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Terminology methods and tools developed for the national terminology portal *Termportalen* (Norway)

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Outline of presentation

- Background and status
 - Briefly on motivation, the project and status
- Integration of resources from terminology owners
 - Consolidation of domain information
 - Non-consistent use of data fields
- Terminology management tools
 - Generic data model
 - Terminology CMS System









BACKGROUND & STATUS





Aims of subproject Termportalen

- Overcoming the fragmentation problem in the field of terminology in Norway
- Establish http://www.terminologi.no/ a national infrastructure whose purpose is to harmonize and integrate terminological language resources (TLRs) into CLARINO for the benefit of a variety of end users
- Provide the technical architecture needed for integration and accessibility of TLRs and to vouch for their interoperability with the CLARIN and ISO/TBX standards
- Thereby taking a national responsibility to develop and maintain Norwegian terminology in line with national language policy and the Norwegian higher education act
- part of WP 7 Terminology Integration of the RCN project: CLARINO
 (Common Language Resources and Technology Infrastructure), aiming to make LRs available for research purposes etc.

Availability of TLRs in Termportalen/ CLARINO





- Owners, distributors and end users of TLRs
- Termportalen generally open access
- Searchable and/or downloadable in CLARINO, depending on owner's choice
- Accessibility levels andlicence agreements:
 - **Public**: Creative Commons/CC-by licence, neither authentication or authorisation
 - Academic: authentication but not necessarily authorisation
 - **Restricted**: authentication and authorisation
- CLARINO scheme for metadata (CMDI) for each resource







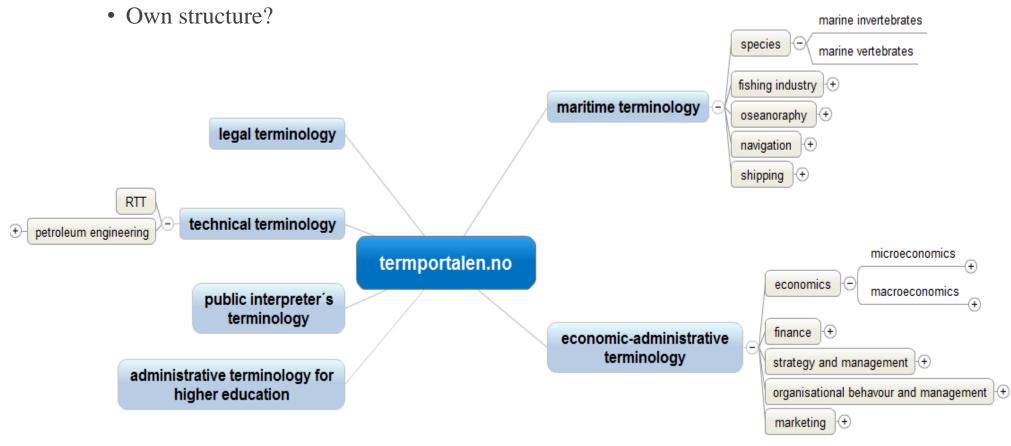
INTEGRATION OF RESOURCES FROM TERMINOLOGY OWNERS



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Consolidation of domain information

- How to build an over-arching domain structure
 - Possible alternatives:
 - Dewey's decimal classification?
 - Delineation based on e.g. DanTermBank or others?







Non-consistent use of data fields (1)

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Non-consistent use of data fields (2)

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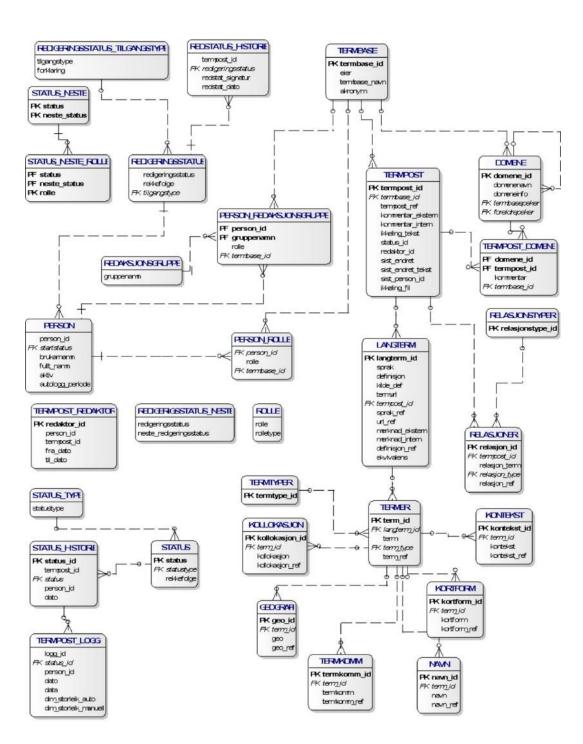
Generic data model for interoperable terminololgy data





- Compliant with standards like:
 - ISO 704 Terminology work: principles and methods
 - ISO 16642 Computer applications in terminology; TMF
- Based on reviewing data catagories from 'our' bases
 - Special attention given to NOT-basen (Norwegian oil terminology)
- Cooperation with DanTermBank, the Danish national terminology project – led by the Danterm Centre/ Copenhagen Business School (CBS)

Data model





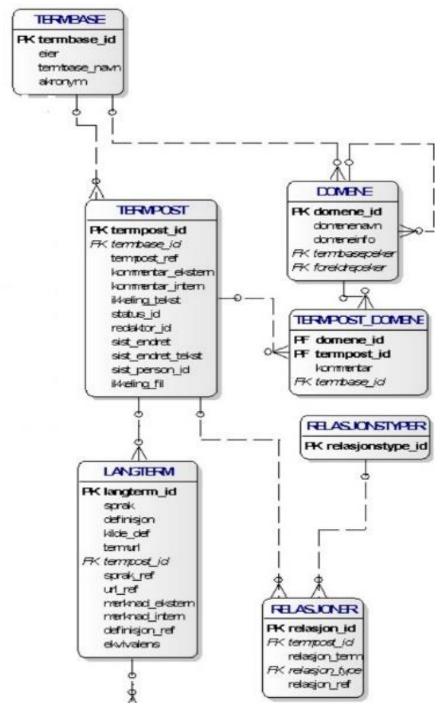




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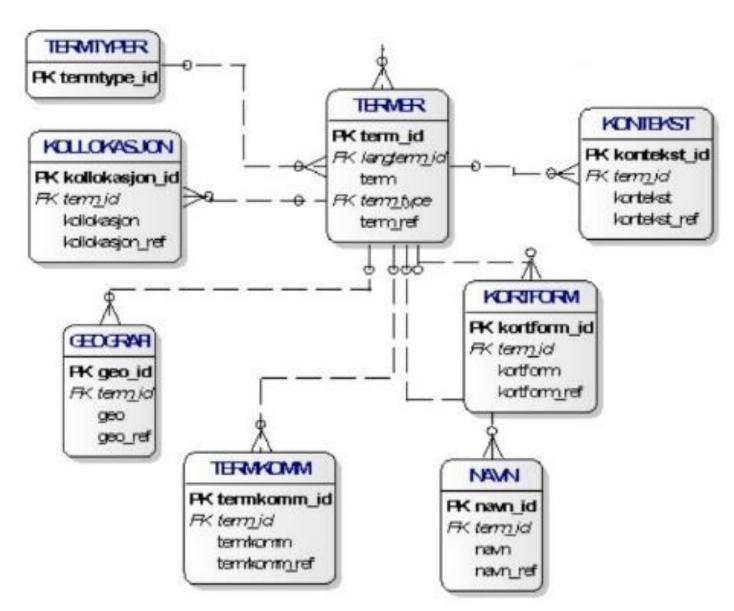


Concept





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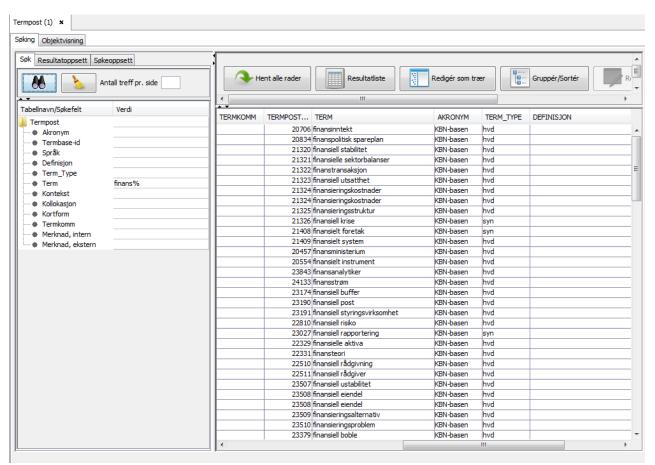




Terminology CMS System



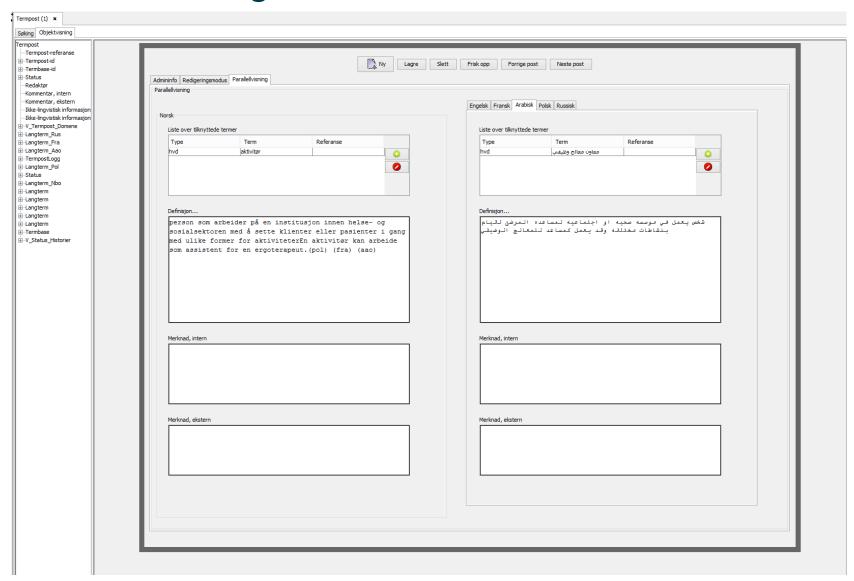
- Based on existing CMS for lexicography (Norsk ordbok)
 - developed by *Unit for Digital Documentation* (EDD, http://www.edd.uio.no/), who are responsible for 'Bokmålsordboka' and 'Nynorskordboka', the two largest online lexicographic dictionaries in Norway







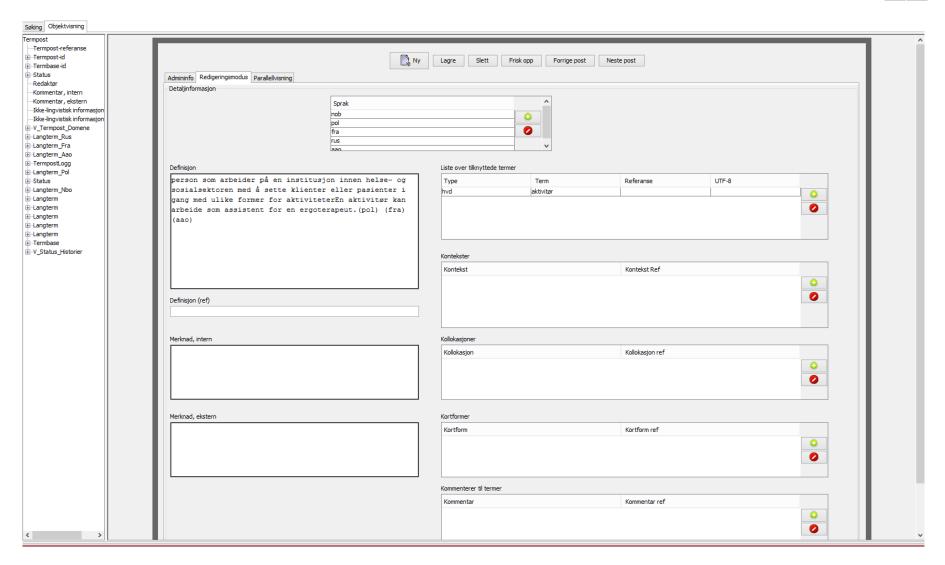
Parallel editing view





Full editing view







Administrative info



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Concluding remarks

- Termportalen a solid framework for methodological and systematic national terminology work:
 - CMS and data model set a standard for how to register terminological data
 - Reduces terminological variation across local resources
 - Enables harmonisation of terminology and domains across organisations, e.g. public bodies
- Extended view: «terminological infrastructure» not only terms and termbases, but also related technology, research, competence, best practices, language standardisation, etc. Access to research and technology competence enables e.g. semi-automatic term extraction from corpora
- The combination of terminology work, research and technology development is a prerequisite for a successful development of Termportalen