CIM/CGMLES related libraries

- C++ library for various versions of CIM and CGMLES: [https://github.com/cim-iec/libcimpp](https://github.com/cim-iec/libcimpp)
  - Supports import for DL, DY, EQ, GL, SV, SSH, TP CGMLES profiles and all IEC61970 CIM classes
  - Export is only partially available
- Python library for CGMLES (v2.4.15): [https://github.com/sogno-platform/cimpy](https://github.com/sogno-platform/cimpy)
  - Supports import and export for DL, DY, EQ, GL, SV, SSH, TP CGMLES profiles
- Java library for CGMLES (v2.4.15): [https://github.com/sogno-platform/cim4](https://github.com/sogno-platform/cim4)
  - Supports import, built in a similar way as cimpy, documentation still missing
  - Python library for CGMLES (v2.4.15 and v3.0 coming soon): [https://github.com/powsybl/powsybl-core](https://github.com/powsybl/powsybl-core)
  - Java library used to import a set of EQ, TP, SSH and SV profiles and export the updated SSH and SV profiles. It could be used to import EQ profile only (ongoing work). Support of DL and GL profiles. Full export EQ in progress.
- iTesla : A Modelica library for phasor time-domain simulations : [https://github.com/itesla](https://github.com/itesla)
- Background article : [https://www.sciencedirect.com/science/article/pii/S2352711016300097](https://www.sciencedirect.com/science/article/pii/S2352711016300097)
- iPSL: iTesla Power System Library : [https://github.com/itesla/ipsl#ipsl-itesla-power-system-library](https://github.com/itesla/ipsl#ipsl-itesla-power-system-library)
- Haigutus/USVDM : A collection of utilities for exchanging and working with CGMLES : [https://github.com/haigutus/usvdm](https://github.com/haigutus/usvdm)
- CGMES OCL rules V3 Validator Prototype : [https://github.com/rte-france/cgmes-ocl-validator](https://github.com/rte-france/cgmes-ocl-validator) (By RTE)
- Azure Digital Twins Definition Language (DTDL) ontology for Energy Grid : [https://github.com/Azure/opendigitaltwins-energygrid](https://github.com/Azure/opendigitaltwins-energygrid)
  - This is based on LFE CIMpy since the FIWARE smart data model for CIM is generated from CIMpy
- Javascript library to draw network diagrams from CGMLES files: [https://github.com/sogno-platform/pintura](https://github.com/sogno-platform/pintura)
  - generated CGMLES js classes: [https://github.com/sogno-platform/pintura/tree/master/cimmenu/cgmes/src](https://github.com/sogno-platform/pintura/tree/master/cimmenu/cgmes/src)