

EELS Data Base

Inner & Outer Shell Excitation Spectrum Repository



Universidad
Zaragoza

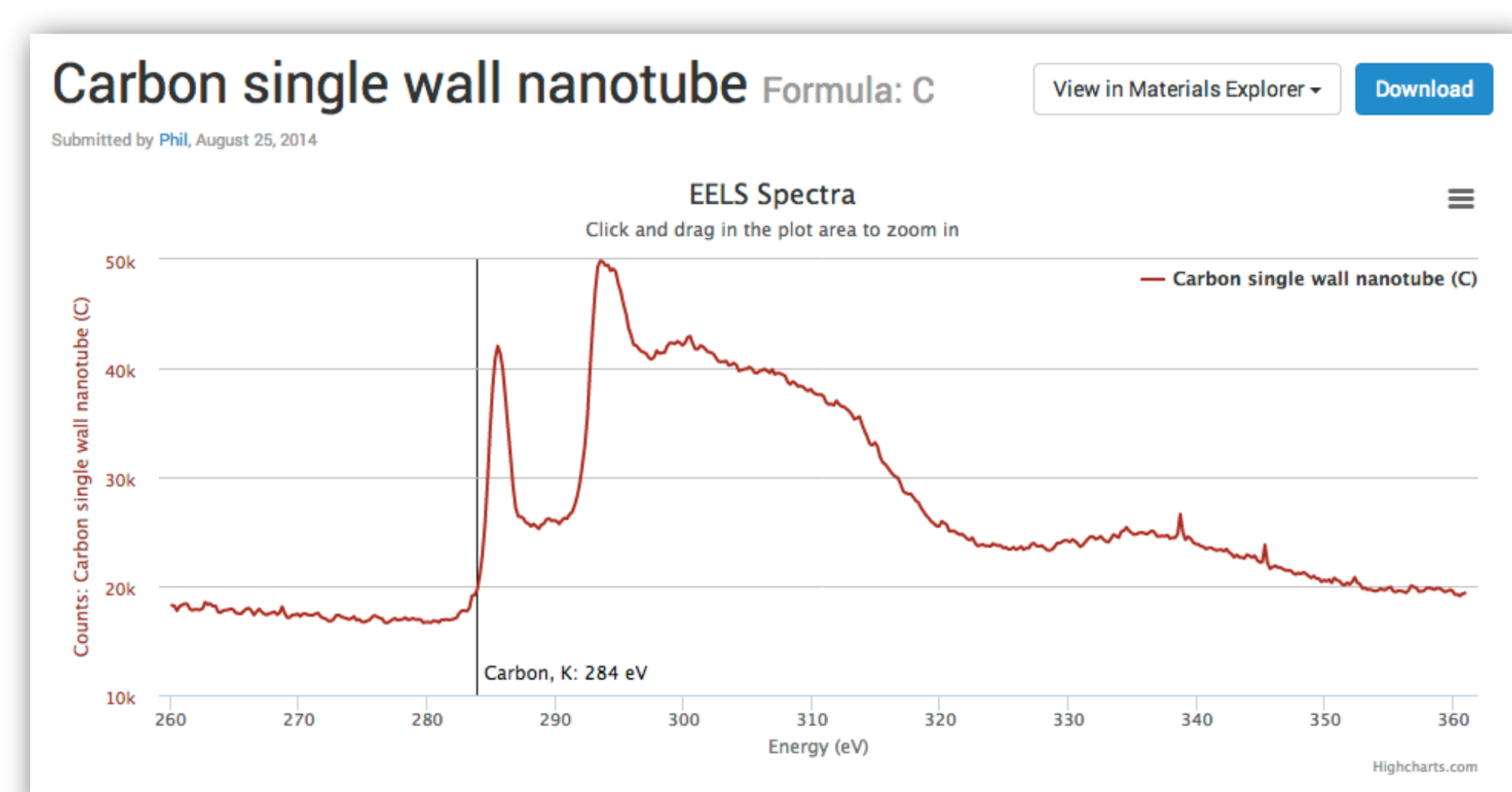
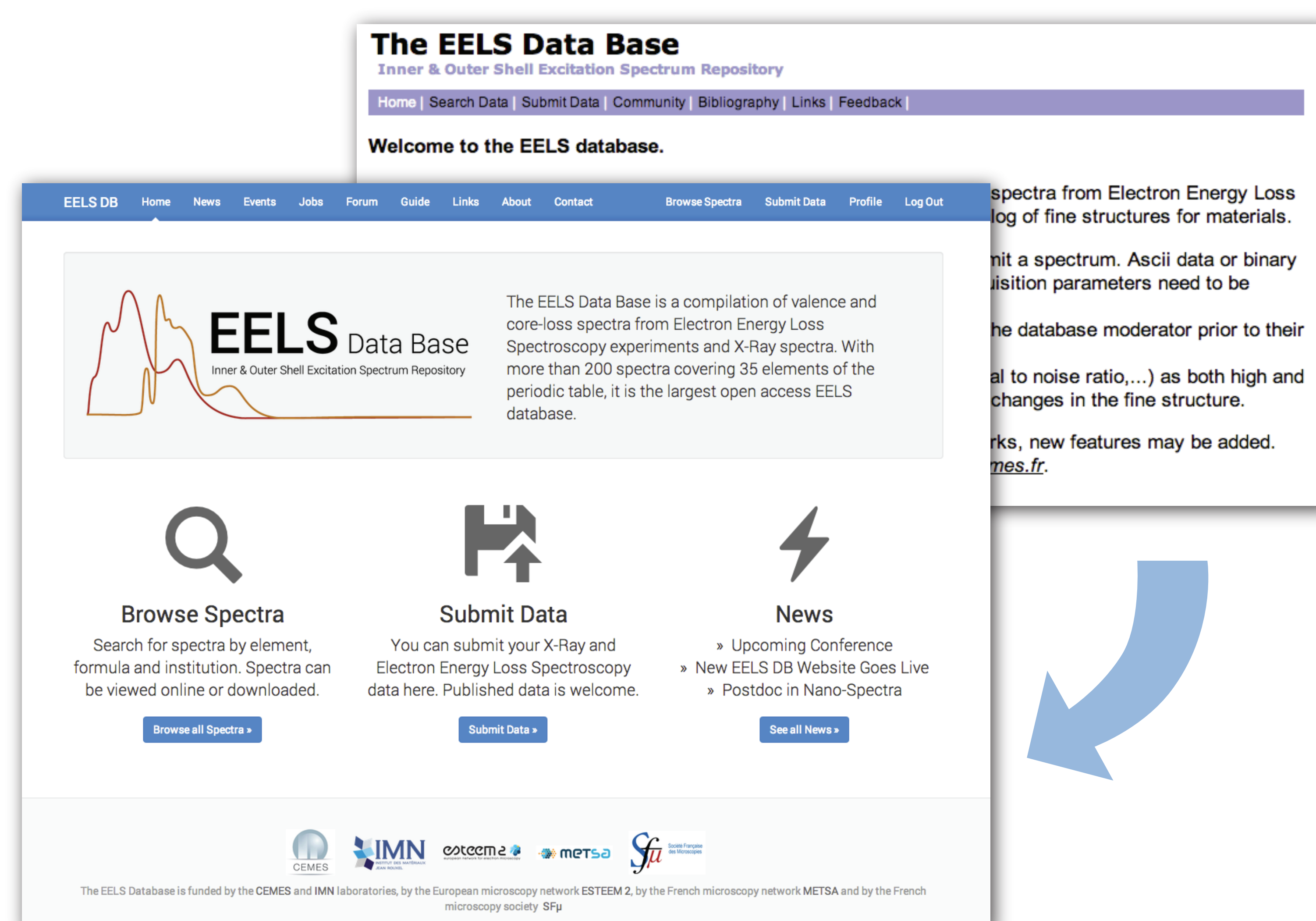
A Complete Overhaul of the Electron Energy-Loss Spectroscopy and X-Ray Absorption Spectroscopy Database: eelsdb.eu

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The EELS database is the largest open-access electronic repository of spectra from Electron Energy-Loss Spectroscopy and X-ray Absorption Spectroscopy. The database is now a common tool used by spectroscopists, theoreticians, students and private firms and has been referenced by more than 30 papers. We have performed a major update of the website, soon to be accessible at <http://eelsdb.eu/>

- Updated style and design
- New interactive spectrum plots
- Better references with linked DOIs
- Streamlined submission process
- API access to database and spectra
- News, forum and job postings

It is hoped that these changes will improve the user experience on the site and increase the number of spectra uploads.



Interactive spectra

Spectra are now interactive and zoomable. Edges are labelled and multiple spectra can be overlaid for comparison. Data can be downloaded for use in your software (HyperSpy, DigitalMicrograph, MATLAB).

Open Access

Many grant applications such as Horizon 2020 require researchers to specify how they will make their data available with a Data Management Plan (DMP). EELSdb is the perfect partner!

Horizon 2020 compliant

Simple references and enhanced connectivity

Spectra can be associated with DOI references, linking directly to the relevant publication. Member profiles can be associated with ORCID identifiers and LinkedIn profiles.

Easy and quick to add your EELS spectra to the database

Streamlined data submission process, with the ability to save your details.

Open source and free to use

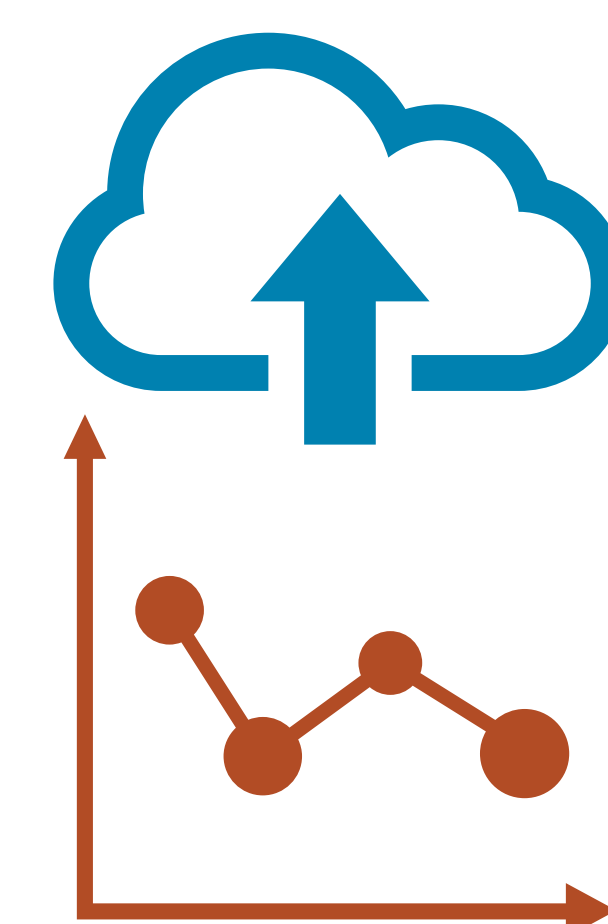
No login required to browse and download, all data is released under an Open Database Licence and free to use.

API Access

Computational access facilitates easy querying and downloads, eg. within the HyperSpy package.

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<http://eelsdb.eu>

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