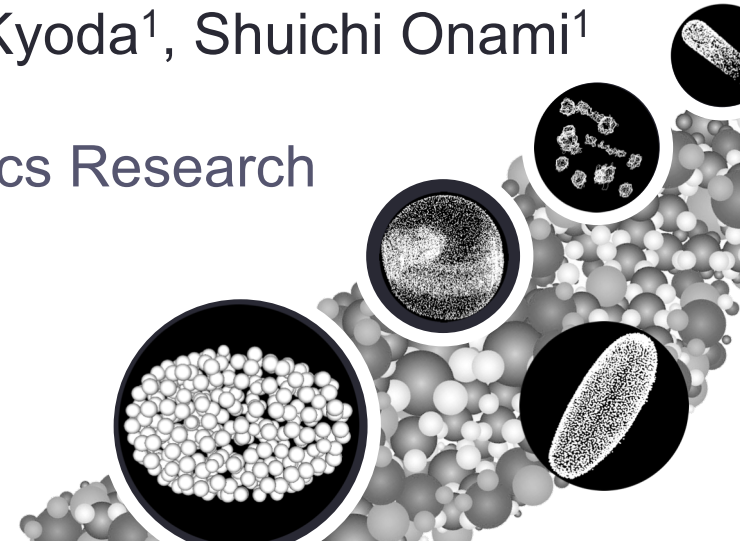


SSBD: developing an integrated database for searching, analysing and visualising microscopy images and quantitative data

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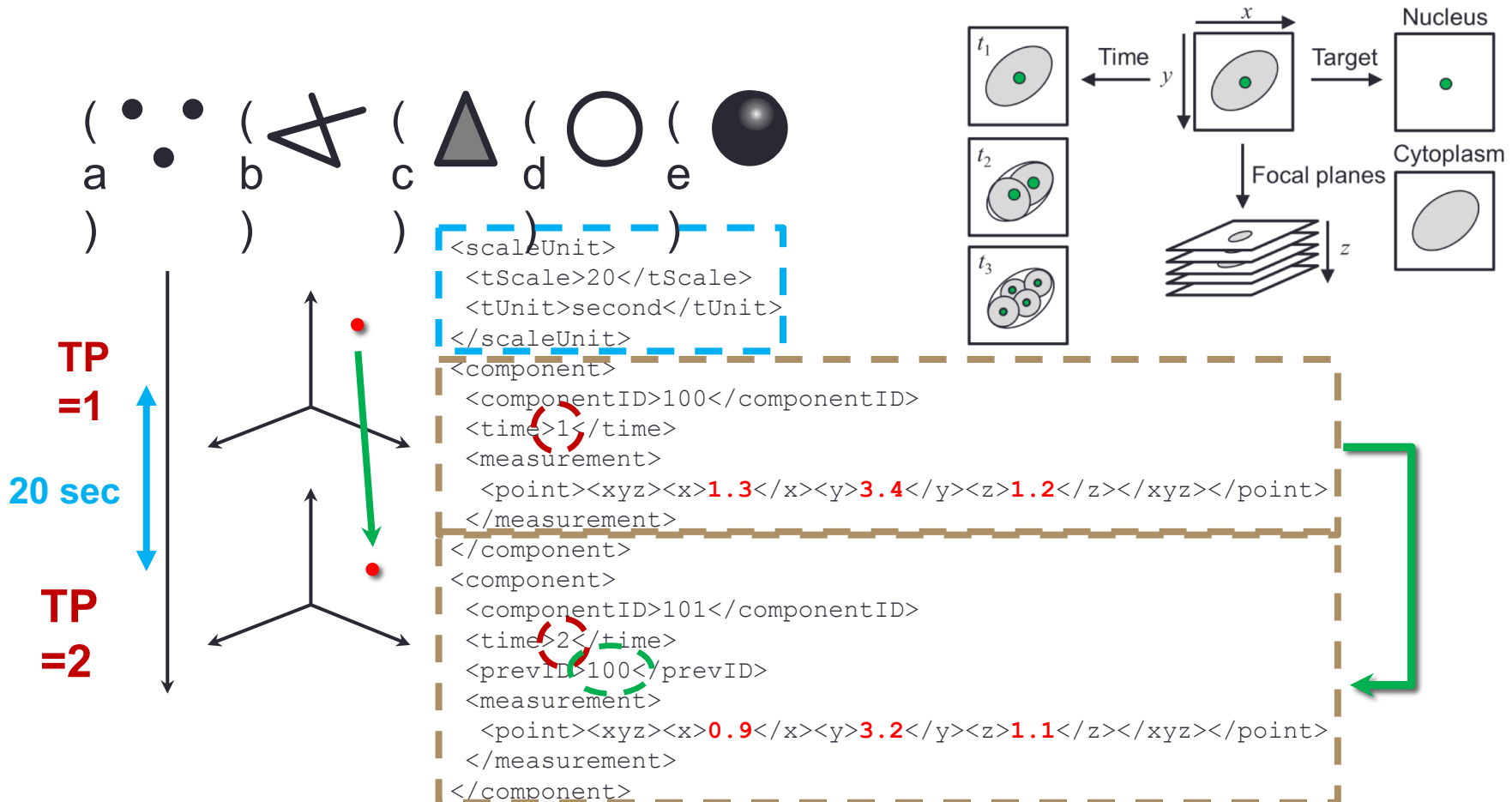


BDML - Biological Dynamics Markup Language



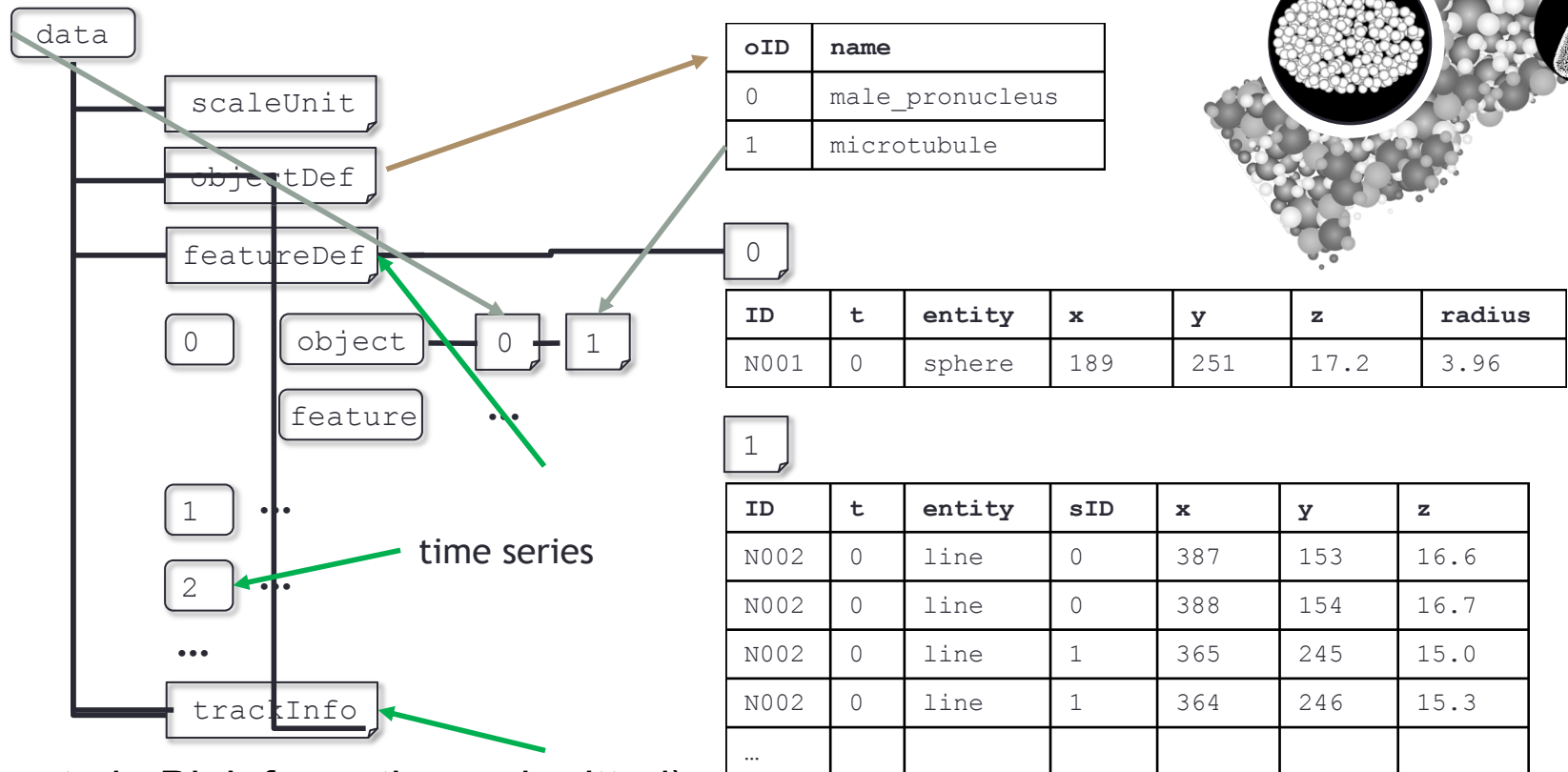
(Kyoda et al., Bioinformatics, 2015)

- Unified format for spatial temporal information **in XML**



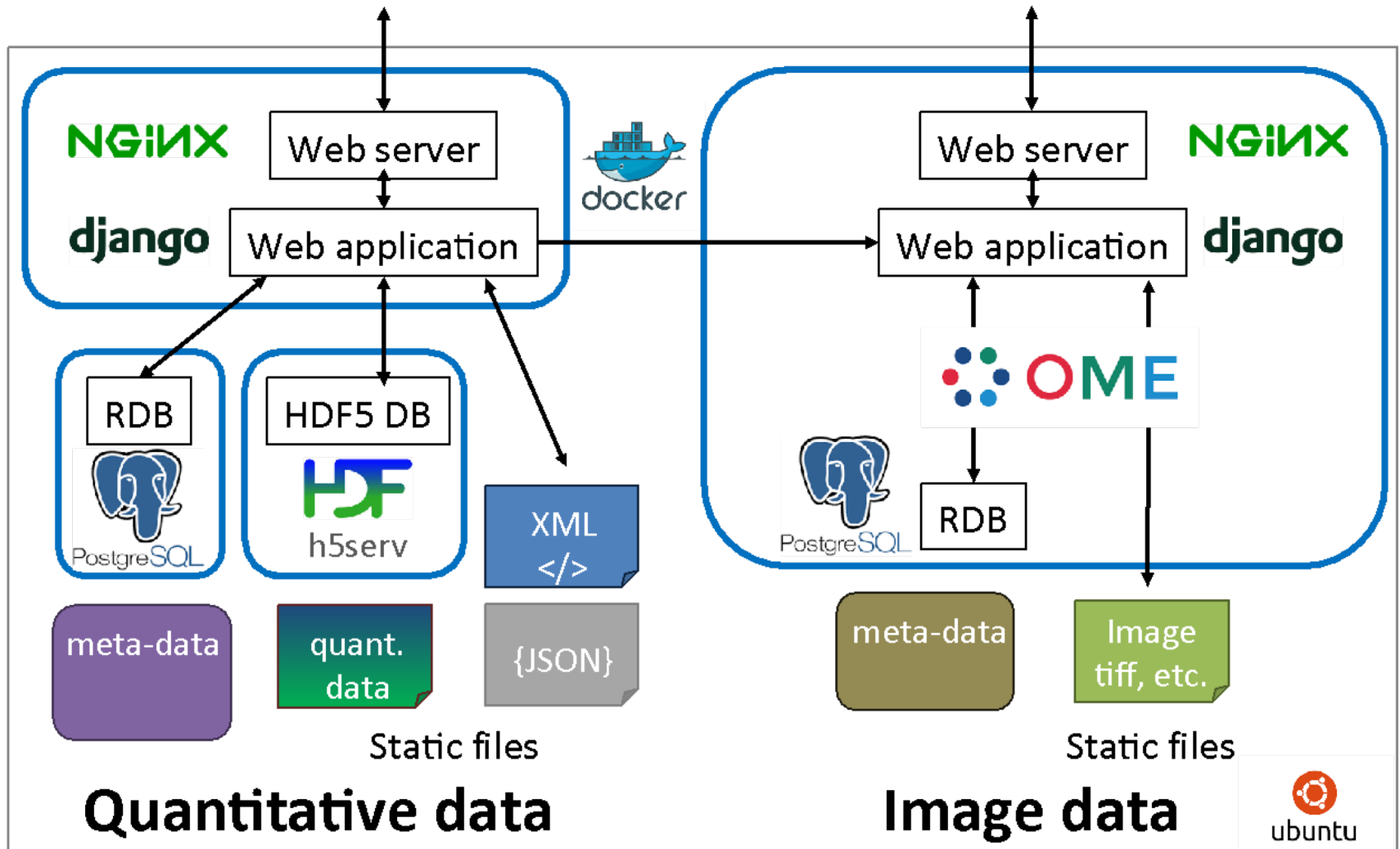
BD5 is a binary format based on HDF5

- Hierarchical data structure allowing faster more efficient random access to data



SSBD database system

Services: REST API, Download, Browser Viewer



Current issues

- Meta data are separated - for image / numerical data
 - No search for both data in current implementation
 - More integration with OMERO?
- Web security audits
 - Frequent update of OMERO has impact on the integration of our system.
 - Understanding more about OMERO's update cycles.

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SSBD Database
Systems Science of Biological Dynamics



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