



Belgian Solar Forecasting

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Developments:

- **17/02: setup of solar forecast data source**
 - based on installed power per community (source = VREG/CWAPe/BRUGEL)
 - based on number of PV-systems (≤ 10 kVA & > 10 kVA)
 - forecast supplier selection based on wind forecasting project experience & 50HzT-input
 - current total monitored capacity = 1600MWp

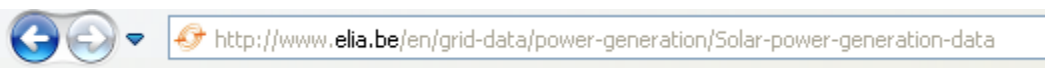
- **18/07: start of online publication, with data-export functionality**
 - basic day-ahead forecast of Belgian aggregate (1600MWp), updated @ 11A.M.
 - currently no real-time nor ex-post measurements but only forecasts are acquired & published
 - no (exhaustive) quality check was performed; however preliminary checks show good calibration
 - = **'short-term' solution** for increased transparency (~ incompressibility, ...)

- **March - December 2012: design & implementation of exhaustive 'solar forecasting' project**
 - Development of more detailed graphs with filtering options (Belgium, provinces, DSO-level, PU-level)
 - Development of dynamic representation on Belgian map
 - Acquiring real-time estimation based on +/- 3500 distributed PV-systems →
 - Integration of snow-indicator & uncertainty bands possible
 - Go-live : test version expected in +/- December 2012



Belgian solar forecasting

Illustration of online publication:



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Home > Grid data > Power generation > Solar power generation data

SOLAR POWER GENERATION DATA

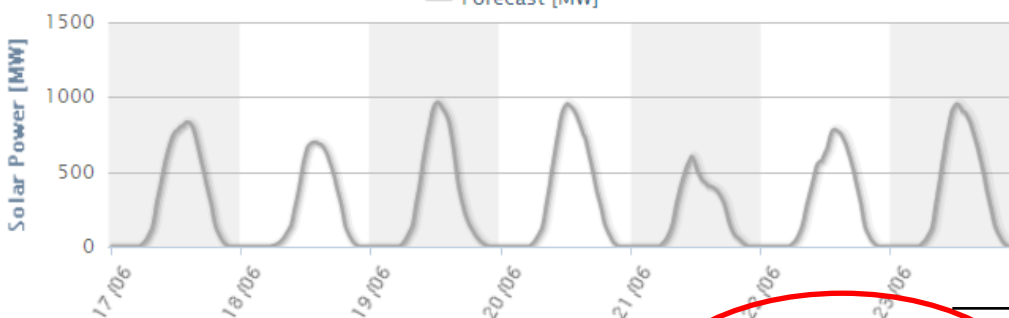
Here you can see solar generation forecasts and historical data.

BeginDate: 17-06-2012 EndDate: 23-06-2012 Refresh

Monitored capacity: 1600 [MWp]

Belgian Solar-Power Forecasting

— Forecast [MW]



Current selection [v] Export

- Current selection
- August 2012
- July 2012
- June 2012
- May 2012
- April 2012
- March 2012

• Selection of period

• Current monitored capacity = 1600MWp

- installed capacity June 2012 = +/- 2360MWp
- will be updated asap

• Export of historic data: monthly or selection