

Migrating SemRep_DIM to a new domain:

- 1- Copy the contents of USemrep_dim to a new directory under SAW/src (called USemrep_DOMAIN, henceforth: USemrep_climate, for example). Redirect USemrep symbolic link to this new directory.
- 2- Edit the domain ontology file. For SemRep_DIM, the ontology file is usemrep_domain/disaster_domain.pl. Copy it to DOMAIN_domain.pl in the same directory. Three types of predicates are defined in this file:
 - a. DOMAIN_domain_semtype/3: New semantic types defined for the domain, their abbreviations and semantic groups.
 - b. DOMAIN_domain_replace/2: UMLS concepts that need to be updated for the new domain
 - c. DOMAIN_domain_concept/3: New concepts for the domain or new synonyms for the existing UMLS concepts.
- 3- Create locsemnet, semrules and exceptions modules for the DOMAIN. See locsemnet_DIM.pl, semrules_DIM.pl and exceptions_DIM.pl for examples.
- 4- Update get_semtypes.pl
 - a. This module calls disaster_concepts module and its disaster_domain_semtypes/3 predicate. Change this accordingly: use_module(DOMAIN_concepts):DOMAIN_domain_semtypes/3.
 - b. Change the call to exceptions_DIM module to exceptions_DOMAIN.
 - c. Update look_up_semantic_groups_1/3 and abbreviate_umls_semtypes/2 predicates with calls to DOMAIN_domain_semtypes/3 instead of disaster_domain_semtypes/3.
- 5- Update interanalysis.pl
 - a. Same as the changes for get_semtypes.pl: Update disaster_concepts module calls to DOMAIN_concepts and call exceptions_DOMAIN, instead of exceptions_DIM. Update calls to disaster_concepts predicates to DOMAIN_concepts, as well.
- 6- Update pre_compilation.pl
 - a. Change the call to exceptions_DIM module to exceptions_DOMAIN.
- 7- Update seminterp.pl
 - a. Change locsemnet_DIM calls to locsemnet_DOMAIN.
 - b. Change semrules_DIM calls to semrules_DOMAIN.
- 8- Update ssuppserv.pl
 - a. Change locsemnet_DIM calls to locsemnet_DOMAIN.
 - b. Change disaster_concepts calls to DOMAIN_concepts. Update calls to disaster_concepts predicates to DOMAIN_concepts, as well.
- 9- Update usemrep.pl
 - a. Change disaster_domain_concepts call to DOMAIN_domain_concepts.