Tovi, New Software for Flux Data Analysis: from Gap Filling to Flux & Footprint Partitioning

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How does it work?

Scientifically sound and programmatically robust software allows seamless data retrieval, quality control, analysis, and workflow documentation.

What can it do?

• Automates multiple time-intensive procedures and handles large datasets
• Does automated search of 14,000+ weather stations for gap-filling
• Automatically generates reproducible workflows and lists of references
• Facilitates use of proven analytical tools and cross-domain collaborations

Data and analysis platform

Driven and guided by the Research Community; developed, implemented & supported by LI-COR.

Research Community provides scientific competence, methods and codes, and outlines the needed tools.

LI-COR provides software engineering, solid implementation, easy-to-use GUI, documentation, trainings, support, and continuous development: www.tovi.io

Example of one of many available tools

Data from over 2000 past and present EC locations can be analyzed and reanalyzed

Footprint tool allows selecting multiple discontinuous perimeters to apportion flux