

# SOFTWARE SOLUTIONS

## MET SCREENING

### CREATION OF A THEORETICAL WEATHER CONDITIONS FILE FOR YOUR DISPERSION PRE-STUDIES

*MET SCREENING is an executable file allowing to generate a theoretical weather conditions file, specific to a particular geographic location.*

#### Advantages

- Easy-to-use software.
- Cheap.
- Rapid implementation.
- The expenditures linked to the acquisition of weather data are managed.
- Adapted for the carrying out of dispersion pre-studies (screening).

#### Methodology

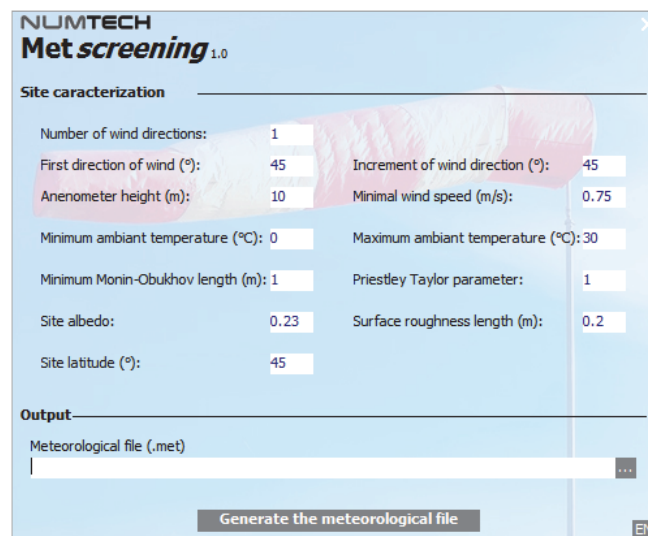
- Software tool based on AERSCREEN's functioning, developed for AERMOD software and adapted for a functioning with ADMS.

#### Recommended configuration

- Operating system: Microsoft Windows 7, Microsoft Windows 8, Microsoft Windows 10, Microsoft Windows Server 2008, Microsoft Windows Server 2012. 32 and 64-bit versions supported.
- RAM: 1 GB.
- Available disk space: 50 Mo.

#### A meteorological file for your dispersion pre-studies

- Creation of a fictive weather data file for a given geographic location.
- Consideration of the characteristic parameters of the site: latitude, surface roughness, albedo, etc.
- The acquisition of real meteorological data is not required.
- Format directly used as inputs for the range of ADMS software.
- For each meteorological condition created, it allows the calculation of the maximum concentration levels that may be generated by one or several source(s).
- Upper approach allowing a preassessment of the potential maximum impact of the releases from one or several source(s) on the ambient concentration levels.
- Depending on the results (threshold exceedances, for example), it guides the user on the necessity or not to pursue his investigations by carrying out a full dispersion study requiring the acquisition of meteorological data.



MET SCREENING's interface.

The MET SCREENING program is developed and distributed by NUMTECH.