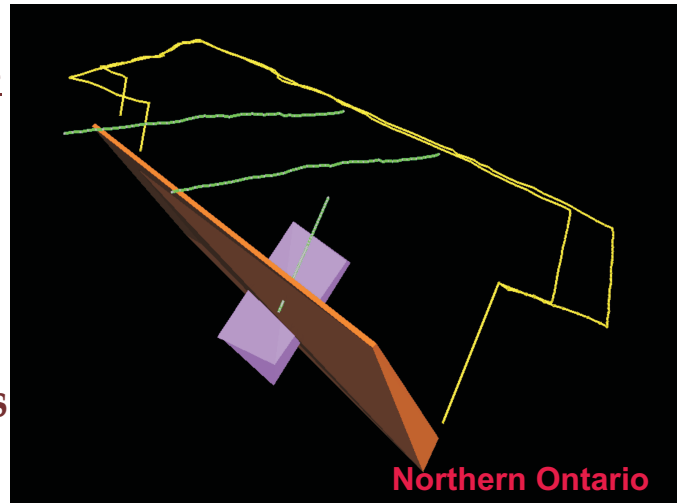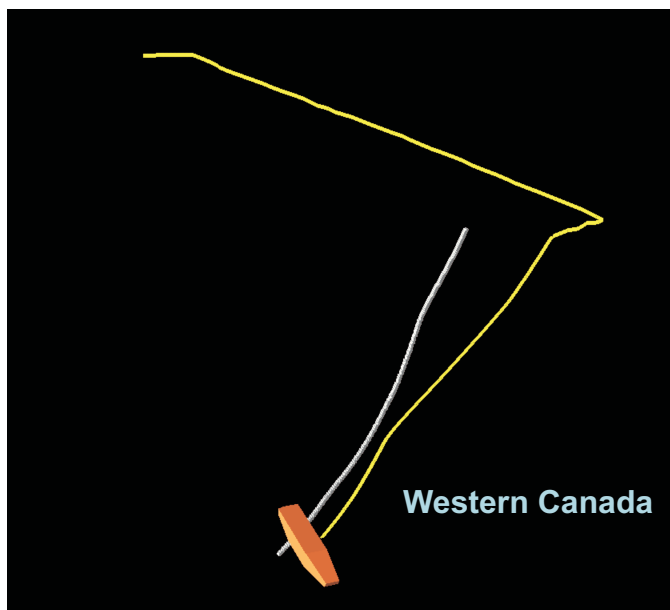# EMIGMA 11.0 *For Vista/W7 /W8.1 and W10/W11*

Resistivity/ IP / MMR
ground , surface to borehole, crosshole

Surface and Borehole MMR Surveys

- DC and low frequency MMR
- Arbitrary Surface Grounded Source
- Surface and borehole measurements
- Merging of ground and borehole surveys
- Freespace and conducting background models
- Accurate Simulation of 3D source fields
- 4 forward modeling algorithms
- Flexible plotting and data contouring
- 3D visualization and survey design tools

Northern Ontario

MMR Ground and Borehole Survey with Model

Western Canada

Surface to Borehole Spectral IP

Surface to Borehole
Cross-borehole IP

Resistivity and IP
- Surface electrode to borehole electrode sources
- TX/RX Inhole electrodes
- Conductive and Polarizable Backgrounds
- Accurate Simulation of 3D source fields
- Flexible plotting and data contouring
- 3D visualization tools

Processing, Imaging & Interpretation Suite
for Mining, Oil & Gas, Near Surface
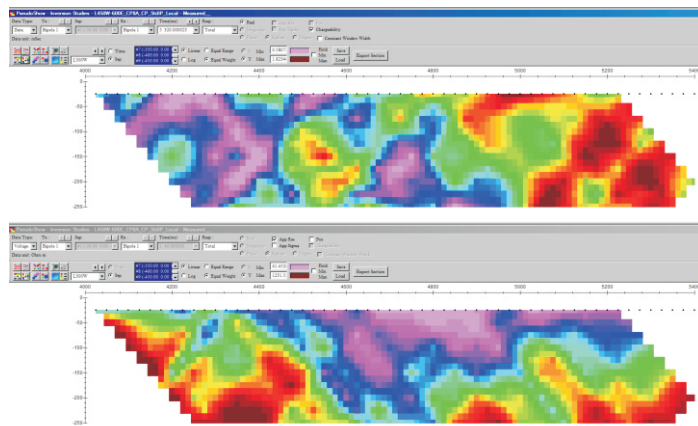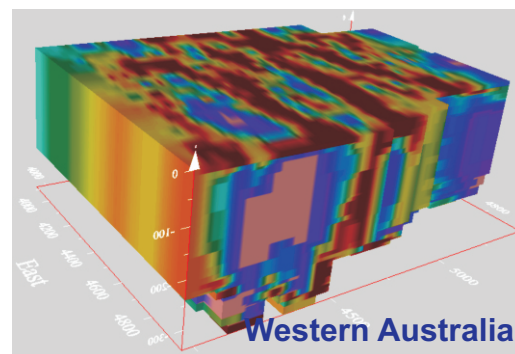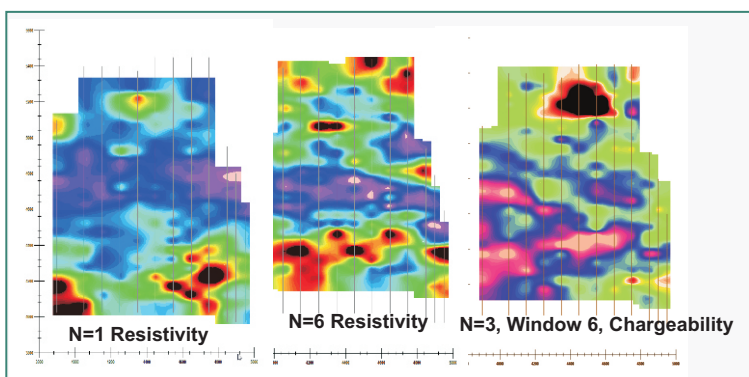### Exploration, Environmental, UXO, Geotechnical, Delineation

Eikon Technologies   1.519.943.0001
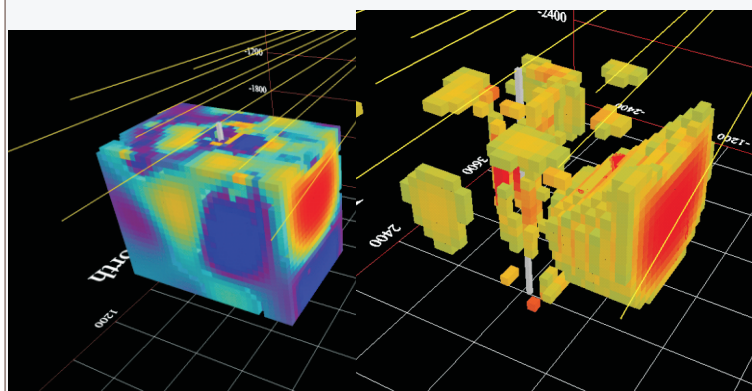
EMIGMA 11.0
Vista/W7 /W8.1/ W10 /W11

Resistivity/ IP / MMR /MIP
ground , surface to borehole, crosshole

Surface IP/Resistivity Surveys

Resistivity, IP , MMR, MIP data

Time Domain or Frequency Domain

Dipole-dipole, pole-dipole, pole-pole

- gradient, Schlumberger, Wenner

Fast and Accurate 2D/3D resistivity modeling

- arbitrary contrast and aspect ratios

Fast and Accurate Full-solution 3D IP modeling

- Cole-Cole IP characterization
- including Magnetic and EM effects
- Unlimited bodies (prisms and/or polyhedra)
- Accurate multiple-body interactions for proper current flow calculations
- Topography effects

1D & 3D Resistivity Inversions

Apparent Rho and Chargeability

Western Australia
3D Resistivity Ground Survey

N=1 Resistivity

N=6 Resistivity

N=3, Window 6, Chargeability

**Surface to Borehole
Multiple TX and Boreholes**

Processing, Imaging & Interpretation Suite
for Mining, Oil & Gas, Geotechnical
Exploration, Environmental, UXO, Geotechnical, Delineation