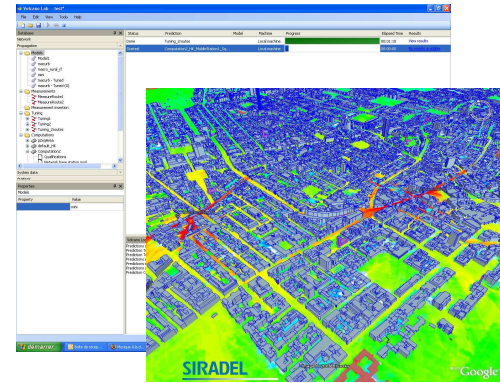


■ VOLCANO LAB

Technology

- Multiple wireless technologies compliancy (2G, 3G, 3G LTE, 4G, Ad hoc, WiMAX, Mobile TV, GSM-R...)
- Innovative Vertical Plane, 3D urban and street-level propagation models
- Multiple environment compliancy (rural to dense urban)
- Outdoor to Indoor simulations (including multifloor)
- Indoor to Outdoor simulations (eg. Femto cells analysis)
- Automatic Model Tuning
- Performance Analysis Toolkit
- Capability to customize simulations (outdoor only, indoor only...)
- Simulations along 2D linear vectors (polylines) considering angles of incidence
- Simulations for receivers above ground and/or above clutter
- Advanced simulations (Power Delay Profile, Delay spread, Orthogonality factor...) towards Mimo



Volcano Lab Graphical User Interface

Operational

- State-of-the-art technology successfully used with operational large scale networks (several thousands of cells, several tens of users)
- Optimized calculation offering best trade-off between computation time and accuracy
- Automatic Tuner providing reliable models faster than standard methods and using less measurements
- No need for a host planning tool
- Results are immediately usable (raw format)
- Benefits from flexibility offered by component technology

GIS

- BIL, Planet and Asset Raster data
- Planet, Mapinfo and Shape Vector data
- Support of multi-resolution projects (2D raster/3D raster/3D vector)

Software

- OS: Windows XP/Vista
- Citrix/Terminal Server supported
- Standalone, Server and Server-commutable (with a nomadic use capability)

Portability

- Import/export feature for easy migration of all or part of projects from third part applications (planning tools, optimisation tools, network analysis tools, GIS tools...) to Volcano Lab and vice versa.
- Export of the Volcano Lab results into several formats (planning tools, GIS tools...) – Eg. Google Earth