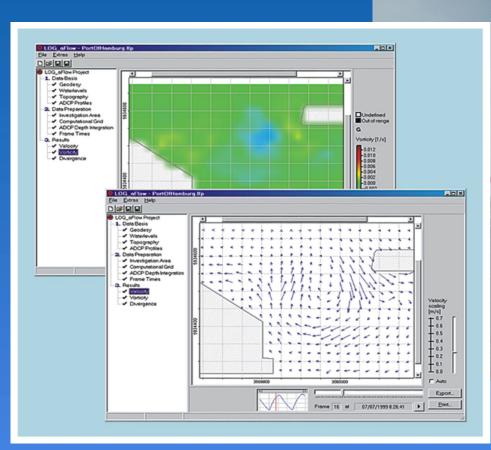


# LOG\_aFlow The only way to get real flow charts





General Acoustics e.K.

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Info@generalacoustics.com



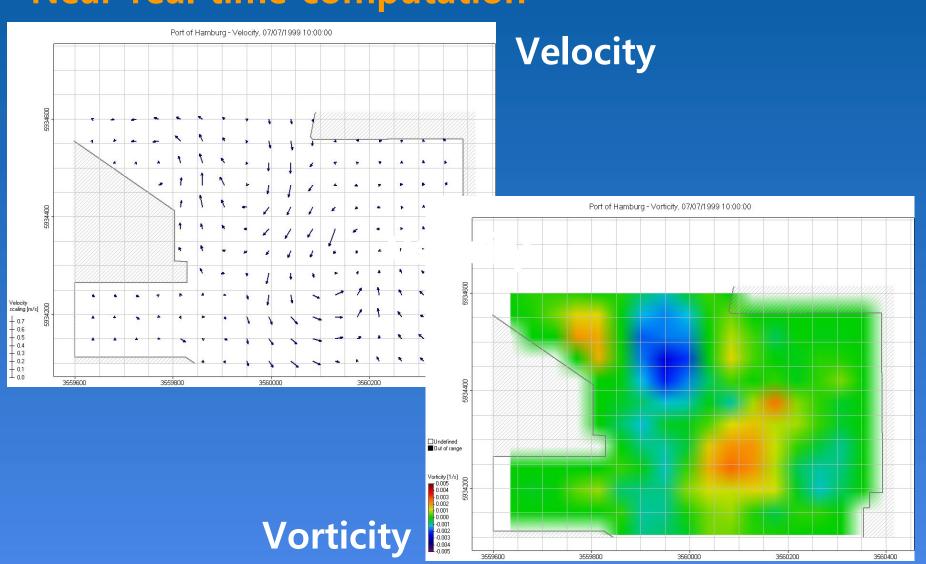
 LOG\_aFlow is a sophisticated ADCP data evaluation software for hydrodynamics analysis

 LOG\_aFlow evaluates the measurement data quality and creates flow charts that contain up to 5 times higher data point density compared to the original ADCP data, with information in-between survey tracks and in-between survey runs



#### ACOUSTICS

# Near-real time computation





# Hydrodynamic results in 3 steps

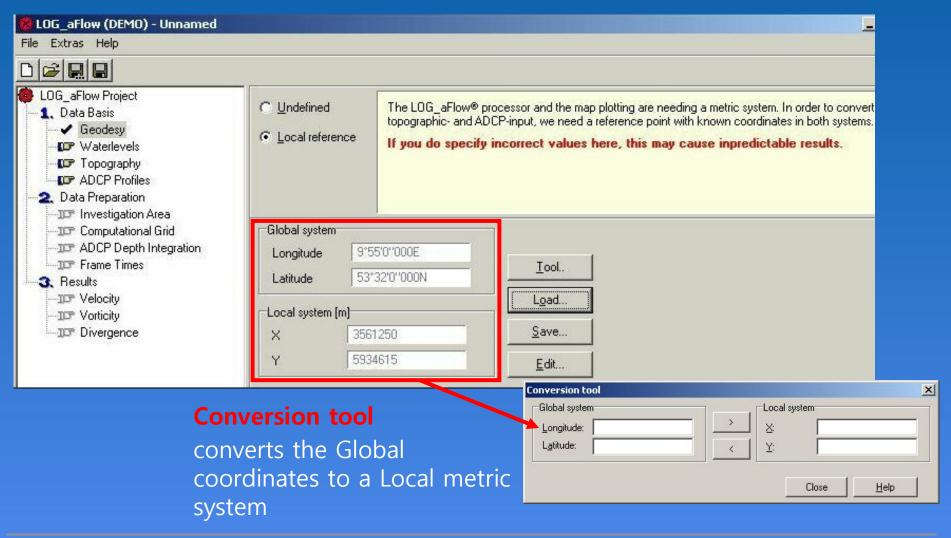
- Database
- Data preparation
- Run







A reference point with known coordinates in both systems (Global and Local) is required.



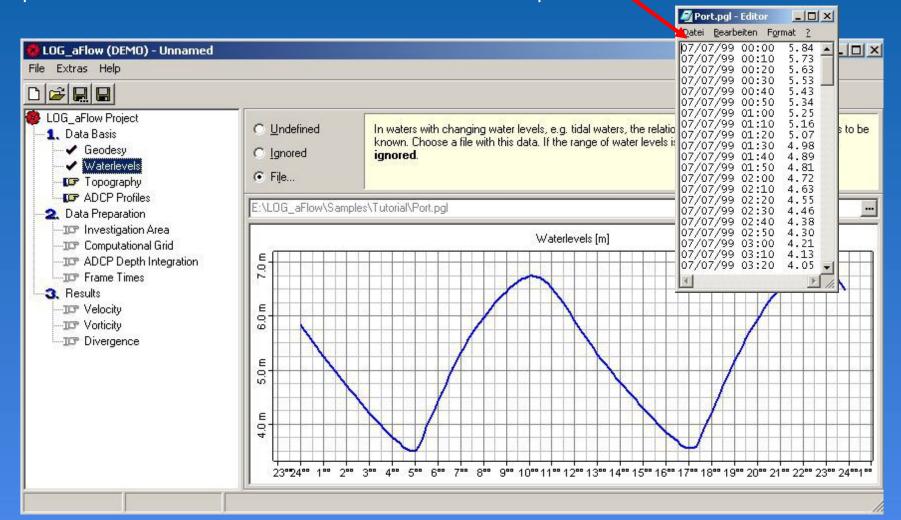




**ACOUSTICS** 

Water level time series are not necessary for processing, but helpful.

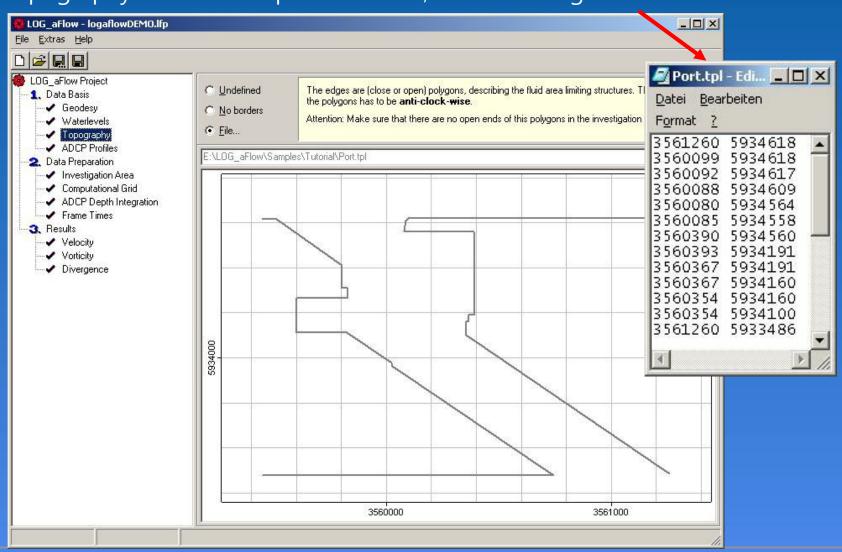
Simple ASCII files water level time series can be imported:







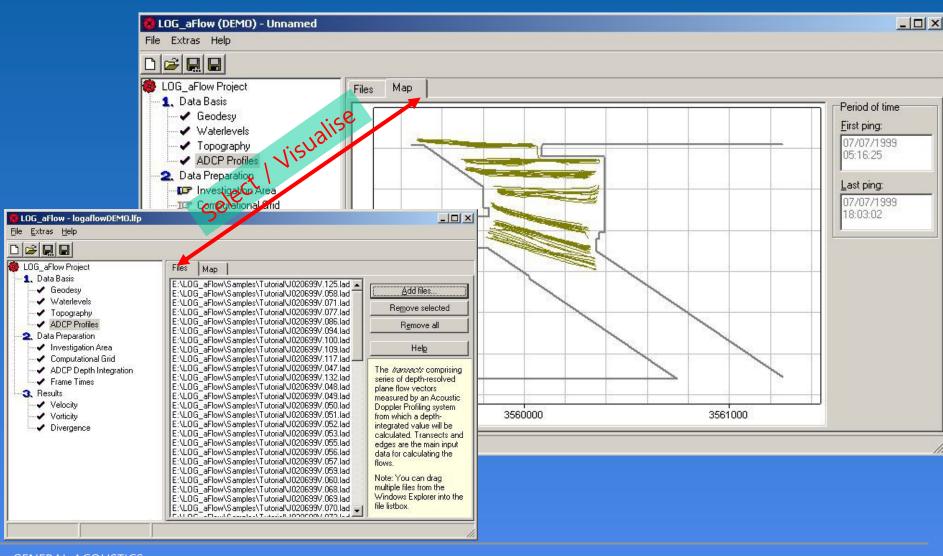
Topography data are simple ASCII files, that can be generated with a text editor:







...and the measurement tracks can be imported as files.



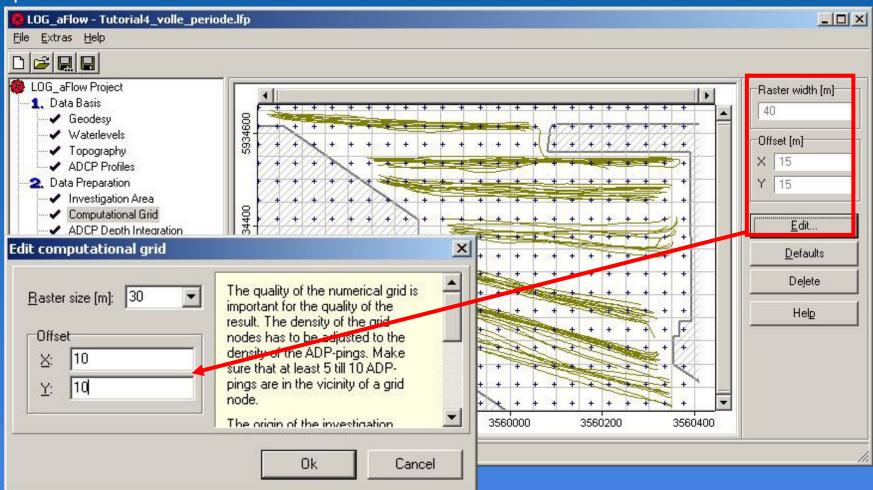


#### Prepare the process ...





The grid spacing determines where hydrodynamic results are computed.



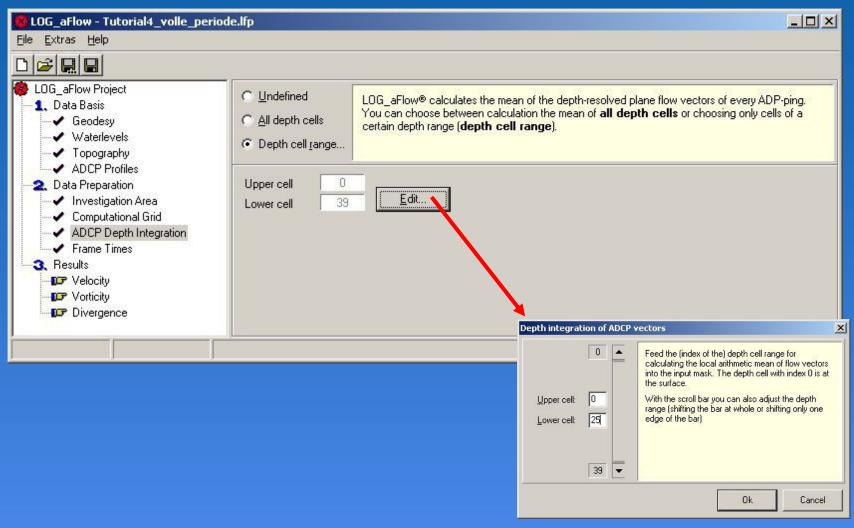


#### Prepare the process ...





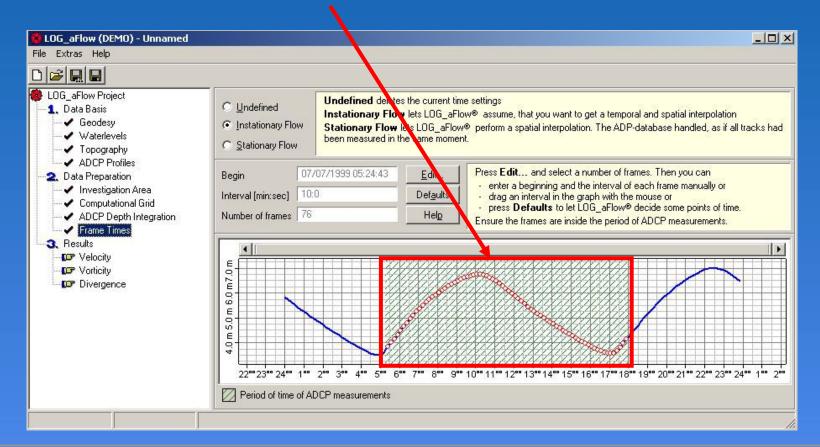
The depth integration can be carried out on the whole depth or part of it...





The computation time can be defined from the available measurement range

The shadowed area shows the measurement times



**Velocity** 

**ACOUSTICS** 

...and get results

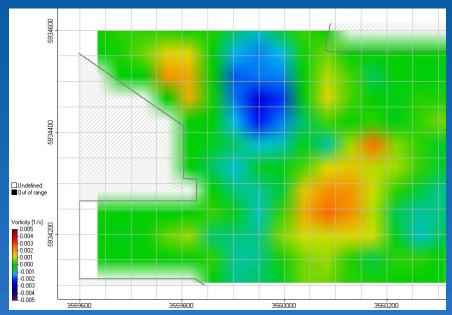
This is the DEMO version, where the LOG\_aFlow-processor is not available. The licensed version would now call the LOG\_aFlow-processor to evaluate the results. In Order to have a look on such results, please open a sample project and select one of the result nodes.

Process

Results are exportable as bitmaps, AVI-films and text files

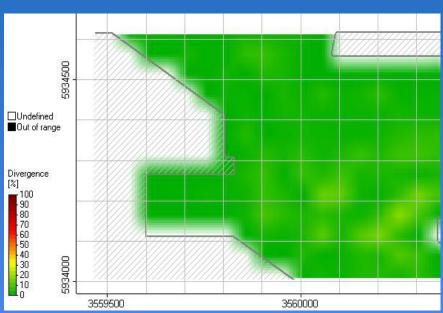
**GENERAL ACOUSTICS** 





**Vorticity** (Eddy current)

**Divergence** (Quality check)





# LOG\_aFlow



#### **Your ADCP booster**





With the discharge module the volumetric flow of a given domain can be calculated in three steps:

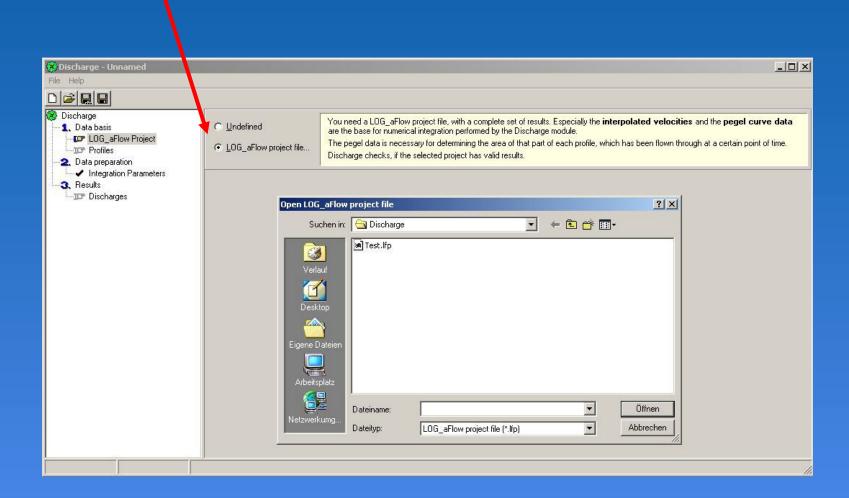
- Database
- Data preparation
- 3 Run







A given LOG\_aFlow project file must be specified...

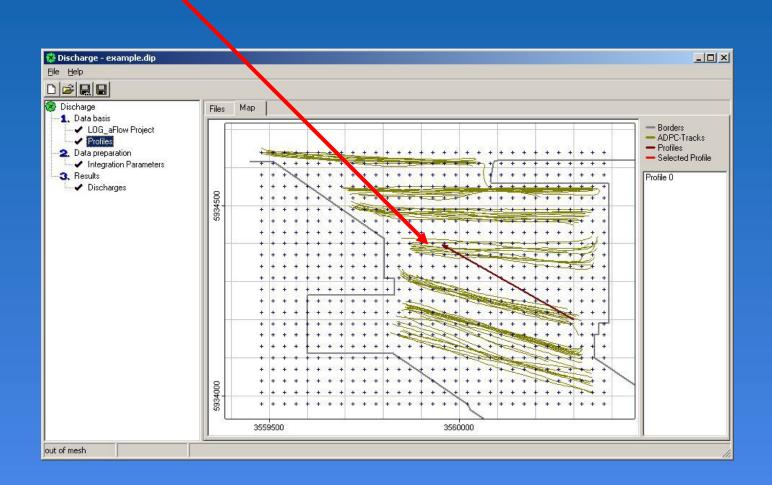








...and the profiles selected:



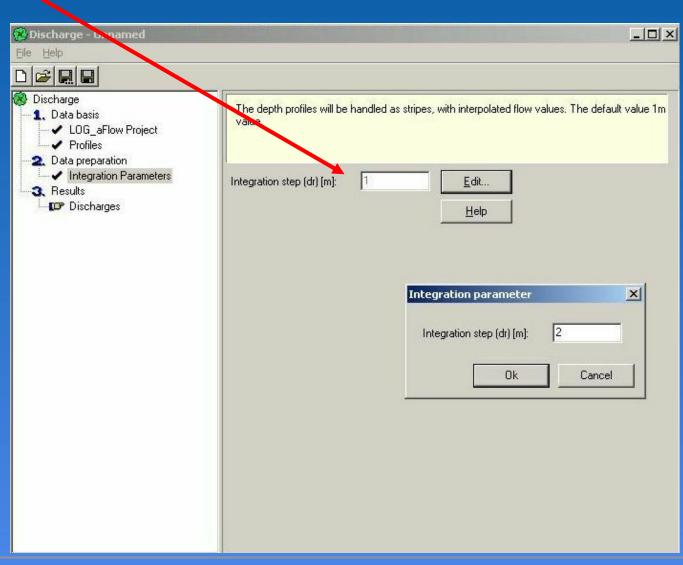


# Prepare the process ...





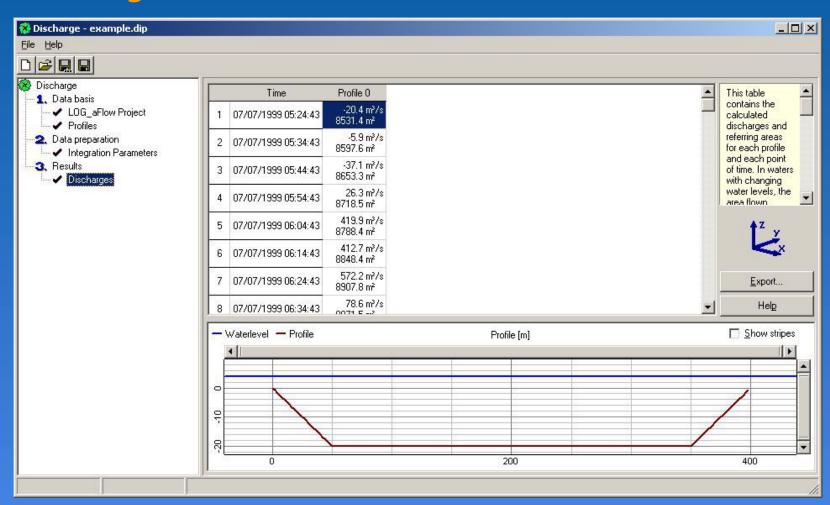
Define the width of the strips used in the integration process:







#### ...and get results



Results can be exported as text files



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