

Do you understand me?

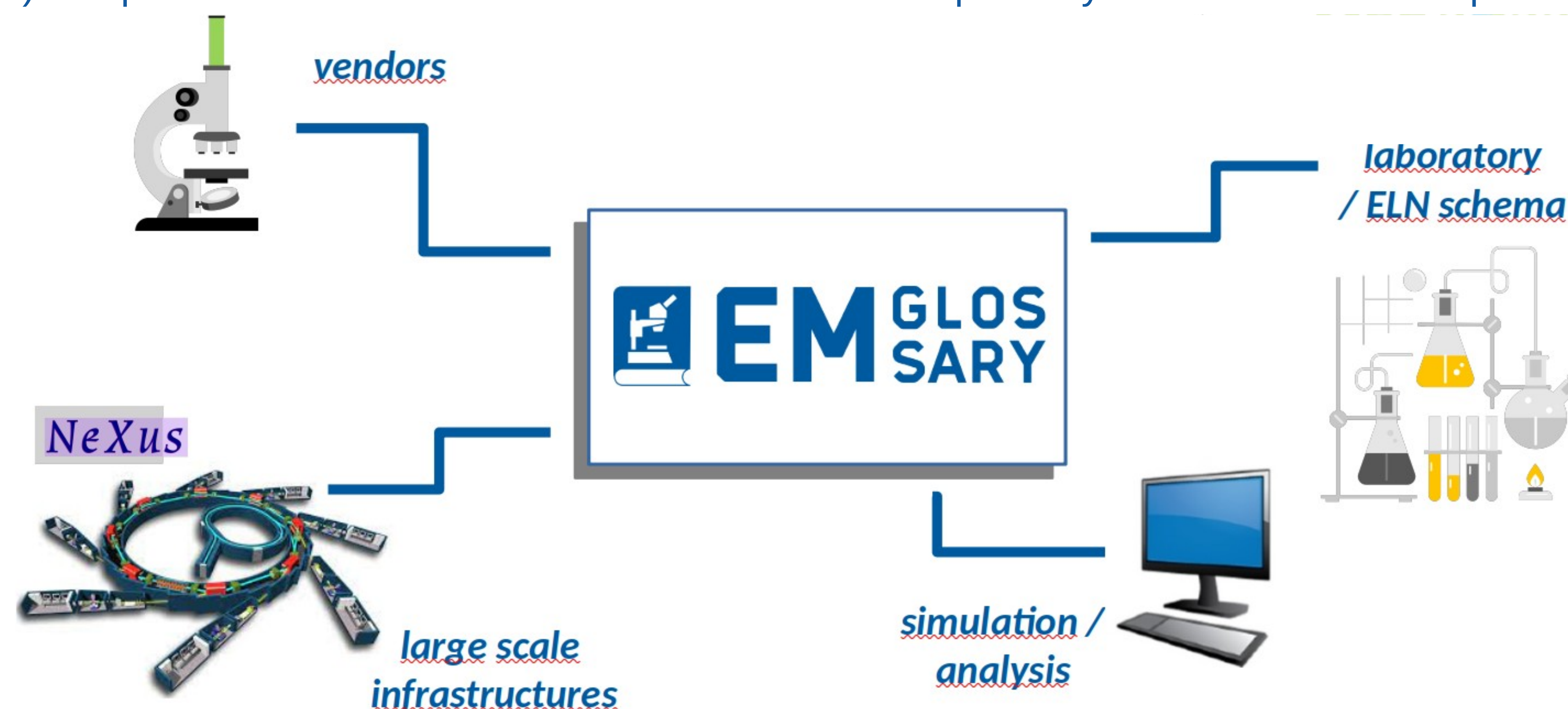
Community effort for coordinated semantics in the electron microscopies

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The challenge

Electron microscopy is a widely used technique with a **diverse stakeholder landscape** and numerous projects that develop metadata terminology (i.e. schemas and ontologies) independent of one another.



The solution

Provide a **harmonized and machine-actionable semantic artifact** to act as a **glue technology** that various initiatives can map to. This supports interoperability across a substantial part of the field.

The goal

open, transparent & FAIR

- (1) open & fully documented development
- (2) microcredits for contributors

relevant, up-to-date & community accepted

- (1) strategic term prioritization
- (2) consensus on across a broad community

machine actionable

- (1) compatible with semantic web standards
- (2) crosswalks to relevant projects

persistent

- (1) HMC maintained
- (2) continuous development with user community

The community

Moderated by HMC, **researchers** from more than **22 institutions across Switzerland, Austria and Germany** work together. Our network is continuously extended - we aim to further spread the effort on an European and International level.



How we work...



workflow

asynchronous workflow in GitLab
experts contribute on a schedule that suits them
user friendly technology stack



semantic strategy

strategy to identify relevant terms
lightweight, unpacked definitions
full provenance of development



developer meetings

regular remote meetings
input from relevant projects & disciplines
peers engage with each other for networking



Get involved now!

Join our meetings & mailing list to keep up to date with the latest information and community events.

Request access via:

HMC@fz-juelich.de
HMC-matter@helmholtz-berlin.de



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SCAN ME

Check our repository
More information on our Wiki-page