



SSHADE Users Newsletter

New tool addition: spectral transforms

October 2026

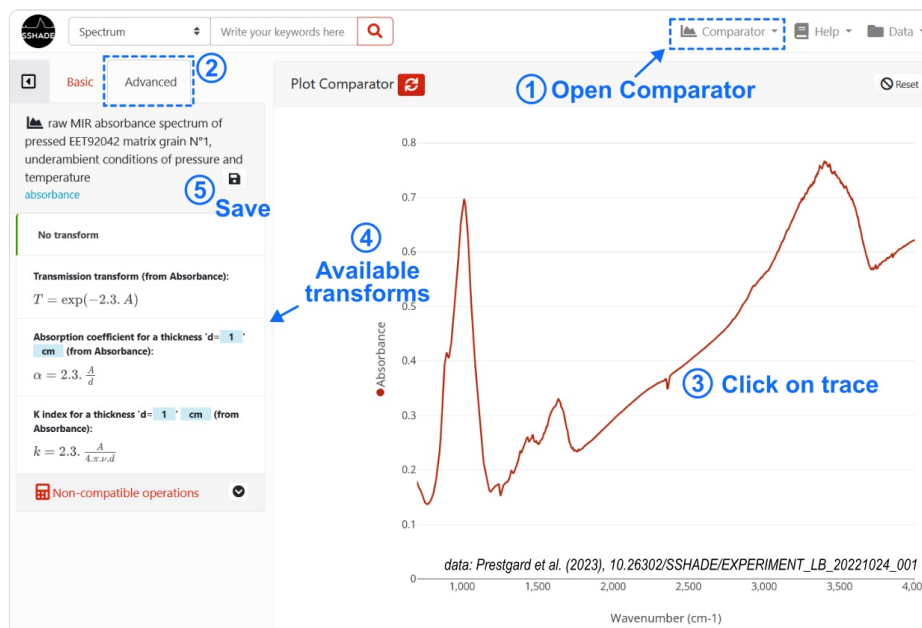
Dear SSHADE user,

We are happy to introduce our new feature: **Spectral Transforms**, as part of our Comparator tool.

The **Comparator**, released last year, allows to dynamically plot spectra from various SSHADE datasets as well as your own private spectra (which can be managed in your **Dashboard** under "Spectrum Import" and "My Spectra").

In the new "Advanced" tab of the Comparator, you will now find options to convert spectral data between absorbance, transmittance, absorption coefficient and extinction coefficient k .

How does it work?



- Add a spectrum to your Comparator using the **+** button and open the Comparator from the top menu (a tutorial on the Comparator is available [here](#)).
- Click on a spectrum: available transforms are now listed in the "Advanced" tab.
 - ⚠ *Not all transforms are compatible with every spectral type (e.g., reflectance → transmission): they are listed under "Non-compatible operations".*
- When working from extinction or absorption coefficients to simulate a transmission spectrum, you should specify the thickness to be used.
- You can perform several transforms in sequence, with the list of the compatible operations being updated.

- You can also reset all your transforms using the "Reset" button.

To export your converted spectrum, simply hit the save button and enter a new title and filename. It will be saved in your private **Dashboard** under "My Spectra", along with some metadata (original spectrum, conversions, operations used for the conversion and their parameters, ...). Once saved, it can be visualized in the Comparator, and exported like any other SSHADE spectrum using the export button.

Have fun with SSHADE data!

The SSHADE team

▢ **Behind the tools:** A huge thank to **Etienne Dode**, who developed the Comparator tools, to **Bernard Schmitt** and **Lucia Mandon**, who helped with design and test, to **Damien Albert**, our head engineer, for continuous interface improvement and for keeping the SSHADE platform running smoothly, and to **Lydie Bonal**, head of SSHADE, for coordinating the service.

All previous user newsletters are stored in the dedicated **News** page of **the SSHADE wiki**.

You are receiving this SSHADE User Newsletter because you are a registered user of **SSHADE**. If you do not wish to receive them, please send an e-mail to our contact address (contact@sshade.eu) with the subject "unsubscribe User Newsletter".