

Resource Summary Report

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IUPAC CPEP Subcommittee on Electronic Data Standards

RRID:SCR_005082

Type: Tool

Proper Citation

IUPAC CPEP Subcommittee on Electronic Data Standards (RRID:SCR_005082)

Resource Information

URL: <http://www.jcamp-dx.org/>

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Description: An International Union of Pure and Applied Chemistry (IUPAC) subcommittee that deals with individual projects related to technique-specific data standards as well as generic issues. There are worrying gaps in the coverage of known chemistry by reference spectroscopic databases, which are unlikely to be filled by the activities of the commercial sector alone. The IS-DB offers the scientific community the opportunity to share their spectra and develop a vital resource for future generations. Such a collection of spectra will help to provide significant improvements in human health, new materials, environmental protection, sustainable development and educational progress. XML in Chemistry is a new IUPAC initiative to bring a degree of regulation to this important and rapidly expanding field. They aim to facilitate the validation of data dictionaries for various groups developing ontologies expressed in XML in the broad field of Chemistry. This will help to reduce duplication of effort around the world and allow development projects to build on the work previous groups concentrating on their own innovative goals rather than wasting time and effort re-inventing wheels. IUPAC encourages the submission of projects in all areas of chemistry relevant to its work. If you believe there is a need for a new scientific data standard in your field and wish to know more about how to form a limited term task group to get the standard developed please contact the subcommittee.

Abbreviations: JCAMP-DX, IUPAC CPEP SEDS

Synonyms: International Union of Pure and Applied Chemistry Committee on Printed and Electronic Publications Subcommittee on Electronic Data Standards, JCAMP-DX standards, IUPAC Committee on Printed and Electronic Publications Subcommittee on Electronic Data Standards, Joint Committee on Atomic Molecular Physical Data, Joint Committee on Atomic and Molecular Physical Data

Resource Type: data or information resource, international standard specification, knowledge environment, narrative resource, standard specification

Keywords: chemistry, xml, infrared, chemical structure, nuclear magnetic resonance, mass spectrometry, ion mobility spectrometry, spectroscopic data standard, standard, spectroscopy

Availability: The community can contribute to this resource

Resource Name: IUPAC CPEP Subcommittee on Electronic Data Standards

Resource ID: SCR_005082

Alternate IDs: nlx_144094

Record Creation Time: 20220129T080228+0000

Record Last Update: 20260912T195620+0000

Ratings and Alerts

No rating or validation information has been found for IUPAC CPEP Subcommittee on Electronic Data Standards.

No alerts have been found for IUPAC CPEP Subcommittee on Electronic Data Standards.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Rocca-Serra P, et al. (2016) Data standards can boost metabolomics research, and if there is a will, there is a way. *Metabolomics : Official journal of the Metabolomic Society*, 12, 14.

Mayer G, et al. (2014) Controlled vocabularies and ontologies in proteomics: overview, principles and practice. *Biochimica et biophysica acta*, 1844(1 Pt A), 98.

Milsted AJ, et al. (2013) LabTrove: a lightweight, web based, laboratory "blog" as a route towards a marked up record of work in a bioscience research laboratory. *PloS one*, 8(7), e67460.

Griffin JL, et al. (2010) So what have data standards ever done for us? The view from metabolomics. *Genome medicine*, 2(6), 38.

Lancashire RJ, et al. (2007) The JSpecView Project: an Open Source Java viewer and converter for JCAMP-DX, and XML spectral data files. Chemistry Central journal, 1, 31.