

# AUSTAL View

## Lagrangian Particle Tracking Air Dispersion Model

### Sources (unlimited)

- ▶ Point
- ▶ Volume
- ▶ Area
- ▶ Line
- ▶ Cooling Tower

### Receptors (unlimited)

- ▶ Single or Multi-Tier Grid
- ▶ Calculated by the model

### Met Data

- ▶ Hourly met file
- ▶ Statistical met file

### Terrain Data

- ▶ XYZ File
- ▶ ArcInfo GRIDASCII

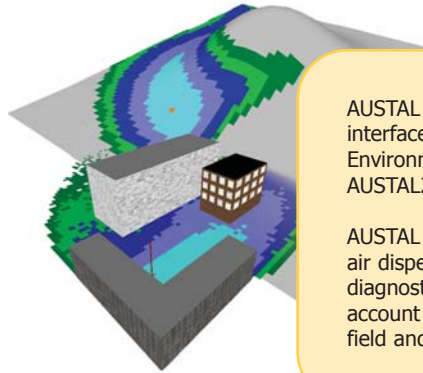
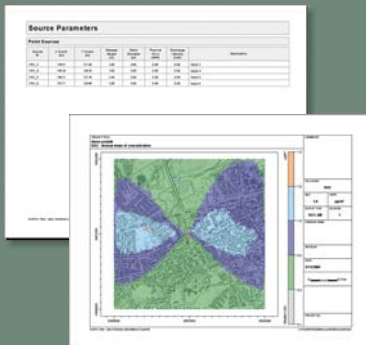
### Maps

- ▶ Bitmap
- ▶ USGS DLG
- ▶ USGS LULC
- ▶ AutoCAD DXF
- ▶ ESRI Shapefile
- ▶ JPEG
- ▶ TIFF/GeoTIFF
- ▶ MrSID

### Export Options

- ▶ Shapefiles
- ▶ Bitmaps
- ▶ Metafiles

### Professional Reports

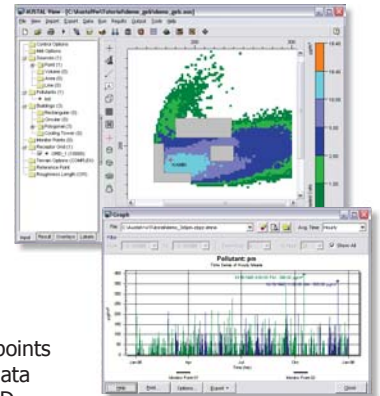


AUSTAL View is an ergonomic and intuitive user interface for the official German Federal Environmental Agency air dispersion model, AUSTAL2000.

AUSTAL View uses a Lagrangian particle tracking air dispersion model that contains its own diagnostic wind field model. The model takes into account the influence of topography on the wind field and therefore on the dispersion of pollutants.

### Features

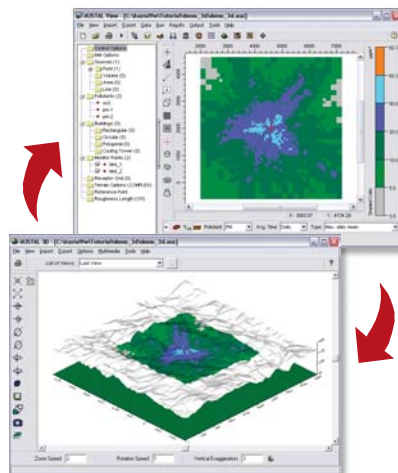
- ▶ Interactive graphical input
- ▶ GIS-enabled interface
- ▶ Extensive map support
- ▶ Multiple sources and pollutants
- ▶ Emission time series generator
- ▶ Hourly or statistical met data
- ▶ Import AUSTAL2000 input files
- ▶ Add-on module available for odor evaluation



### Output Options

- ▶ Display of calculation results as contours, shaded cells, and posting
- ▶ Graph of concentration time series at monitor points
- ▶ Powerful 3D visualization of input and output data
- ▶ Terrain and wind field visualization in 2D and 3D
- ▶ Graphical annotation tools and labeling options
- ▶ Complete control over customization of graphical output displays
- ▶ Report-ready output: source parameters, emissions, and results

### Seamless 2D to 3D



### Meteorological Tools

- ▶ Windrose plots
- ▶ Frequency tables
- ▶ Wind class frequency graphs
- ▶ Dispersion class frequency graphs



Also available in German.

We thank ArguSoft, from Germany, for the support provided on the development of AUSTAL View.