The I-ADOPT Variable Modelling Workshops

Prepare your I-ADOPT variables

RDA InteroperAble Descriptions of Observable Property Terminology WG (I-ADOPT WG)

Core members:

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In collaboration with



Different options how to prepare your variable

You can choose to prepare your variable descriptions (partially or fully modelled) in one of the formats below (either human-readable or RDF), depending on your skills and preferences.

Creating human readable output:

A. Excel templates (one template including also OMS concepts)

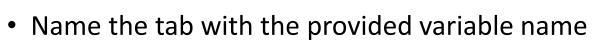
Creating machine-readable (RDF) output:

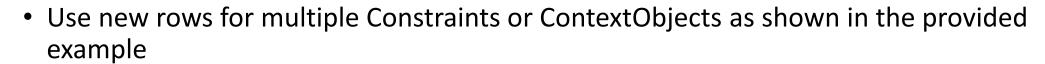
- B. Online form
- C. Turtle file

Please **upload your variable models** to this <u>folder</u>, labeling the files with your name.

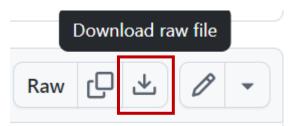
Option A1: Excel template for I-ADOPT variables

- Go to this <u>template</u> and download it
- Use one tab per variable, copying the template to each tab





- Green columns are mandatory for a variable to be valid
- White columns are optional
- Purple columns are for the links (URIs) to semantic concepts, they are folded but can be unfolded by clicking on the + button
- Yellow columns can be useful in the modelling process

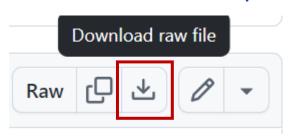


Template: https://github.com/i-adopt/examples/blob/main/templates/VariableModellingTemplate.xlsx

Option A2:

Extended Excel template for I-ADOPT variables & OMS concepts

- Go to this <u>template</u> and download it or
- Make a copy of the <u>template in google sheet</u>
- Use one tab per variable, copying the template to each tab
- Name the tab with the provided variable name
- Use new rows for multiple Constraints or ContextObjects as shown in the provided example



Option B: Online form (only I-ADOPT)

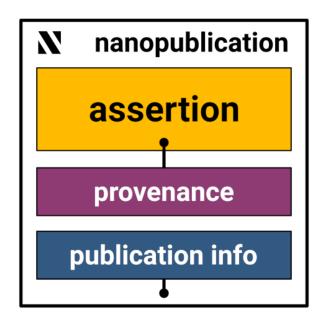
- The online form is a nanopublication template.
- A nanopublication is a small RDF knowledge graph which allows to create machine readable RDF statements with associated provenance information.
- To use the <u>template</u> you need to have an ORCID. Please follow the instructions online. Find <u>here</u> an example.
- Provide the full identifiers of the published variable nanopublications in a zipped txt file.

Template:

https://nanodash.knowledgepixels.com/publish?16&template=https://w3id.org/np/RAGUWnX KhfKYwmMoDK-LVXIEnnGdAuzFZKR9FZsXHJsxQ

Example:

https://w3id.org/np/RANsVBnIjFjay8xxt_Iw3io3zq4IOei23TkTUPx4WsLFc



Option C: Turtle file (only I-ADOPT)

- Create one turtle file per variable
- See this RDF <u>turtle file</u> as an example
- Use a mocked, local identifier for your variable (=name of the turtle file)
- If you can not find a semantic concept for a component, use a local identifier and assign a proper label