CMDI 1.2 specification: [https://www.clarin.eu/cmdi1.2-specification](https://www.clarin.eu/cmdi1.2-specification)
CMDI best practices: [https://www.clarin.eu/cmdi-best-practices](https://www.clarin.eu/cmdi-best-practices)

**Tools for a CMD Modeller**

- List of recommended components:
  - [www.clarin.eu/faq/there-list-recommend-components-and-profiles](http://www.clarin.eu/faq/there-list-recommend-components-and-profiles)
- Get a grip on the differences between components and profiles in the SMC Browser:
  - [clarin.oeaw.ac.at/exist/apps/smc-browser](http://clarin.oeaw.ac.at/exist/apps/smc-browser)
- Create, if needed, your own components and profiles in the Component Registry:
  - [www.clarin.eu/componentregistry](http://www.clarin.eu/componentregistry)
  - Interact with your national CMDI and CCR coordinator(s) to construct and use good quality components, profiles and concepts:
    - [www.clarin.eu/ccr](http://www.clarin.eu/ccr)
  - Inspect common vocabularies in the CLARIN Vocabulary Service or suggest the creation of new vocabularies:
    - [vocabularies.clarin.eu](http://vocabularies.clarin.eu)
- Assess the quality of your profiles and components:
  - [curation.clarin.eu](http://curation.clarin.eu)
- Inspect if the VLO can find its facets in your profiles:
  - [vlo.clarin.eu/mapping](http://vlo.clarin.eu/mapping)
Tools for a CMD Creator or Curator

- Create your CMD records via:
  - Your own specific transformations, continue to validation
  - Your own specific forms, continue to validation
  - Get inspired by the CMDI Maker: cmdi-maker.uni-koeln.de
  - ...or Coala, which converts (fixed) table structures into CMDI: clarin.phonetik.uni-muenchen.de/BASWebServices/interface/Coala
- Use a generic CMDI editor:
  - COMEDI: clarino.uib.no/comedi
- Use a generic XML editor:
  - For example, oXygen: www.oxygenxml.com
- Always validate your CMD records:
  - CMDI Validator: github.com/clarin-eric/cmdi-instance-validator
  - SchemAnon: github.com/TheLanguageArchive/SchemAnon
  - Any generic XML editor that supports XSD validation, e.g., oXygen
  - xmllint --schema: available for most systems

Tools for a CMD Provider

- Provide your CMD records for harvesting:
  - ...by the OAI provider supplied by your repository
  - For example, Fedora Commons can provide CMD records via Proai
  - ...or directly from the file system
  - We have good experiences with jOAI:
    uc.dls.ucar.edu/joai
- Register your endpoint in the CLARIN Centre Registry: centres.clarin.eu
- Inspect the harvesting results at:
  vlo.clarin.eu/oai-harvest-viewer
- And see the records appear in the VLO ☺

1 http://proai.sourceforge.net/
And for all the CMDI questions you never dared to ask:

clarin.eu/cmdi

clarin.eu/faq

cmdi@clarin.eu

trac.clarin.eu/wiki/Taskforces/CMDI²

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² Requires a CLARIN developers account – see https://www.clarin.eu/dev