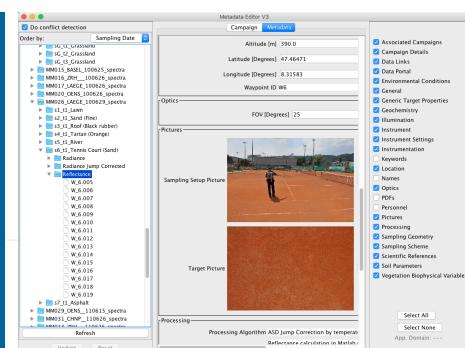


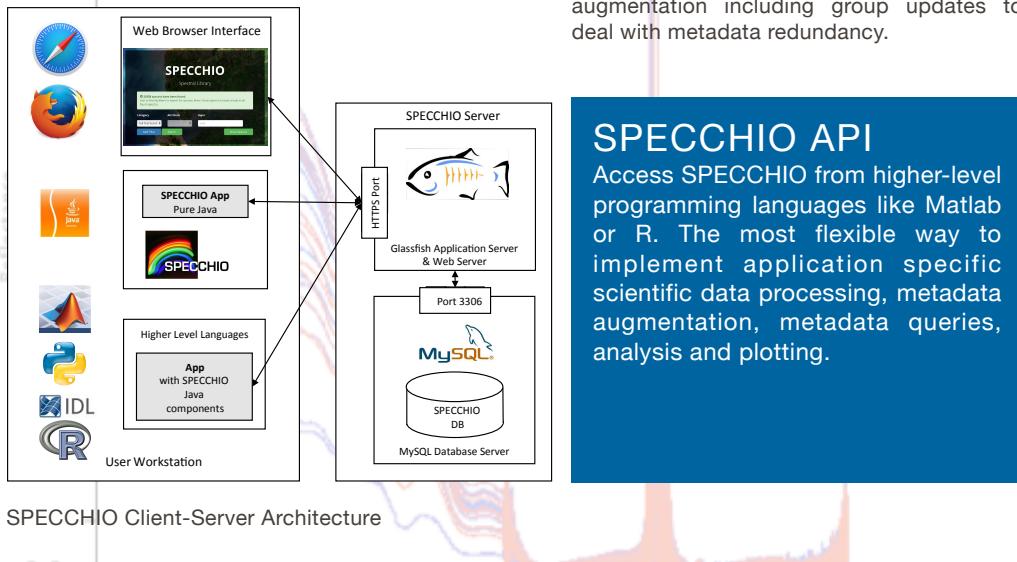
## SPECCHIO ONLINE

RSL maintains an online version of the SPECCHIO database. Interested researchers can acquire a database account for testing and data sharing purposes.

Visit <https://specchio.ch> to download the SPECCHIO Java application or search by using the SPECCHIO web browser interface.



Metadata Editor for optimised metadata augmentation including group updates to deal with metadata redundancy.



## SPECCHIO VIRTUAL MACHINE

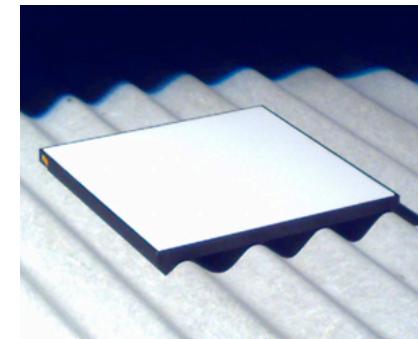
Get full control over a SPECCHIO server instance with negligible installation effort by downloading the SPECCHIO virtual machine from <https://specchio.ch/downloads/>

[WWW.SPECCHIO.CH](http://WWW.SPECCHIO.CH)

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ahueni@geo.uzh.ch



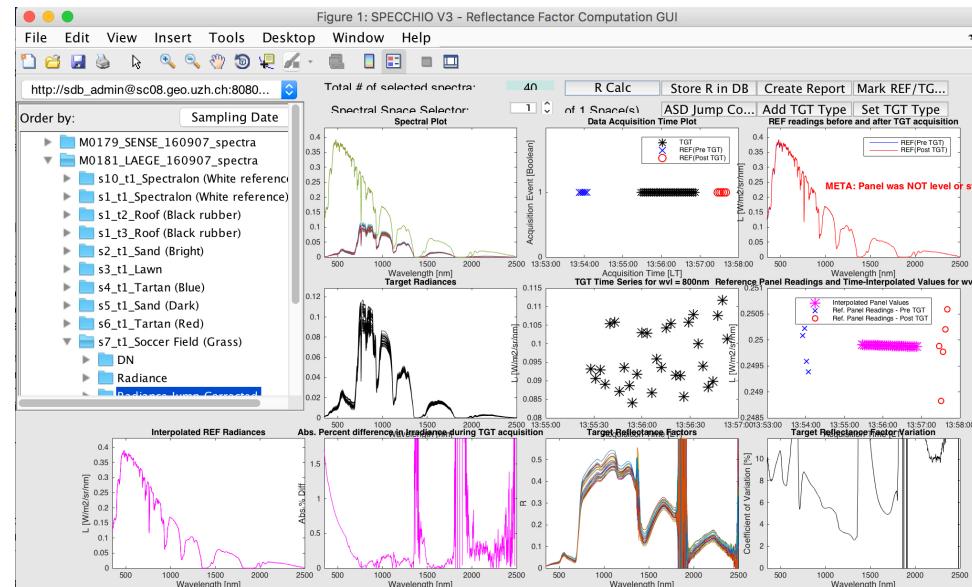
## Spectral Information System



A free, multi-user and platform independent solution for the management of spectral data.

## COMPREHENSIVE METADATA MODEL

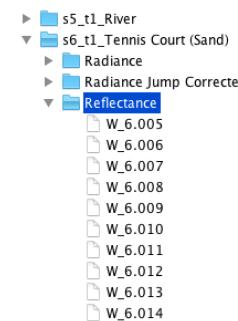
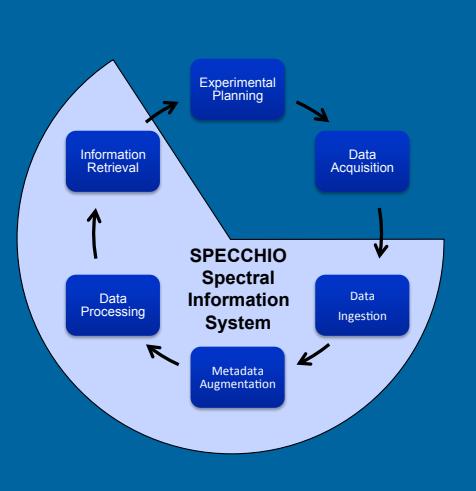
The SPECCHIO system supports a rich metadata set, which describes the acquired spectral data in detail and enables long-term data usage and shareability. SPECCHIO administrators can easily expand the standard metadata attributes due to a dynamic Entity-Attribute-Value storage approach.



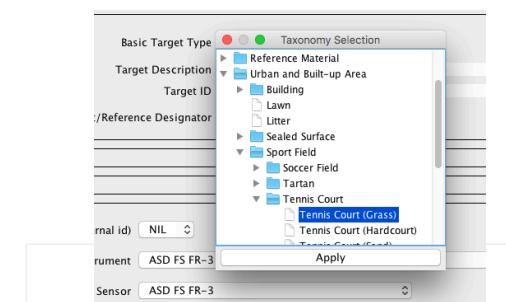
Matlab interface example for interactive reflectance calculation using a direct connection to a SPECCHIO server.

## SPECTROSCOPY LIFECYCLE SUPPORT

The SPECCHIO system supports the management of spectral data throughout the lifecycle, starting with intelligent data ingestion supporting delta loading and metadata redundancy reduction. Powerful metadata editing and processing tools minimise the metadata entry time. Spectral data can be processed and reinserted into the database, keeping all metadata of the input set. Spectral data can be retrieved by metadata space queries and analysed in your favourite programming environment like Matlab or R.



Define your sampling geometry, supported by built-in sun angle and measurement support calculation. See range indications where spectra have differing metaparameter values.



Select meta parameter values from fixed vocabularies due to taxonomy support.

## ADVANTAGES

Enter, edit, select, process and export your spectral data and associated metadata using the intuitive SPECCHIO graphical user interfaces.

Minimise your data administration time by automated extraction of metadata from spectral files, directory structures and Excel files.

Get to know your data through interactive data exploration tools.

Access your spectral data from higher level programming languages using the SPECCHIO API and get science done.

Easily manage your data from different instruments.

Spend your research time analysing data instead of trying to find it on your file system.

"Data are unstructured facts and figures. When they have been organised or processed, they become information"

- ORGANISE YOUR SPECTRAL DATA