# And for all the CMDI questions you never dared to ask:

[clarin.eu/cmdi](http://www.clarin.eu/cmdi)

[cmdi@clarin.eu](mailto:cmdi@clarin.eu)

[trac.clarin.eu/wiki/Taskforces/CMDI](https://trac.clarin.eu/wiki/Taskforces/CMDI)

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# Tools for a CMD Modeller

* List of recommended components:
  + [http://www.clarin.eu/faq-page/273#t273n3491](http://www.clarin.eu/faq-page/273)
* Get a grip on the differences between components and profiles in the SMC Browser:
  + <http://clarin.oeaw.ac.at/exist/apps/smc-browser/index.html>
* Create, if needed, your own components and profiles in the Component Registry:
  + [http://catalog.clarin.eu/ds/ComponentRegistry/#](http://catalog.clarin.eu/ds/ComponentRegistry/)
  + Interact with your national CMDI and CCR coordinator(s) to construct and use good quality components, profiles and concepts
    - <http://www.clarin.eu/ccr/>
* Inspect if the VLO can find its facets in your profiles:
  + <https://lux17.mpi.nl/isocat/clarin/vlo/mapping/index.html>

# 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](http://cmdi-maker.uni-koeln.de/)

* + Use a generic CMDI editor:
    - COMEDI:

[clarino.uib.no/comedi](http://clarino.uib.no/comedi)

* + - Arbil:

[tla.mpi.nl/tools/tla-tools/arbil/](https://tla.mpi.nl/tools/tla-tools/arbil/)

* + Use a generic XML editor:
    - For example, oXygen:

[www.oxygenxml.com](http://www.oxygenxml.com/)

* Always validate your CMD records:
  + CMDI Validator:

[trac.clarin.eu/browser/CMDIValidator/trunk](https://trac.clarin.eu/browser/CMDIValidator/trunk)

* + SchemAnon:

[github.com/TheLanguageArchive/SchemAnon](https://github.com/TheLanguageArchive/SchemAnon)

* + A 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 coming with your repository, continue to registration of your endpoint
    - For example, Fedora Commons can provide CMD records via Proai
  + or directly from the file system
    - We had recently good experiences with jOAI:

[www.dlese.org/dds/services/joai\_software.jsp](http://www.dlese.org/dds/services/joai_software.jsp)

* Register your endpoint in the CLARIN Centre Registry:

[centres.clarin.eu](https://centres.clarin.eu/)

* Inspect the harvesting results at:

[vlo.clarin.eu/data](http://vlo.clarin.eu/data)

* And see the records appear in the VLO ☺

[vlo.clarin.eu](http://vlo.clarin.eu/)