ASSISTANCE
IN A TOOLBOX

SMHI

Bäck Örjan
Johansson Johannes
Wenzer Magnus
Fyrberg Lotta

After more than 100 years of conducting marine environmental monitoring and handling the data it produces, SMHI have vast experience and deep knowledge in how to manage and present data. Here, we present solutions to assess, analyze and display marine biological, physical and chemical data in toolboxes. All systems are open source, easy to use and free for everyone.

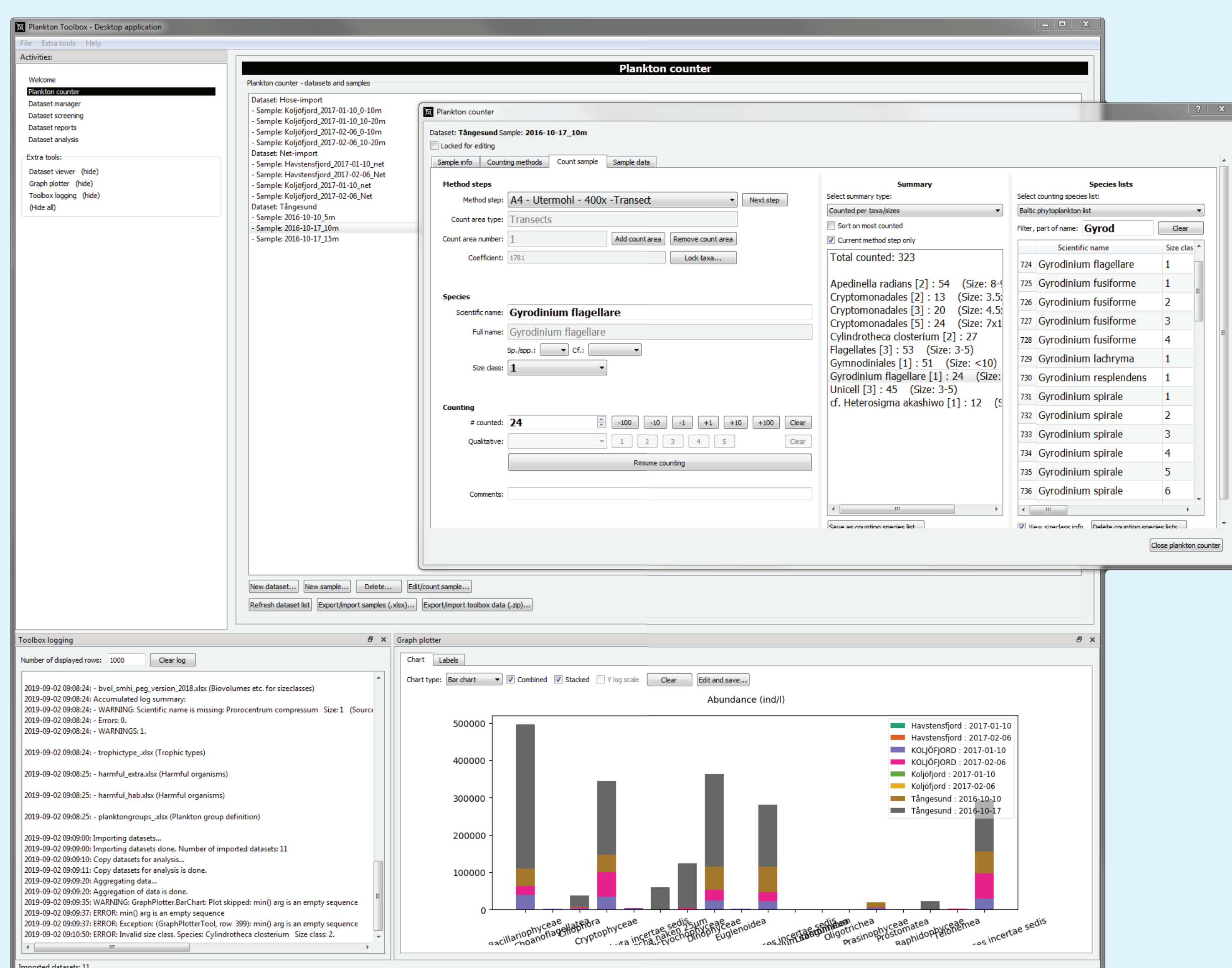*"Quality, Consistency & Results with a few clicks on a button"*

PLANKTONtoolbox
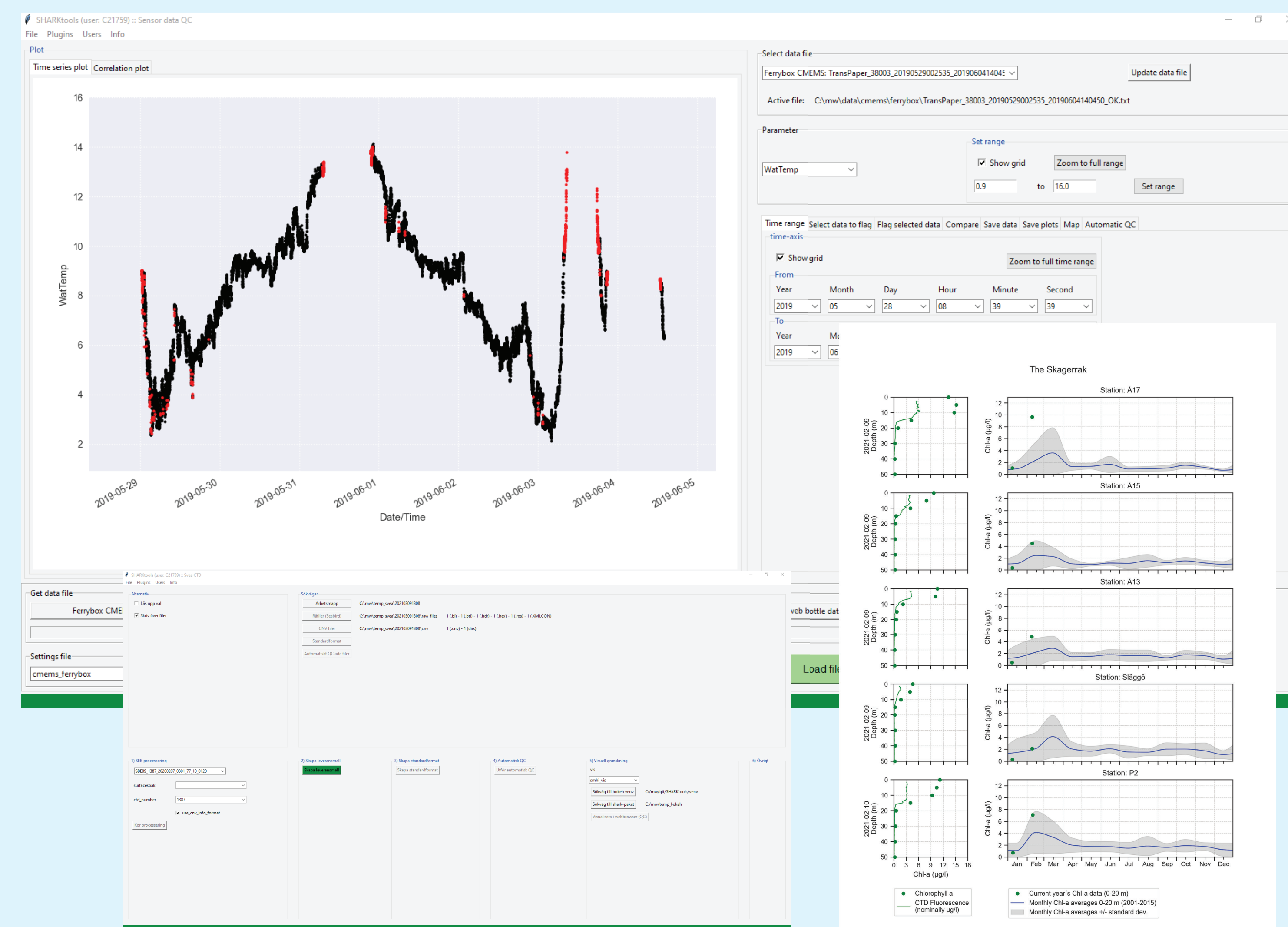For aiding counting and processing of plankton samples

SHARKtools
For quality control of cruise, ferrybox and fixed platform data

PLANKTONtoolbox* provide management of plankton data e.g.
- Counting of plankton samples coupled with microscopy
- Biovolume calculations of plankton samples
- Visualization and quality control of plankton data
- File export of data for reports and national data archive

https://github.com/planktontoolbox/plankton-toolbox

SHARKtools provide a simple customization of plugins, e.g.
- Quality control of sensor data
- Create visualizations for monitoring reports
- Visualization of CTD data at sea
- Merge CO_2 data with ferrybox data

https://github.com/sharksmhi/SHARKtools