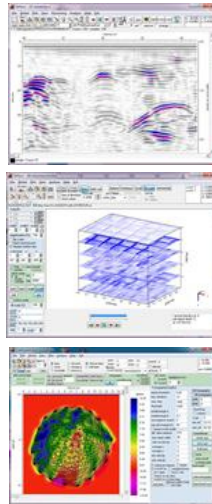


- 2D-dataanalysis
- 3D-datainterpretation
- modelling

GPR

GroundPenetratingRadar processing and interpretation for

	2D-data	3D-data	transmission, VSP
2D-data-analysis	x	x	x
3D-data-interpretation		x	
modelling (simulation/inversion)	x		x
Reflex2DQuick	x		
Reflex3DScan		x	



2D-data
zero or multi offset

- [Reflexw 2D-dataanalysis](#)
- [Reflexw modelling](#)
- [Reflex2DQuick](#)

3D-data
ZeroOffset

- [Reflexw 2D-dataanalysis](#)
- [Reflexw 3D-datainterpretation](#)
- [Reflex3DScan](#)

transmission
data
of any 2D geometry

- [Reflexw 2D-dataanalysis](#)
- [Reflexw modelling](#)

Short overview of the Reflexw possibilities for the different GPR data types

2D-data <u>2D-dataanalysis, modelling</u>	3D-data <u>2D-dataanalysis, 3D-datainterpretation</u>	transmission-data <u>2D-dataanalysis, modelling</u>
<ul style="list-style-type: none"> • import from all well known GPR-formats like GSSI, MALA, Sensors&Software, IDS, UTSI, Zond, SEG2, SEGY and other non-standard formats • processing includes all necessary filter and edit functions starting from simple bandpassfilters up to complex Finite Difference migration. Also special algorithms for the different GPR-datatypes are included. Processing may be done on single profiles as well as on a set of profiles as a sequence processing. • Many different 2D-data interpretation tools are incorporated. Diffraction hyperbolas may be interpreted as well as single reflectors resulting in a so called layershow. • forward modelling for simulating the electromagnetic wave propagation in a 2-dimensional medium using a Finite Difference scheme enabling you for example to optimize your survey design in front of a measurement • CMP- or moveout-data are processed within the CMP-analysis menu which allows an interactive determination of the velocity distribution using different methods (e.g. semblance analysis). 	<ul style="list-style-type: none"> • import from all well known GPR-formats like GSSI, MALA, Sensors&Software, IDS, UTSI, 3D-Radar, SEG2, SEGY and other non-standard formats • Building a 3D-dataset either from parallel equidistant 2D-lines or from freely distributed data including full GPS integration using a spatial interpolation scheme. • processing includes all necessary filter and edit functions starting from simple bandpassfilters up to complex Finite Difference migration. Special 3D-algorithms are available. • The 3D-data may be interpreted within the scroll, windows or 3D-cube mode. A 3-dimensional picking is included. 	<ul style="list-style-type: none"> • import from all well known GPR-formats like GSSI, MALA, IDS, UTSI, Sensors&Software, SEG2, SEGY and other non-standard formats • Different methods for entering an arbitrary 2D geometry, e.g. crosshole data. • processing includes all necessary filter and edit functions. • Picking of first arrivals - manual, automatic or semi-automatic, ASCII-conversion of the picks • tomographic inversion of transmission travelttime data (2D straight and curved rays, 3D straight rays)

