



STRUCTURAL
BIOLOGY

Volume 73 (2017)

Supporting information for article:

FlexED8: the first member of a fast and flexible sample changer family for macromolecular crystallography

Gergely Papp, Franck Felisaz, Clement Sorez, Marcos Lopez-Marrero, Robert Janocha, Babu Manjasetty, Alexandre Gobbo, Hassan Belrhali, Matthew W. Bowler and Florent Cipriani

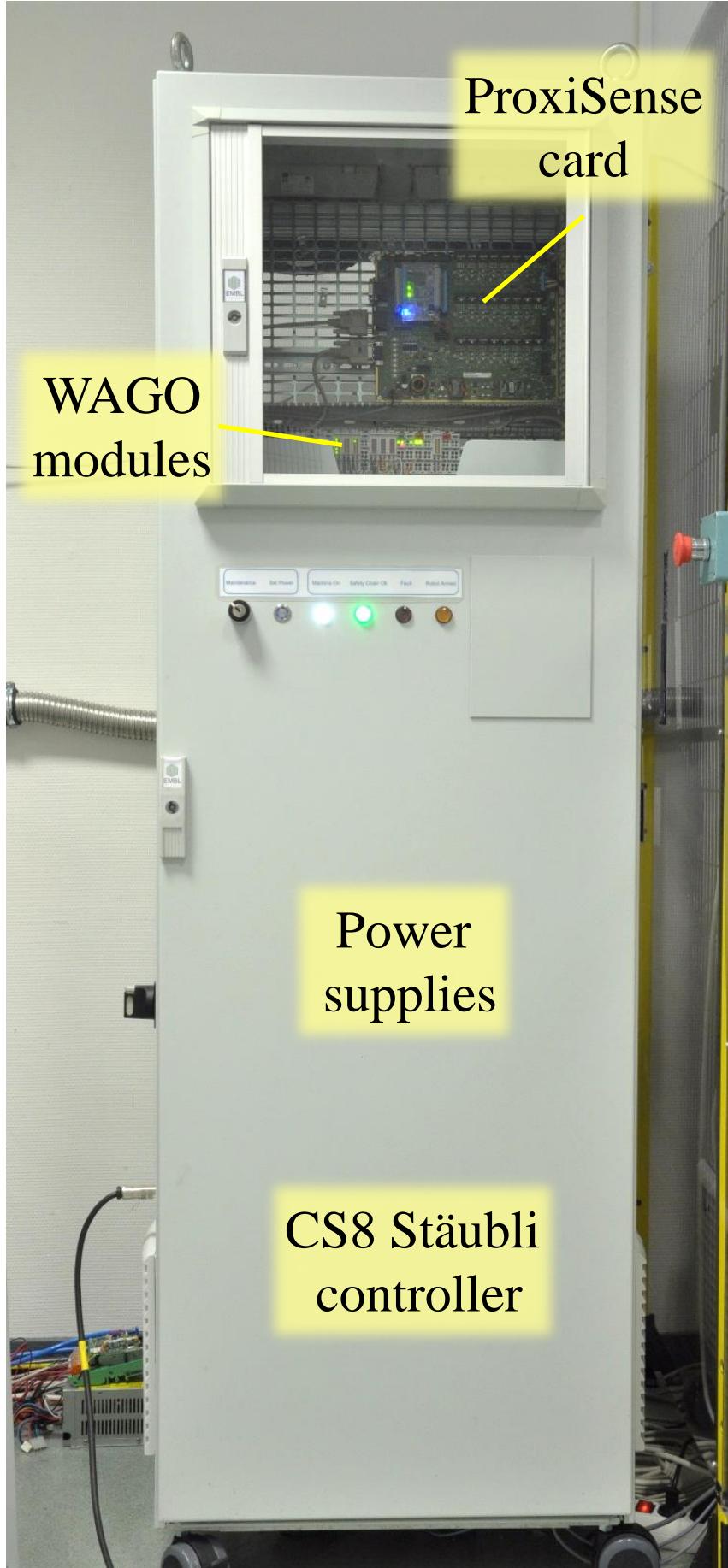


Figure S1. FlexED8 control cabinet that contains, visible through the front window, the ProxiSense card and the WAGO modules , and underneath the power supplies and CS8 Stäubli controller



Figure S2. SPINE/SPINEplus double gripper

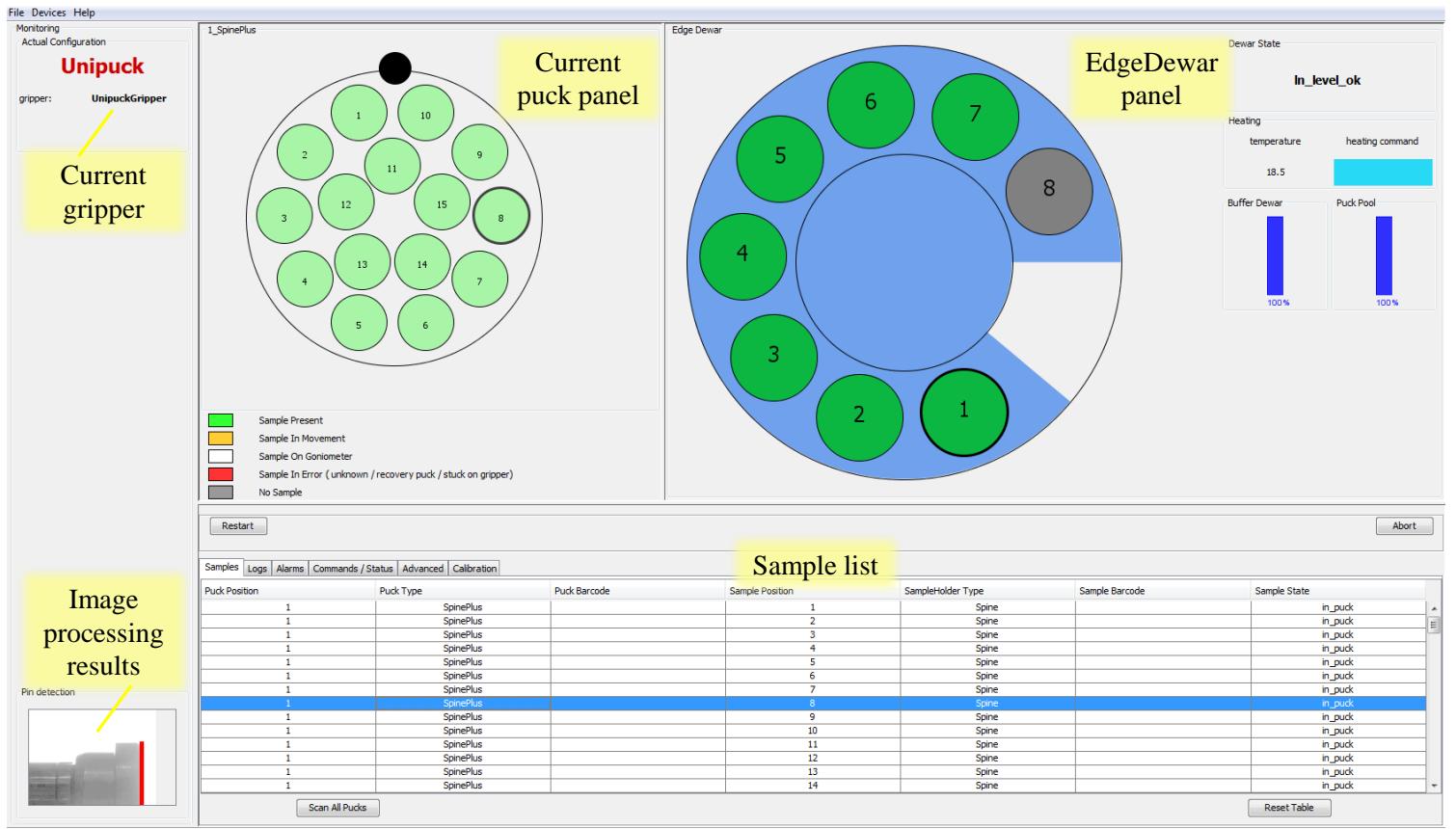


Figure S3. FlexED8 Graphical user interface: Sample transfer mode with 7 pucks loaded in the Dewar.

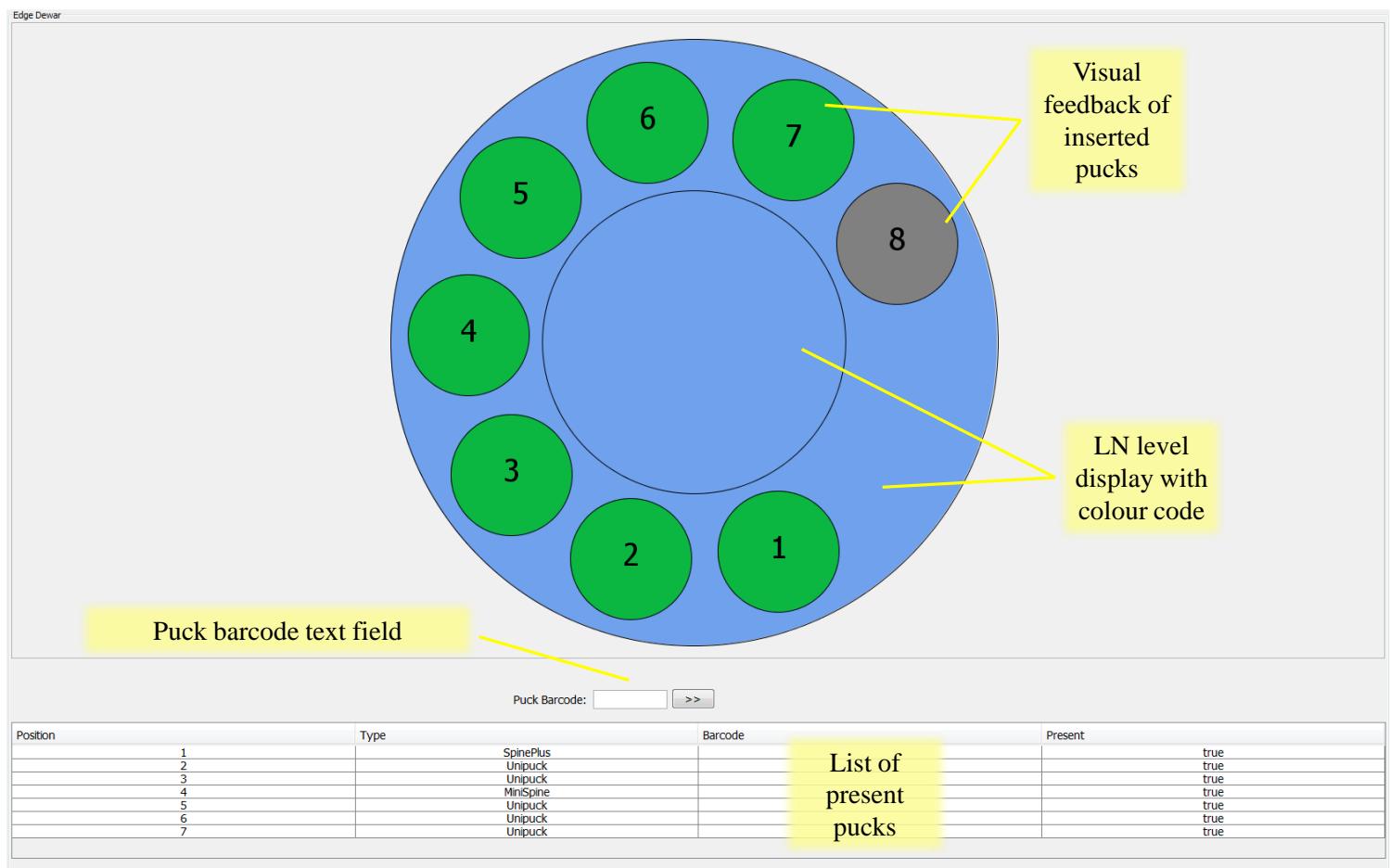


Figure S4. FlexED8 Graphical user interface: Dewar loading mode with 7 pucks loaded in the Dewar

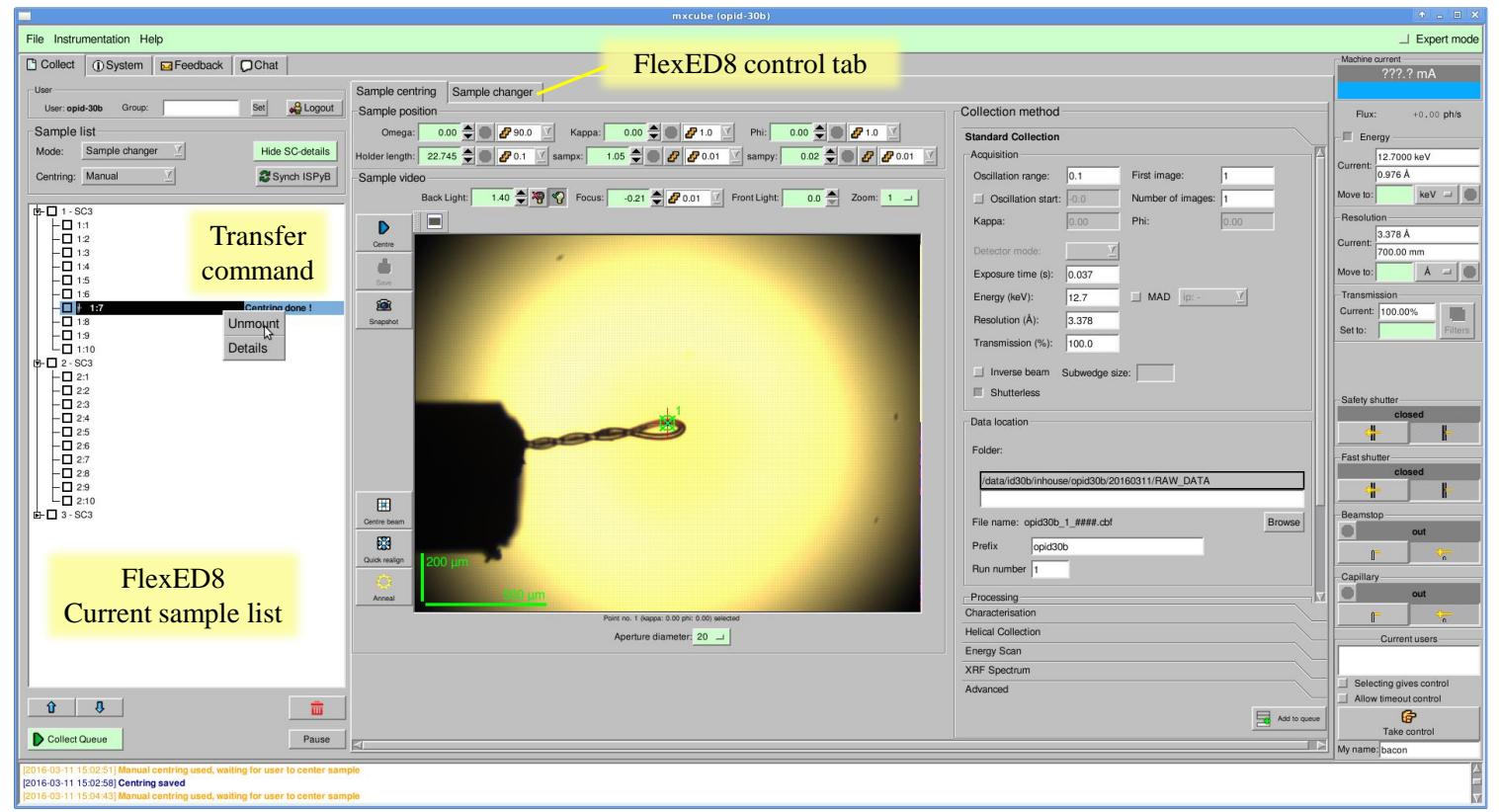
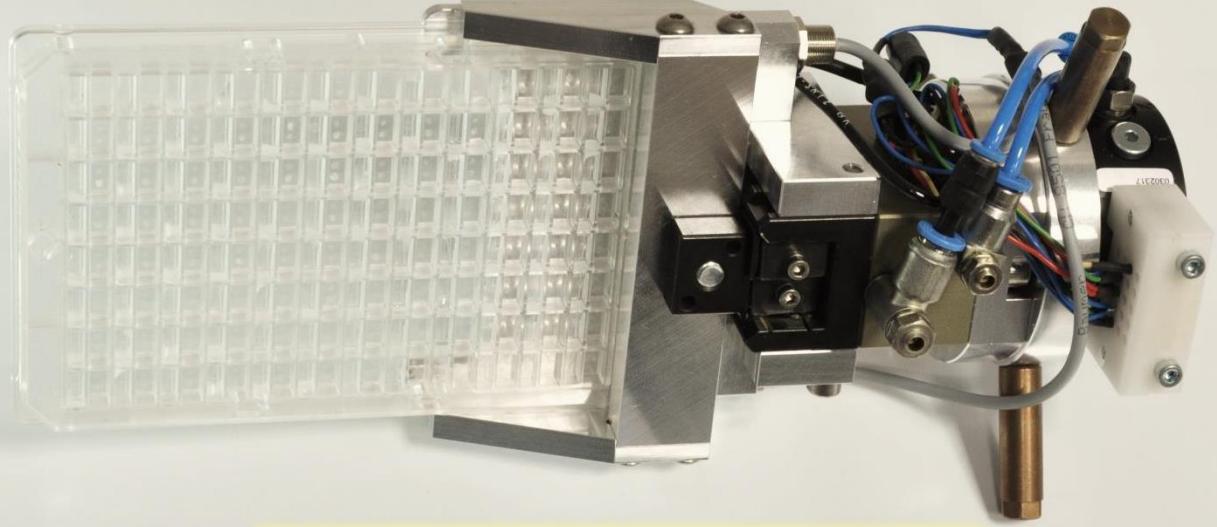
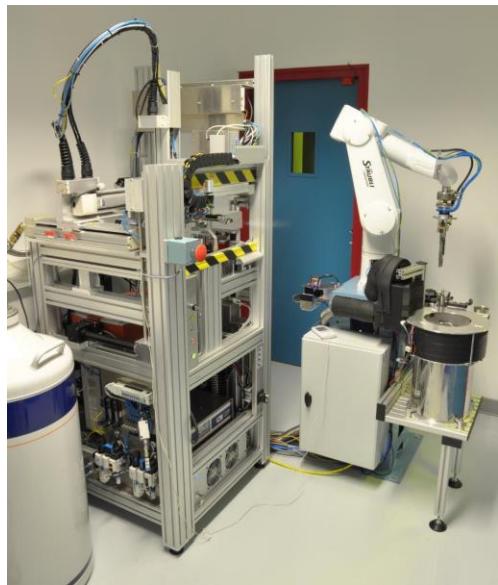


Figure S5. MXCuBE graphical user interface: Data collection tab, with on the left the generic sample changer control pane that directly controls the FlexED8 sample changer



Gripper for SBS crystallization plate

Figure S6. Gripper for SBS crystallization plate



FlexED3
Cryo-storage unit



FlexED8
sample changer



FlexHCD
Sample Changer

Figure S7. Flex robotics family members

Nitrogen gas

Off = fill pump

On = fill sample vessel

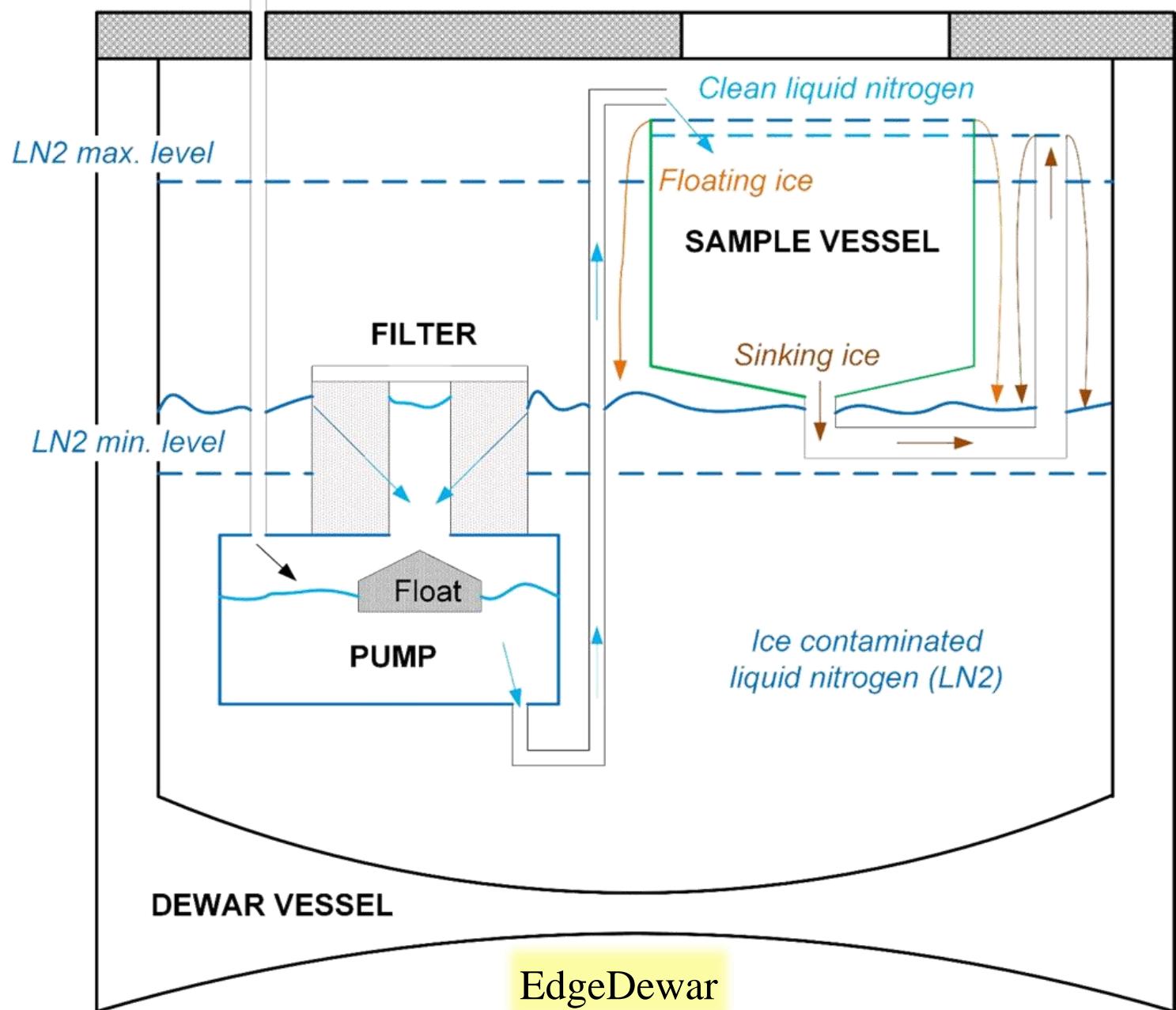


Figure S8. Principle of the EdgeDewar