

Concurrent Requirements for Sustainable Research Software (Re-)Development

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What is Edirom-Online?

View

Edirom-Online is developed since 2004 and is now subject to an overhaul in the course of the Edirom-Online Reloaded project (2024-27). It is used to present and analyze critical musical editions. It supports various data formats commonly used in digital humanities, such as TEI and MEI, and texts, images, music, and film. In January 2025 Edirom-Online v1.0.0 was released.

Sustainability factors - some more challenging than others...

Uniqueness

Documentation

Software management

Quality assurance

Version management

License

Publication

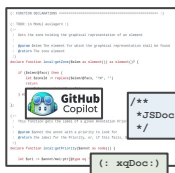
Citation

Documentation

View

The necessity of providing good documentation (for **accessibility** and **reusability**) clashes with development speed and flexibility.

The use of documentation frameworks and AI support for structural documentation enables the automation of certain tasks, allowing for more efficient, accurate, and up-to-date documentation. It is still very important that developers clearly and comprehensively document and comment special cases and code decisions.



Software management

View

The **efficiency** of software development and management clashes with **acceptance** of community demand and decisions.

The Edirom community is meeting monthly online to discuss the future development of the Software. Also regularly in-person developer meetings take place. For asynchronously discussions the Edirom-I mailing list is in use.

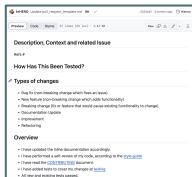


Quality assurance

View

Adhering to contribution **guidelines** (quality assurance for code and workflows) clashes with individual preferences.

The Edirom-Online repository provides contributing guidelines and templates for issues and Pull Requests.

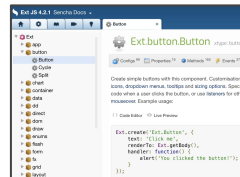


License

View

Existing frameworks' fast **adaptability** clashes with the **independence** of own developments (e.g. for license).

Edirom-Online (still) uses Sencha's ExtJS. Version 7.0 (released in 2019) is the last GPL release which makes a shift to another open-source solution necessary - Ideally: pure JavaScript.



Build, test, and tag **passing**

Contributor Covenant **2:1**

DOI **10.5281/zenodo.5347861**

fair-software.eu **★★★★**

NFDI4Culture Registry

release **v1.0.0**

openssf best practices **in progress 60%**