

Protége plugins

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Adding and viewing images to your ontology

Jim Balhoff
NESCent

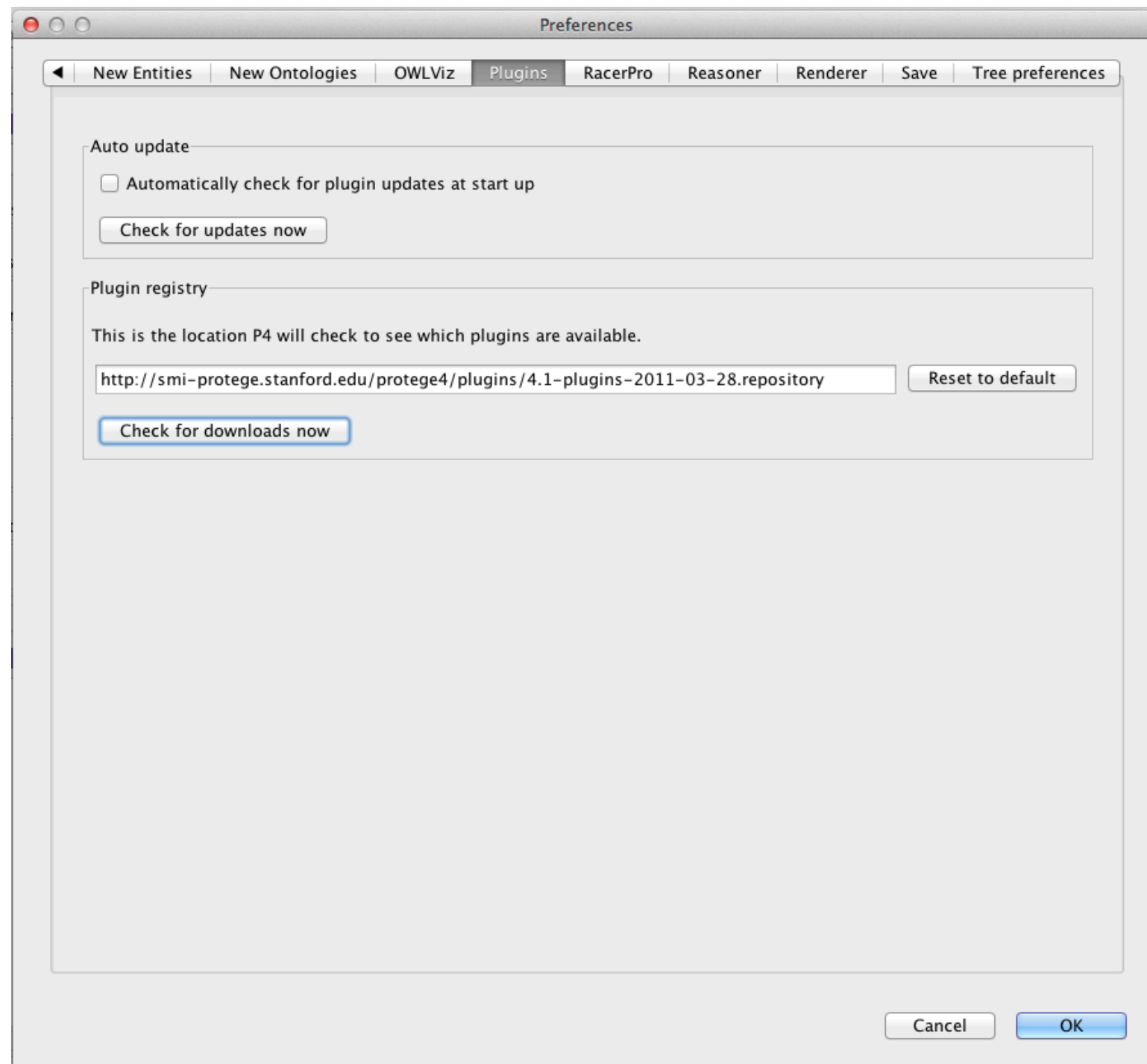
Protégé plugins

- Nearly all of the Protégé interfaces are actually plugins
- Can be replaced, reorganized, etc.
- Lots of useful functionality available under Window > Views

Adding plugins

- Preferences: Plugins tab > “Check for downloads now”
- Manually download and add plugin jar file to your Protégé installation: “plugins” folder

Plugins in preferences



Plugins in preferences

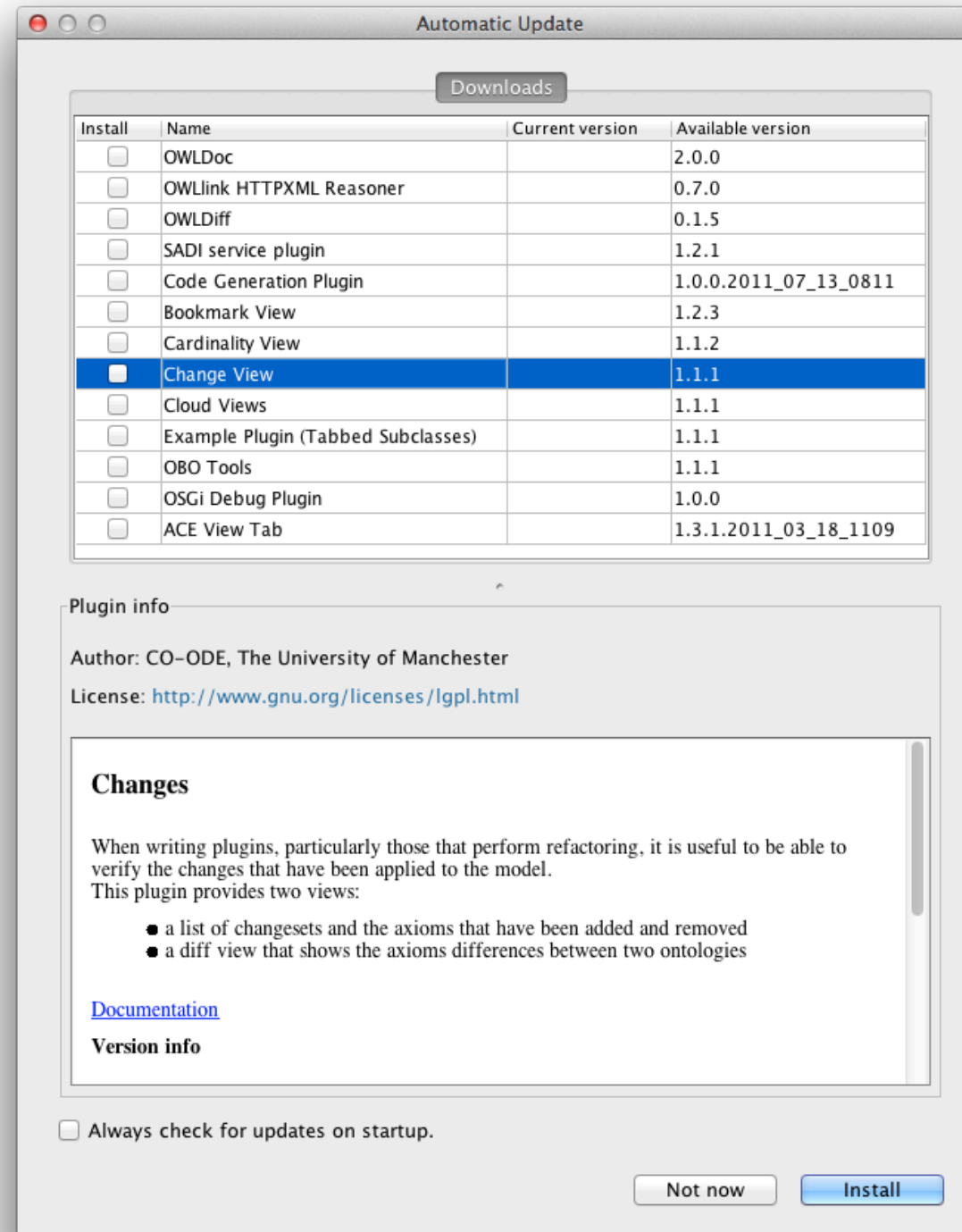


Image depictions plugin

- Download: <https://github.com/balhoff/image-depictions-view/downloads>
- Retrieves and displays images that are asserted or inferred to be depictions of the selected class (via <http://xmlns.com/foaf/0.1/depicts>)
- Makes use of reasoner (but ELK is not yet compatible)

Viewing images for 'head'

The screenshot displays the OBO Library web interface for the ontology `hao` (URL: <http://purl.obolibrary.org/obo/hao/2012-07-19/hao.owl>). The interface includes a search bar and navigation tabs for Entities, Classes, Object Properties, Data Properties, Individuals, DL Query, OntoGraf, Images, Rules, Annotation, Image Annotations, Phenex, and SPARQL.

The **Class hierarchy: head** panel shows a tree structure of classes. The `head` class is highlighted under the `organism subdivision` hierarchy. The **Description: head** panel shows the following properties:

- Equivalent To: +
- SubClass Of: +
 - `part_of some body`
 - `tagma`
- SubClass Of (Anonymous Ancestor):
- Members: +
- Target for Key: +
- Disjoint With: +

The **Image depictions: head** panel shows two image depictions:

- `fig_9520.svg`: A detailed illustration of a wasp head and thorax.
- `fig_9519.svg`: A photograph of a wasp head and thorax.

The bottom status bar indicates "Reasoner active" and "Show Inferences" is checked.

<http://purl.obolibrary.org/obo/hao.owl>

Image depiction assertion

The screenshot displays the Hao ontology browser interface for the ontology `hao` (URL: `http://purl.obolibrary.org/obo/hao/2012-07-19/hao.owl`). The interface includes a search bar and a navigation menu with tabs for Entities, Classes, Object Properties, Data Properties, Individuals, DL Query, OntoGraf, Images, Rules, and Annotation.

The **Individuals: fig_9519.svg** tab is active, showing a list of individuals. The selected individual, `fig_9519.svg`, is highlighted. Below the list, the **Entity URI: fig_9519.svg** is shown as `http://api.hymao.org/api/figure/fig_9519.svg`.

The **Annotations: fig_9519.svg** tab is also active, showing a list of annotations. The selected annotation, `depicts some head`, is highlighted. Below the list, the **Description: fig_9519.svg** is shown as `Image` and `depicts some head`. The **Property assertions: fig_9519.svg** tab is also active, showing a list of property assertions. The selected property assertion, `depicts some head`, is highlighted.

The interface also includes a footer with the text: "To use the reasoner click Reasoner->Start reasoner" and a checkbox for "Show Inferences".

See also:

- <http://purl.obolibrary.org/obo/uberon/depictions.owl>