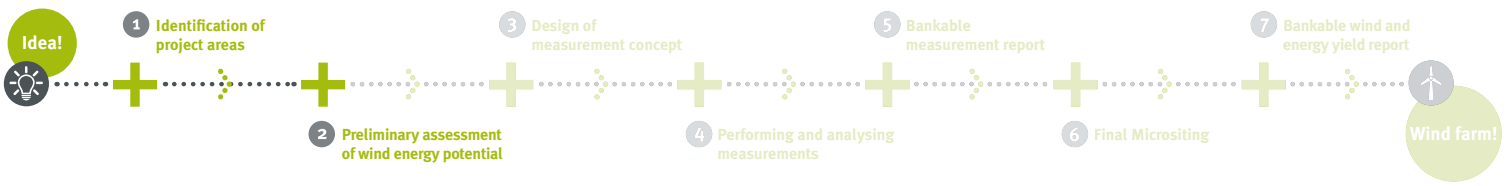
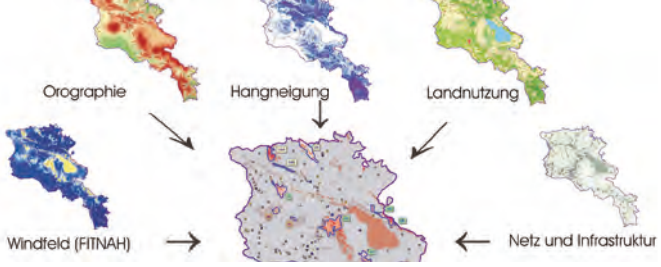
GEO NET

# Where does the wind blow?

We find the most profitable wind sites
for your future investments.




DAkkS Deutsche Akkreditierungsstelle D-PL-11132-01-00

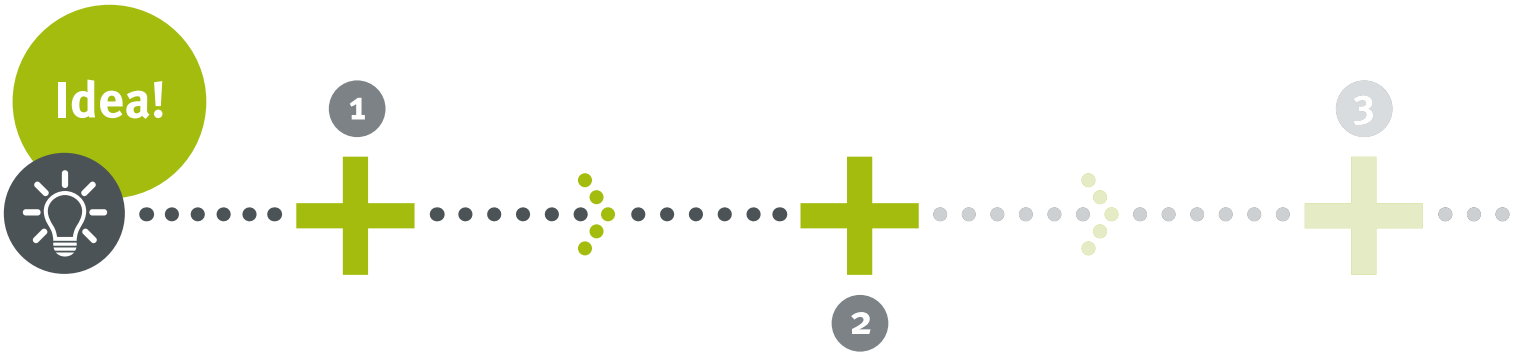




## 1 Identification of project areas

**GEO-NET will support you professionally by identifying suitable sites for your wind energy project.** Within the scope of a wind potential study, the wind field is simulated for the searching area with our mesoscale air flow model FITNAH-3D. Applying geographic information system (GIS) programs, we will consider nature conservation and planning requirements. These include restrictions such as distance from inhabited areas, flight security and requirements related to the protection of species or location characteristics such as infrastructure, distance to the grid connection point and terrain conditions.

According to the criteria specified by you (such as minimum wind speed at hub height, minimum height of the planned wind generators, minimum size of area), we will identify the most suitable areas in which your wind energy plants can produce “green” electricity. For further planning and realisation steps, all information will be provided in a GIS project.




## 2 Preliminary assessment of wind energy potential

**To provide you with a quick and cost effective appraisal of wind energy potential even in the early stage of the project development, GEO-NET offers the option of preliminary wind calculation of a respective site, as well as an evaluation of annual energy yield for the selected turbine type.** Here, GEO-NET resorts to wind field simulations, energy yield time series of existing wind turbines and available wind measurements.

If possible, we also make use of our long-standing experience gained in previous wind and energy yield calculations conducted for the respective region.

The significant wind energy potential for the economic efficiency of your planned wind farm location will be estimated reliably. Relating to your investment decisions, we will provide you with technical assistance of your wind energy project at an early stage.

**GEO-NET**
**Umweltconsulting GmbH**
Große Pfahlstraße 5a
30161 Hannover
Germany
Phone 0049 (0) 511 388 72 00
Fax 0049 (0) 511 388 72 01
info@geo-net.de
www.geo-net.de
CEO:
Dipl.-Geogr. Thorsten Frey
Dipl.-Geogr. Peter Trute