine and for the whole wind farm:

- Minimum, Mean and Maximum of the Power (kW)
- Minimum, Mean and Maximum of the Wind Speed (m/s)
- Minimum, Mean and Maximum of the Production (kWh)

With a step from 15 min to 1 hour

