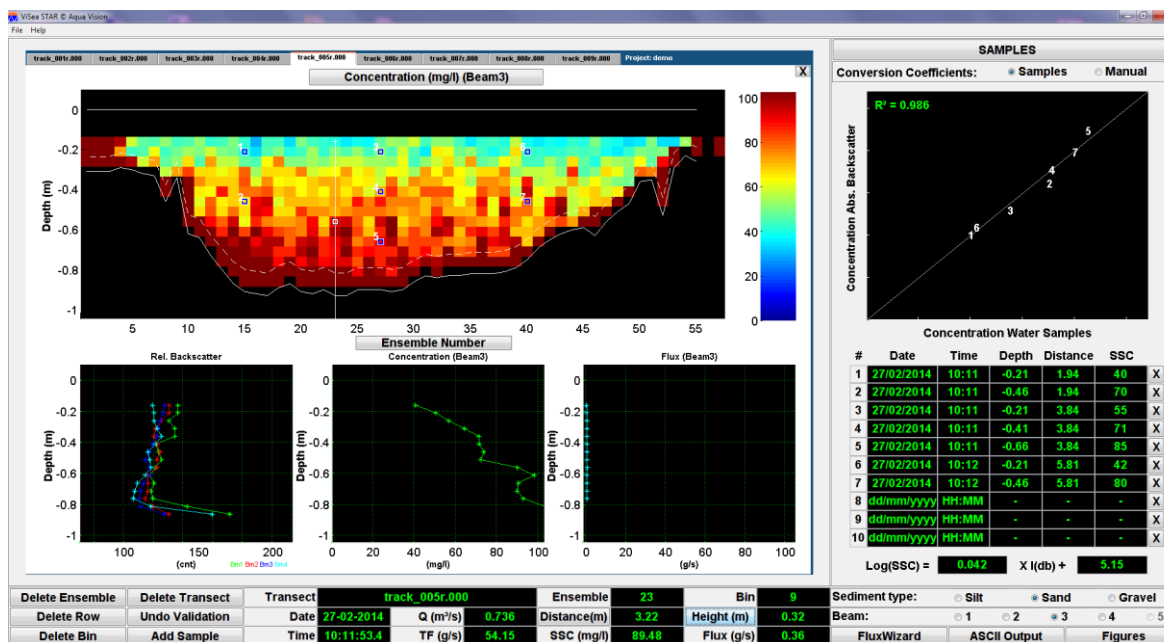


# ViSea STAR

## Sediment Transport Analysis Routine

ViSea STAR enables you to measure sediment concentration and transport from ADCP measurements.



Suspended sediment concentration (SSC mg/l) as calculated from ADCP measurements.

### Post-process sediment concentrations

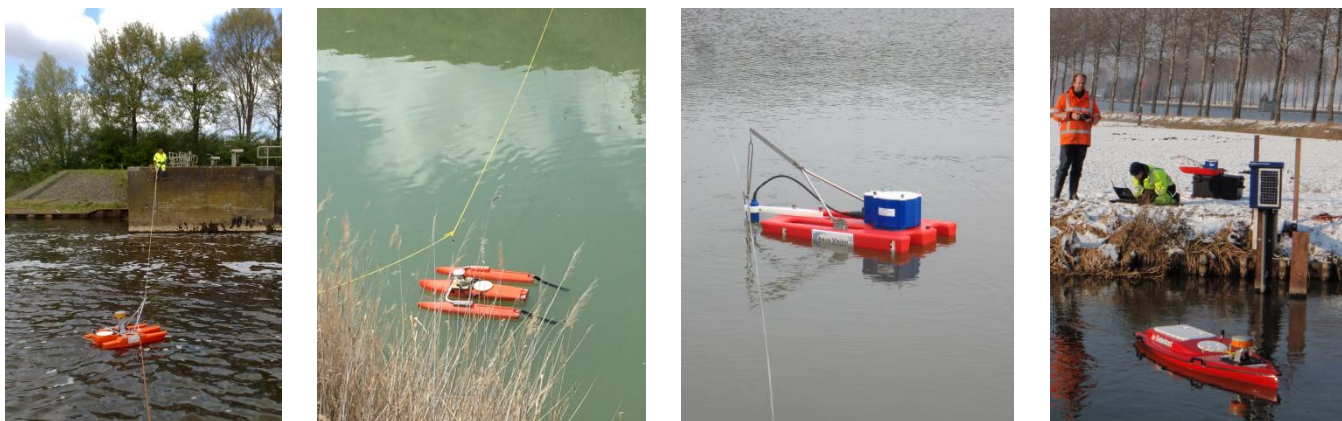
ViSea STAR calculates suspended sediment concentrations and fluxes by post-processing ADCP data in combination with suspended sediment concentrations from water samples.

### Stand-alone application

ViSea STAR works as a stand-alone application. It doesn't require any other software, and the ADCP data can be collected by either WinRiverI&II software (Teledyne RDI) or ViSea DAS software.

### Ease of use

ViSea STAR makes it easy to load multiple transects, enter and edit water samples, choose parameters, validate data, and generate output, all from the same screen.



*ViSea STAR can use any kind of ADCP measurement to compute sediment concentrations.*

## Features

- **ViSea STAR** converts ADCP backscatter to **Suspended Sediment Concentration** (SSC in mg/l).
- **ViSea STAR** calculates **sediment fluxes** and presents these fluxes in a two-dimensional view.
- **ViSea STAR** can be applied to data collected by WinRiver as well as ViSea software.
- **ViSea STAR** automatically calculates correlation between ADCP and Water samples.
- **ViSea STAR** calculates sediment attenuation using an iterative calculation procedure.
- **ViSea STAR** is centered around a single screen, giving the user all the information and control that is needed.
- **ViSea STAR** makes it easy to enter and edit water samples and choose parameters such as grain size distribution.
- **ViSea STAR** can generate **Figures, ASCII files, and PDF Summaries** with a click of a button.
- **ViSea STAR** facilitates fast playback and post processing, using a project based approach.