**Topics for implementations**

This is a list of topics to cover in future implementations of SuMSO.

SuMSO core ontological module must be implemented by:

* Covering classes addressing additional meat system activities. + Extending the related axiomatization.
* Covering classes addressing additional meat system components and stakeholders.
* Covering classes addressing activity temporal and spatial-temporal regions.
* Covering classes addressing meat system (and related components) spatial regions.
* Covering meat systems structures, such as restaurants, farms, etc.
* Deepening the characterization of agency in activity.
* Revising meat system component-perspective axiomatization with regards to meat systems activity inputs and outputs.
* Extending the representation of values.
* Extending the representation of product, by-product and waste roles.
* Improving worker-company role hierarchization.
* Characterizing the influence of meat system activities and other processes on meat system behaviors and properties.
* Extending the representation of meat supply chain activities to other animals as well as to types of cows, cow age and contribution to meat supply chain activities.
* Deepening the representation of certifications, certification issuance processes, and claims.
* Deepening the representation of meat as an animal-deriving item and as a food.
* Including more classes to represent cow meat.
* Revising the “organism” hierarchy to extend and integrate biological classification and common language classification.
* Implementing the disambiguation of the term “animal”.
* Including additional organization/worker roles.
* Deepening the representation of company and organization participation in meat systems processes.
* Deepening the representation of the relation between workers and corresponding companies.
* Including classes to represent machine system workers.
* Deepening the representation of /distinction between living organisms and carcasses.
* Improving the meat system activity axiomatization with regard to well-being. + doing the same for value and meat systems properties, such as resilience and stability.
* Extending the representation of plans, objectives, and related information with regard to meat system activities.
* Evaluating the possibility to include reference to meat system actions.
* Extending the representation of meat systems interactions.
* Extending the representation of meat systems sub-activities.
* Providing additional sub-classes to deepen the ontology representation.
* Validating with subject matter experts the representation of supply chains and supply chain activities.
* Discussing whether supply chains are parts of complex systems and/or exist across complex systems. + discussing how to represent these features.
* Discussing the possible relation between corresponding company and worker roles.
* Addressing system granularity (in SCO and making the corresponding revisions in SuMSO).
* Aligning IAO/OBI - CCO - SuMSO representation of plans, plan specifications, and directive information entity.
* Discussing on meat system components perspectives. Do all meat system components have perspectives?
* Discussing organisms as complex systems other than components od some complex (meat) systems.