

Environmental Health Use Case Template

I. Use Case Description	
Use Case Name	<i>Consider a goal-driven use case name</i>
Use Case Identifier	<i>A unique identifier for reference</i>
Owner	<i>The organization leading the use case</i>
Point of Contact	<i>Name, email address, affiliation if not obvious from email, other relevant details</i>
Creation / Revision Date	<i>Date use case was created or most recently revised</i>

II. Use Case Summary

Goal

Briefly describe the goal the use case is intended to satisfy; include how resolving the use case would advance EHS research

Description

Summarize the use case, capturing the essential objectives and important variables or concepts that will require terminologies.

Scope

Identify any known boundaries and the intended scope of the use case

Requirements

State any requirement(s) specific to this use case, e.g., capabilities from a process model that the use case supports, reference identifiers, etc.

Priority

Identify the priority of the use case

Stakeholders

Identify all known stakeholders for the use case

Actors/Interfaces

List actors: people, systems, repositories, sensors, any 'thing' that would 1) act on the system (primary actors) or are 2) acted on by the system (secondary actors). Primary actors invoke the use case and benefit from the result.

III. Usage Scenarios

Provide at least two usage scenarios that flesh out the requirements outlined in the summary, including identification of requirements specific to any envisioned ontology or semantically-driven service or application. Scenarios should be described as narrative, with supporting diagrams as appropriate.

IV. Competency Questions

Provide at least 2 competency questions that you will ask of the vocabulary/ontology/knowledgebase to implement this use case and test the adequacy of the language standard(s).

V. Resources – Knowledgebases, Repositories, Data Sources

In order to support the capabilities described in this Use Case, a set of resources must be available and/or configured.

Data Source Name

Name of dataset or repository

Description

Short description of the dataset and how it was generated

Type

Indicate the type of data; e.g., metabolomic, exposure

Format/Characteristics

Describe the format of the data and use of any standardized identifiers, vocabularies, or other data standards

Sample Data

For each data type, provide an example and highlight components that conform to standards

Owner

Name of resource owner

Link

Link or instructions on access

Access Policies/Usage

Indicate if licensing, PII, or other issues impact access and usage of the data

VI. Resources – Ontologies, Vocabularies, or other Model Services

Resource Name

Name of ontology, vocabulary, or model

Description

Overview of the scope and coverage of the language, including which data variables would be covered by the language

Format

Ontology language or syntactic form; e.g., Owl, RDF, ..

Applications

Briefly describe how the ontology/vocabulary has been applied to data, if relevant

Owner

Name of resource owner

Link

Link or instructions on access

Access Policies/Usage

Indicate any requirements for access and usage

VII. Resources – Other Resources, Services, Applications

Resource Name

Name of other resource

Description

Overview of the resource and its application for the use case

Owner

Name of resource owner

Link

Link or instructions on access

Access Policies/Usage

Indicate any requirements for access and usage

VII. Gaps and Challenges

Data: After review of available data, indicate any potential data gaps or limitations of the data.

Language: After review of languages/models, indicate where gaps in terminologies exist, reconciling overlap/duplication of terms, and/or other limitations of using the existing language standards.

VIII. Reference Materials

List all materials – policy documents, standards, de-facto standards, glossaries, dictionaries and thesauri, taxonomies, and any other reference materials considered relevant to the use case.

IX. Notes

Space to capture content that has no other place to go.