

The I-ADOPT Variable Modelling Workshops

Preparation of I-ADOPT variables

[RDA Interoperable Descriptions of Observable Property Terminology WG \(I-ADOPT WG\)](#)

Core members:

Barbara Magagna, GO FAIR Foundation, NL

Gwenaëlle Moncoiffé, BODC, UK

Anusuryia Devaraju, CSIRO, AU

Maria Stoica, University of Colorado, US

Sirko Schindler, German Aerospace Center, DE

Alison Pamment, Centre for Environmental Data Analysis, UK

Created by



In collaboration with



Different options how to prepare your variable

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

Creating human readable output:

A. Excel template

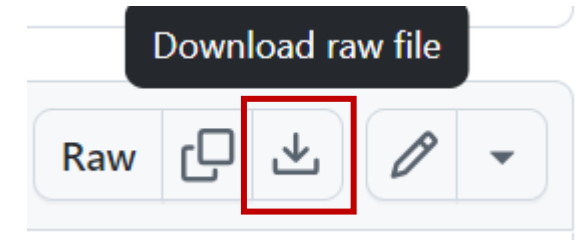
Creating machine-readable (RDF) output:

B. Online form

C. Turtle file

Option A: Excel template

- Go to this [template](#) and download it
- 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
- 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 C: Online form

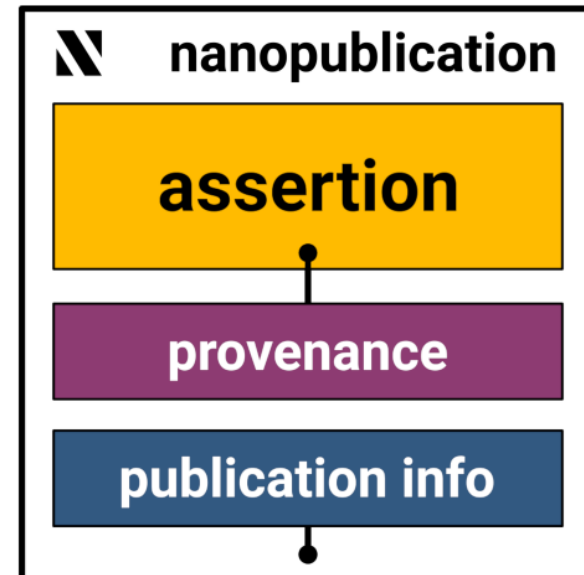
- The online form is a nanopublication template.
- A nanopublication is a small RDF knowledge graph which allows to create machine readable RDF statements with associated provenance information.
- To use the [template](#) you need to have an ORCID. Please follow the instructions online. Find [here](#) 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/RAGUWnXKhfKYwmMoDK-LVXIEnnGdAuzFZKR9FZsXHJsxQ>

Example:

https://w3id.org/np/RANsVBnIjFjay8xxt_lw3io3zq4lOei23TkTUPx4WsLFC



Option D: Turtle file

- Create one turtle file per variable
- See this RDF [turtle file](#) 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

<https://github.com/i-adopt/examples/blob/main/EnvThes/30351.ttl>