# RadExPro 2013.2 release notes

We are happy to tell you that the next version of our seismic software , RadExPr 2013.2, has been just released.

Then main upgrades are as following:

- We have added post-stack **Kirchhoff time migration** to the list of available migration options. The algorithm allows both vertical and lateral changes in migration velocities, that can be either taken from the database (from the output of the Interactive Velocity Analysis) or set up manually.

- The **Interactive Velocity Analysis** module have been significantly improved. Now it can work with pre-computed semblances (we have added a new module called **Velocity Analysis Precompute** that pre-computes semblances and save them to the project database), which makes scrolling between different SCDPs much faster. This allowed us to add an SCDP selector to the IVA for fast navigation through the super-seismograms. It also indicates the points, where you have already picked velocities and those where the picking is still to be completed.
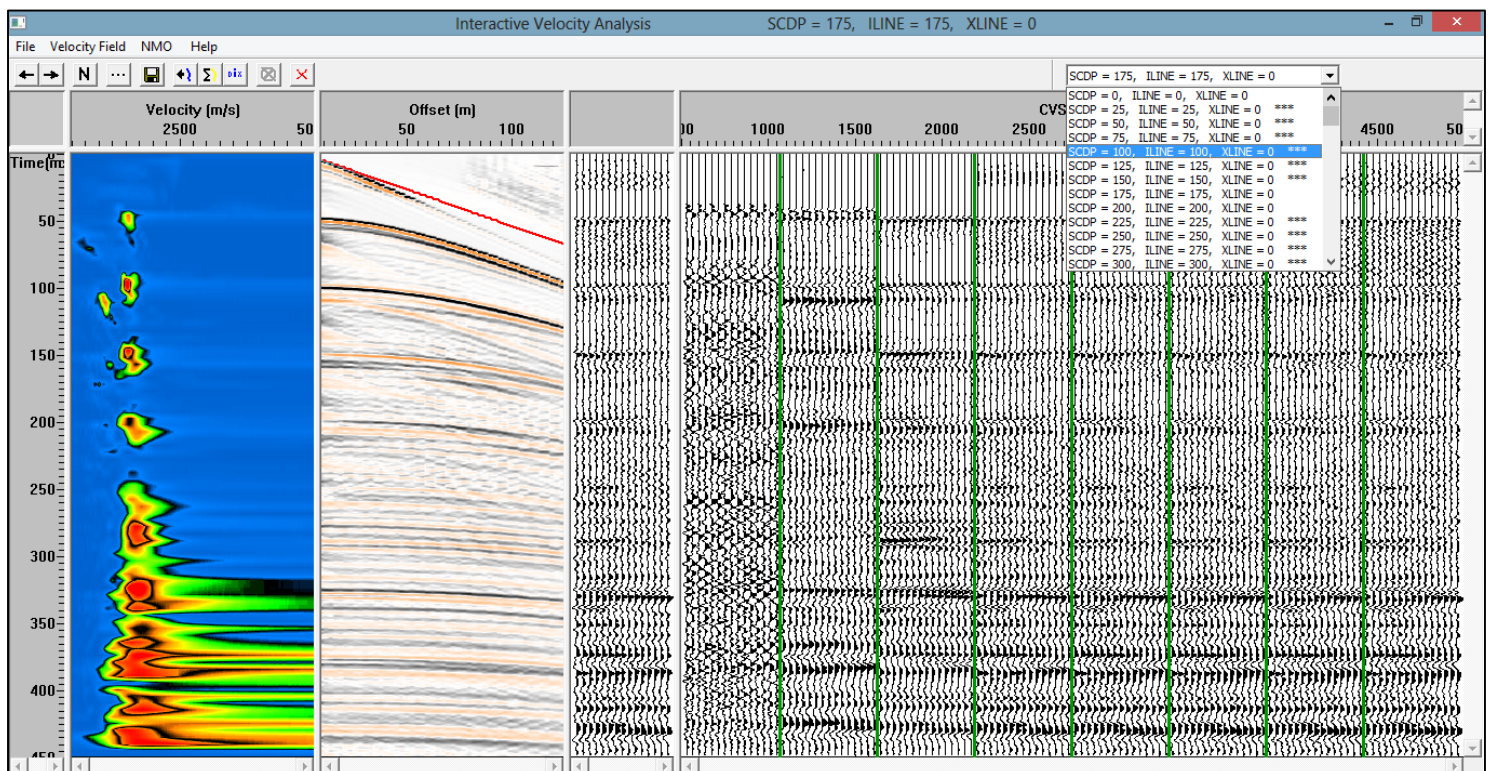
- The **CrossPlot** module can now display any number of additional pairs of headers on top of an existing crossplot. For instance, now you can easily display your source, receiver and CDP locations in one and the same window with the same scales.

- Tired of scrolling through the long list of useless headers in **Screen Display** looking for the one you really need? Now you can select which headers of a trace you are going to be looking at when calling the Header Display window. The list is easily editable at any time.
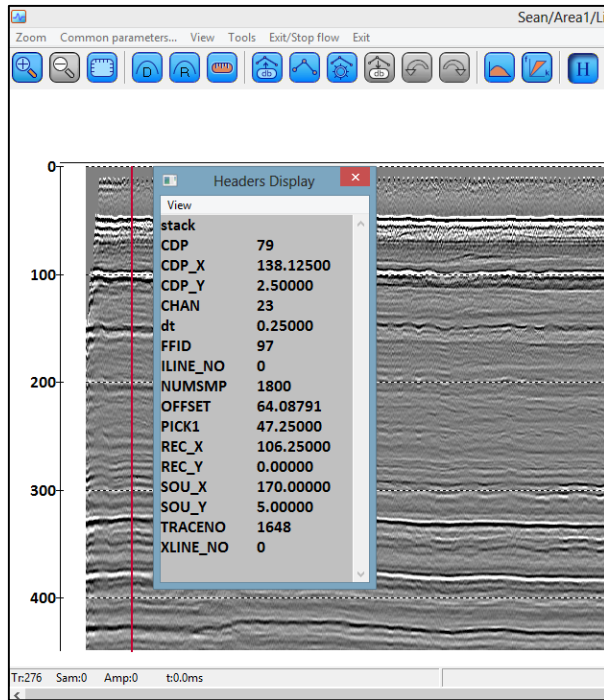
- Vs30 estimation has been added to the **MASW** module. You can plot the calculated values both inside of modeling window (for each mid-point) and on top of the final Vs section.
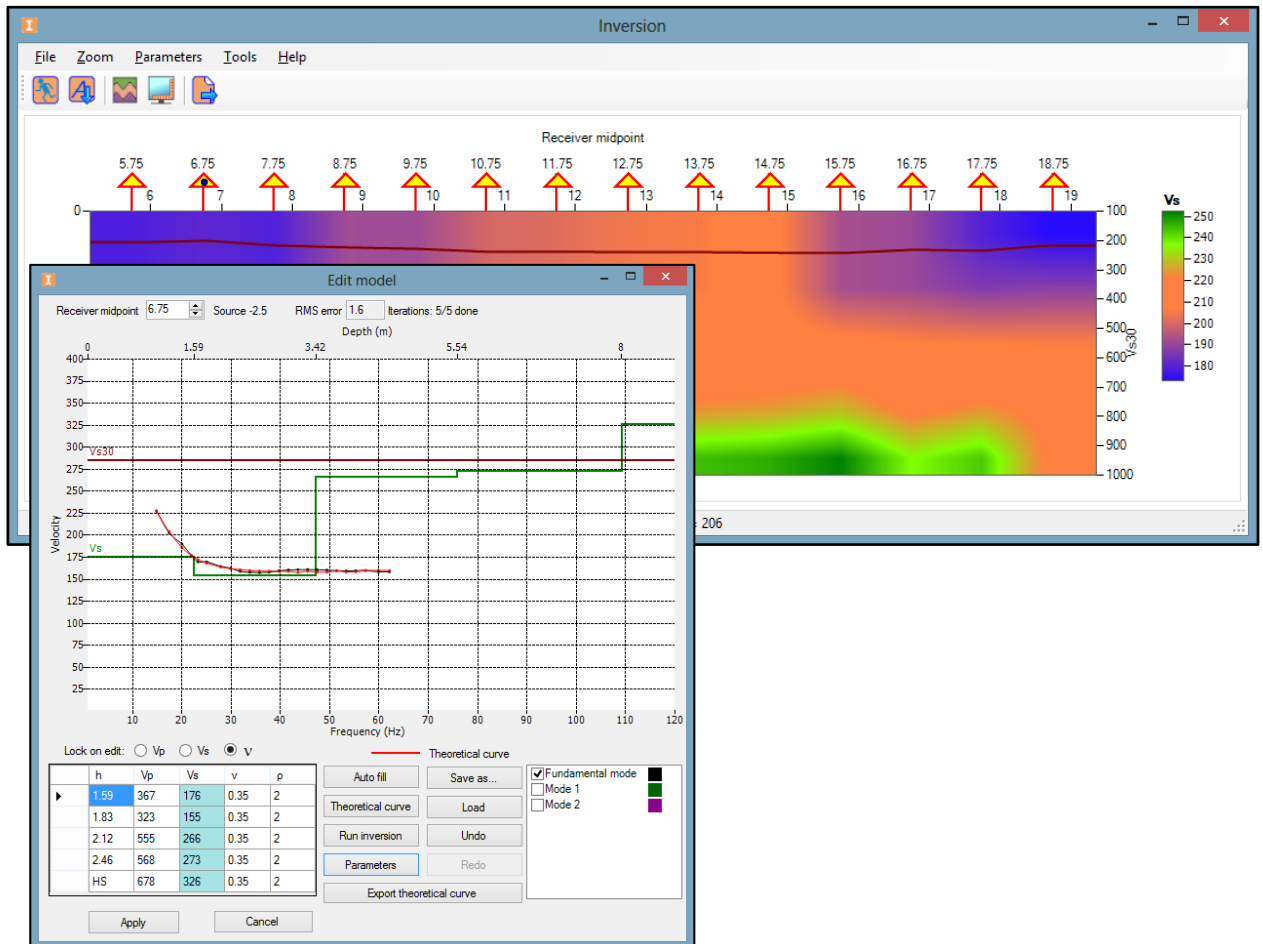
- A simple module **Add event** was added, inserting a dipping straight event of specified amplitude to the seismogram for modeling purposes.
- A new module called **Gas Hydrate Stability Zone** can calculate theoretical bottom of the methane hydrate stability zone, basing on a seafloor pick converted into meters, seafloor temperature, water and sediment densities, and thermal gradient. Either lythostatic or hydrostatic model of pressure distribution below the seafloor can be chosen.

- A number of minor bug were fixed.

As usual, we encourage our customers with active maintenance to contact us at support@radexpro.ru and receive the update free.