

Legend

This is a graphical representation of a possible extension of the OME data model developed by members of the Imaging Working Group of the

4D Nucleome consortium. The graph utilizes the Entity-Relationship formalism. In this formalism information about a real world situation/thing

(in our case a Microscope and an image acquired using that instrument) are represented by three types of model elements:

2) RELATIONSHIPS corresponds to VERBS = actions/state/occurrence that connect Entities with each other

3) ATTRIBUTES corresponds to ADJECTIVES = the actual information about each Entity we want to collect In order to read the schema please start from INSTRUMENT and from and IMAGE for the Specifications and Settings section respectively. Then follow the lines to the

connected boxes and think something like: 1) An Instrument has a Microscope_Body, might rest on a Microscope_Table, and has a Light_Source etc.; 2) An Image was

