

Update 17-08-22

Last 3 weeks

galaxy2janis available on PyPI

```
pip install galaxy2janis
```

galaxy2janis github complete

<https://github.com/GraceAHall/galaxy2janis>

- installation instructions
- sample data
- documentation

Current work

Planning janis development

- Internal Model
- How current tech will be bundled into useable modules
- Deciding which features should stay, which should go
- Myself, Richard and Michael currently involved

Next steps

Integration of galaxy2janis | janis

- Interim goal is to contain galaxy2janis within janis
- allows ingestion via `janis` rather than `galaxy2janis`
- potentially can extend the output definition formatting to WDL / CWL translations

Janis overhaul

- Current goal is translation of Nextflow / Galaxy / CWL / WDL
 - The janis model needs vast changes to support these specs:
 - More generalised & simplified model
 - Technology properly bundled into modules
 - Model changes needed because of janis scope change & development history
 - Design plans underway
- <https://drive.google.com/file/d/1EZ70ps1zm1L4VOqOeaTeJ0zOP6IfD0k4/view?usp=sharing>

How development should proceed

(previous development)

- Janis was built based on CWL
- Janis <-> CWL ingestion / translation is straightforward (internally quite similar)
- Adding full WDL support required vast changes to core model
- Main reason - WDL had unexpected fundamental differences
- This development style follows the 'agile' methodology, but this doesn't suit our goals.
 - Changing core code base is time-consuming and should be avoided at all costs
 - Do not want vast changes to model each time we add a specification

(current development)

- Our development should consider all 4 languages from beginning to avoid a repeat.
- Model should be a generalisation
- Should be as **simple** as possible and built from the most primitive entities
- Should be segregated so that core entities do not need to change when a new language is supported as possible