

## Wind data

*Wind direction*

## Geographical data

*Buildings*

*Vegetation*

Building  
Röckle zones

**1. Creation of  
stacked blocks**

Stacked  
blocks

**2. Domain rotation**

Rotated stacked  
blocks

Rotated  
vegetation

**3. Upwind facade  
identification**

**4. Downwind facade  
identification**

**5. Grid generation**

Rotated stacked  
blocks

Downwind facades

Upwind facades

Grid

Rotated  
vegetation

