

OME-XML - Open Microscopy Environment XML

OME-XML is a vendor-neutral file format for biological image data, with an emphasis on metadata supporting light microscopy. It can be used as a data file format in its own right, or as a way of encoding metadata within a TIFF or BigTIFF file (for which purpose there is the **OME-TIFF** specification).

The standard is maintained by the Open Microscopy Environment Consortium, and was last updated in June 2012.

Summary

Standard Website

<http://www.openmicroscopy.org/site/support/file-formats>

Specification

<http://www.openmicroscopy.org/Schemas/>

Mappings

[over 120 file formats](#)

Subjects

life-sciences

Disciplines

animal-pathology, animal-physiology, plant-physiology, plant-pathology, cell-biology

Extensions [Add](#)

OME-TIFF - Open Microscopy Environment TIFF [Edit](#)

A specification of how to embed **OME-XML** metadata within a **TIFF** or **BigTIFF** image file.

Tools [Add](#)

OMERO [Edit](#)

Repository software for organising, viewing, analysing and sharing biological microscopy images. It supports proprietary file formats but normalises to OME-TIFF/OME-XML.

Fiji [Edit](#)

Fiji is an image processing package that supports the **OME data model** for images

Bio-Formats [Edit](#)

Bio-Formats reads proprietary microscopy image data and metadata, and converts them to OME-TIFF, a combination of TIFF and **OME-XML**.

Use Cases [Add](#)

The Cell: An Image Library [Edit](#)

A resource database of images, videos, and animations of cells, capturing a wide diversity of organisms, cell types, and cellular processes. Its native metadata format for images is **OME-XML**.

JCB Data Viewer [Edit](#)

A repository for viewing and analysing multi-dimensional image data associated with articles published in The Journal of Cell Biology. Its native metadata format is **OME-XML**.

Metadata Directory is maintained by [Sean Chen](#)

This page was generated by [GitHub Pages](#).