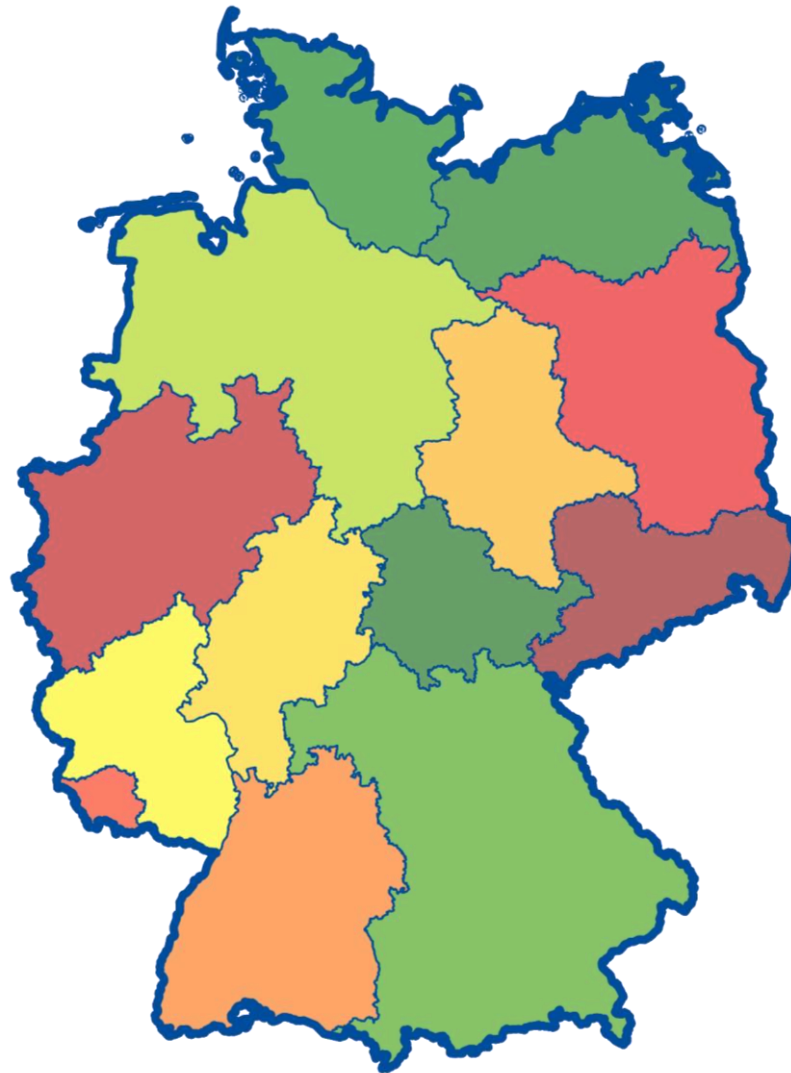


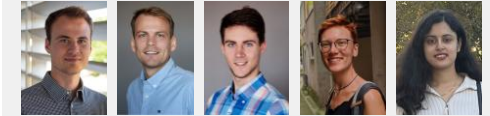
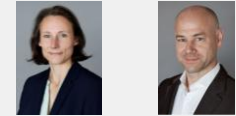


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low [green] [light green] [yellow] [orange] [red] [dark red] high

CO<sub>2</sub>Map.de  
Beta-Version



Contact:  
[contact@co2map.de](mailto:contact@co2map.de)

Speaker:  
Tim Fürmann

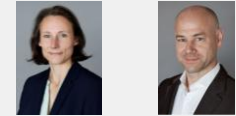
*Predicting Tomorrows Generation- and Consumption-Based Grid Emission Intensities for German Federal States using a Renewable Forecasting Tool based on atlite*



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**CO<sub>2</sub>Map.de**  
**Beta-Version**



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Generation and Demand



Regionalization

RES Modeling



Nowcast



Forecast

*Predicting Tomorrows Generation- and Consumption-Based Grid Emission Intensities for German Federal States using a Renewable Forecasting Tool based on atlite*

Generation and Demand



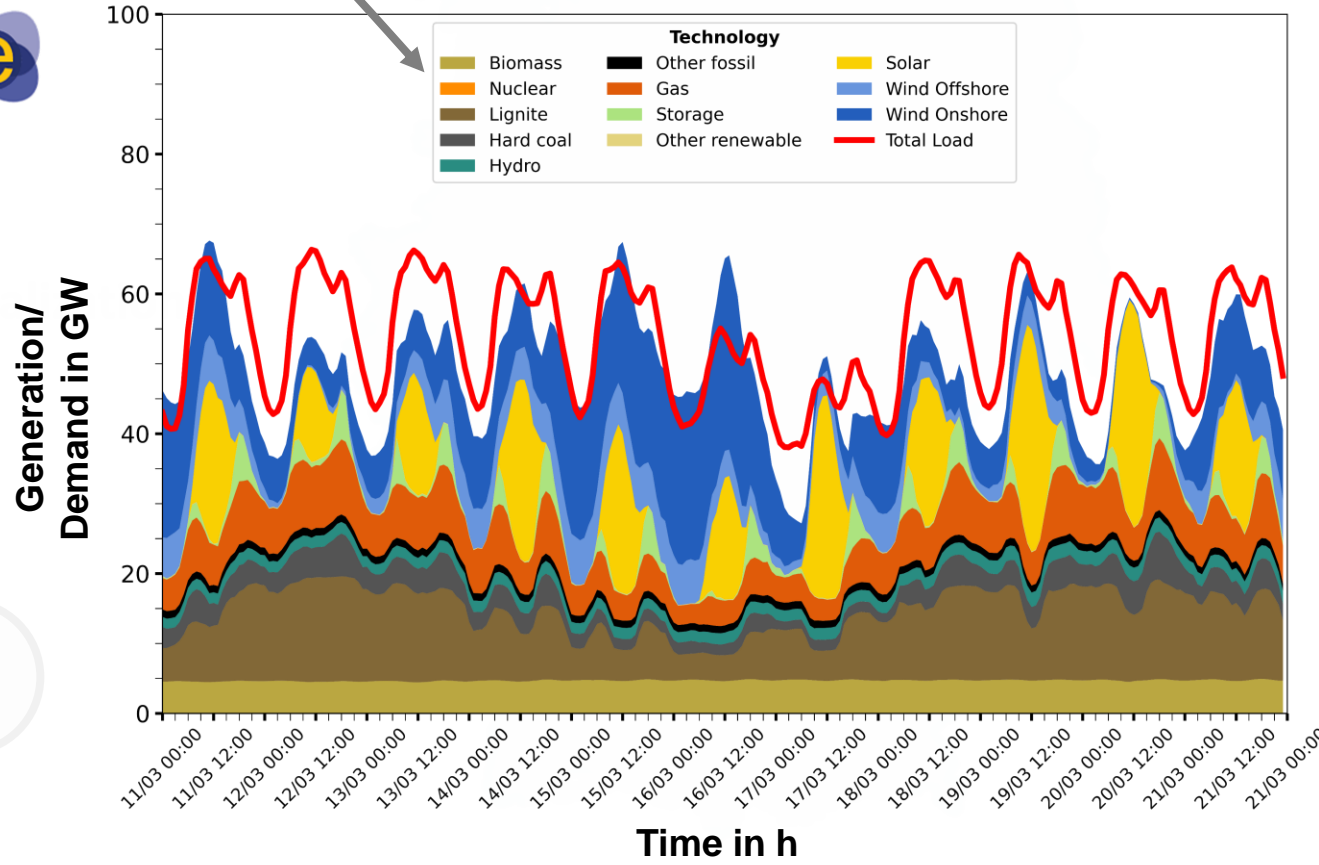
1



2 Region

RES Modeling

3



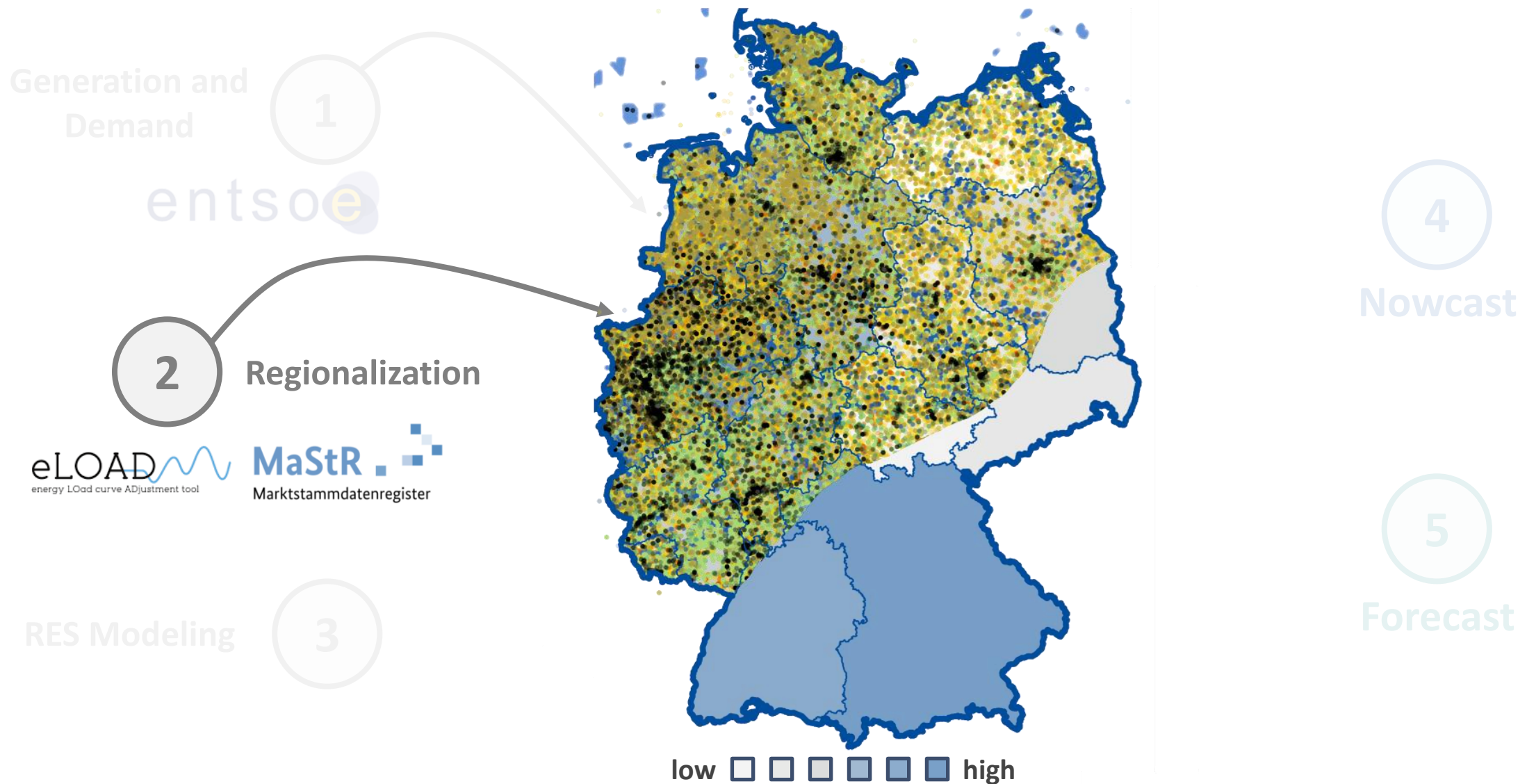
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Nowcast

5

Forecast

***Predicting Tomorrows Generation- and Consumption-Based Grid Emission Intensities for German Federal States using a Renewable Forecasting Tool based on atlite***



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Generation and Demand

entsoe

1

2

Regionalization

eLOAD  
energy LLoad curve ADjustment tool

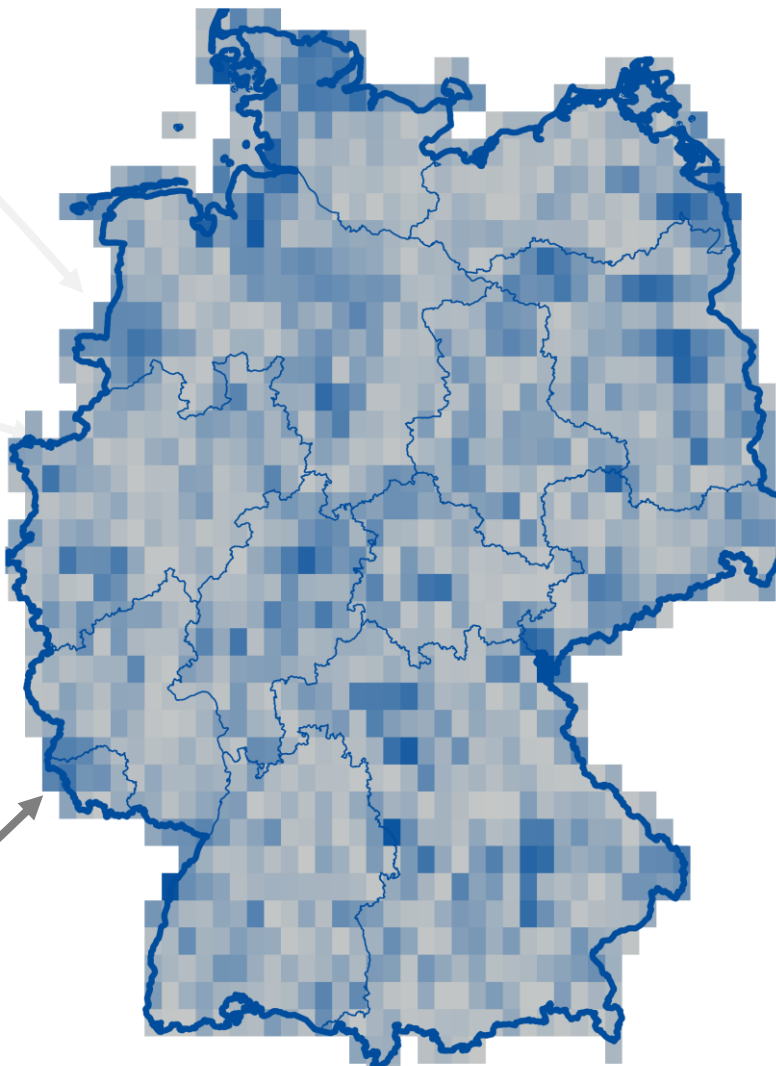
MaStR  
Marktstammdatenregister

RES Modeling

3



atlite



200

175

150

125

100

75

50

25

Windspeed (forecast)  
at a height of 100m in m/s

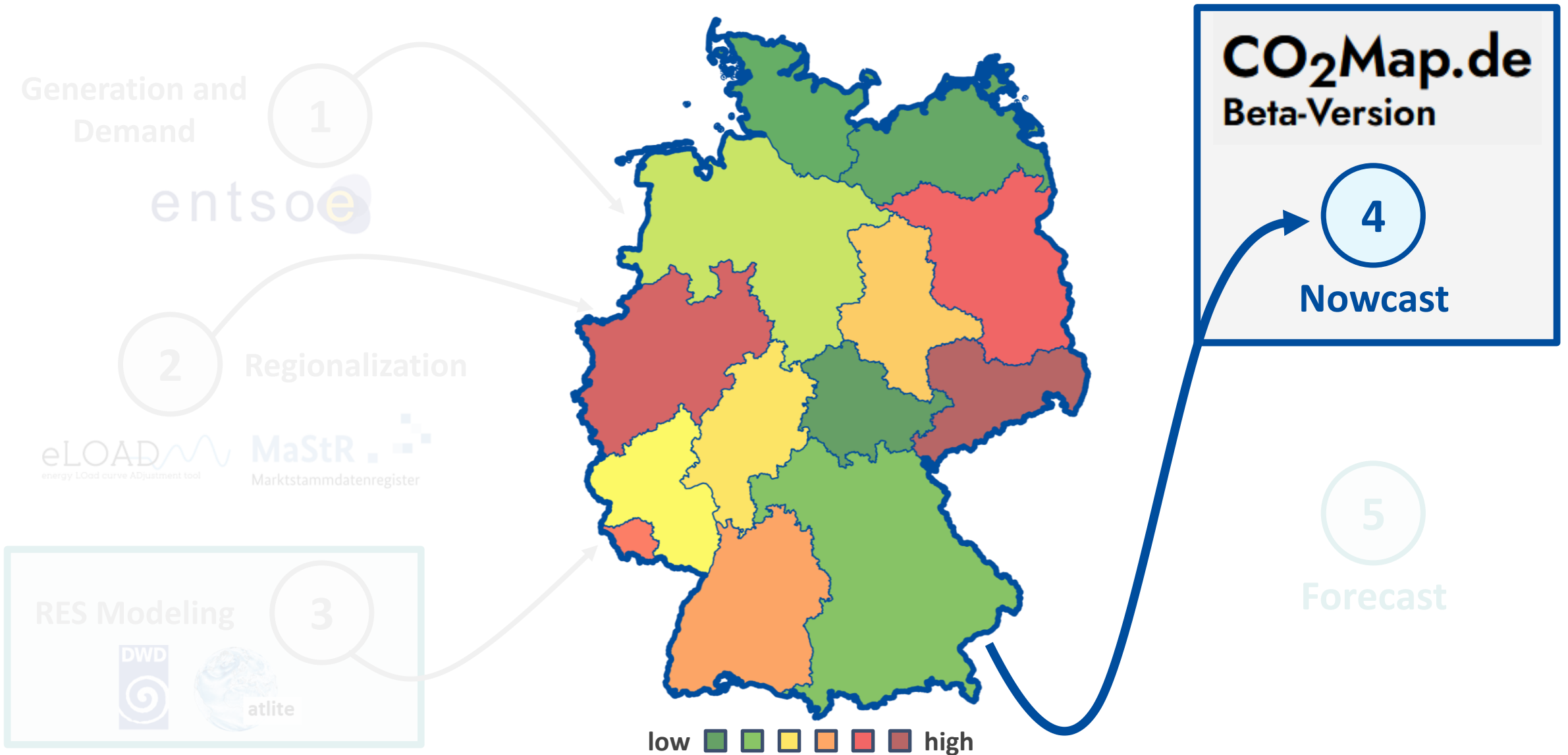
4

Nowcast

5

Forecast

***Predicting Tomorrow's Generation- and Consumption-Based Grid Emission Intensities for German Federal States using a Renewable Forecasting Tool based on atlite***



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Generation and Demand



entsoe



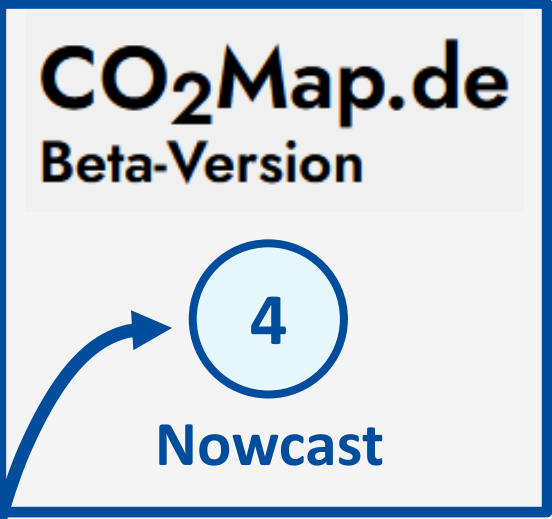
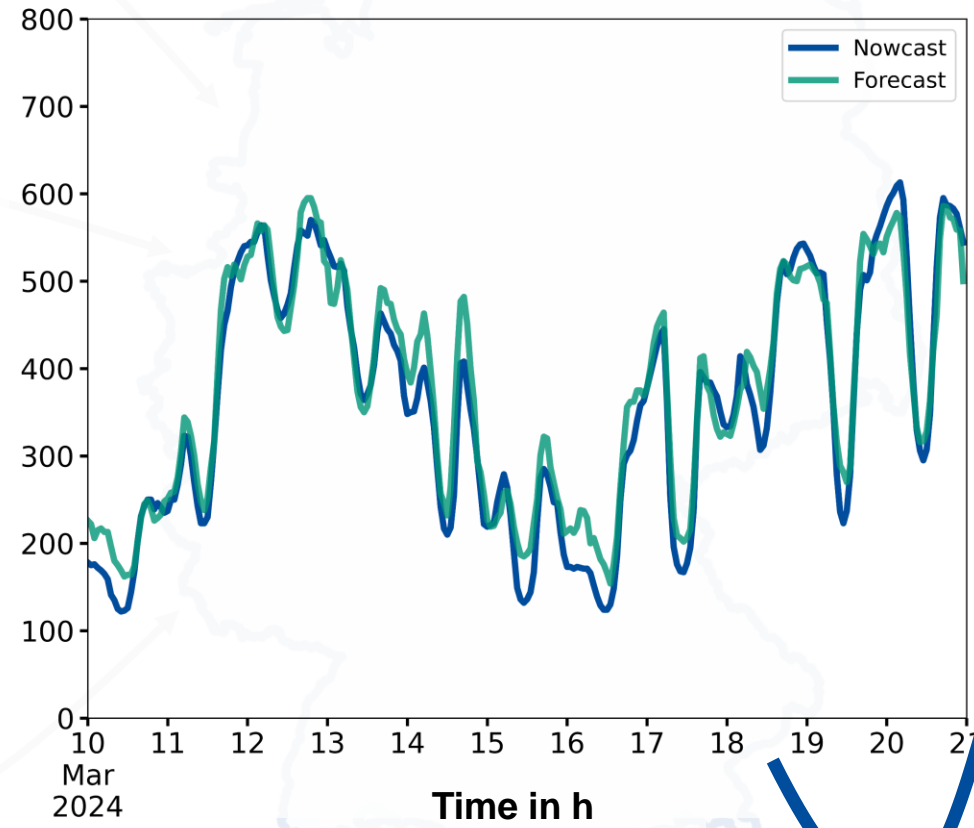
Regionalization

eLOAD  
energy Load curve Adjustment tool

MaStR  
Marktstammdatenregister



Consumption-based CO2 emission intensity in gCO2/kWh



***Predicting Tomorrow's Generation- and Consumption-Based Grid Emission Intensities for German Federal States using a Renewable Forecasting Tool based on atlite***



Generation and Demand

1

entsoe

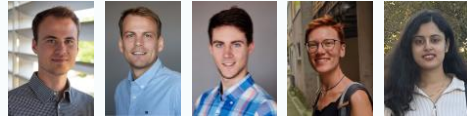
2 Regionalization

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3



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4

Nowcast

ML

5

Forecast

*Feel free to check out the webpage and contact us for discussion!*  
[www.co2map.de](http://www.co2map.de)