

# A Semantic, Task-Centered Collaborative Framework for Science.

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**1 Task Representation**

**2 Task Metadata**

**3 Task Navigation**

**4 Personal Worklist**

**5 Subtask Navigation**

**6 Timeline Navigation**

**7 Task Alert**

**8 Task Management**

**10 Task State**

**Your Overdue Tasks**  
Write about the evaluation  
a day ago

**Obtain meteorological data for North Temperate Lakes**

- Collect Downwelling longwave radiation data for North Temperate lakes
- Collect air temperature data for North Temperate lakes
- Collect relative humidity data for North Temperate lakes
- Collect wind speed data for North Temperate lakes
- Collect rainfall data for North Temperate lakes
- Collect snowfall data for North Temperate lakes
- Collect Downwelling shortwave radiation data for North Temperate lakes
- Format meteorological data for model input
- QAQC meteorological data

**Task Management**

- Type<sup>M</sup> medium
- Progress<sup>M</sup> 48%
- Start date<sup>M</sup> 1st Oct 2014
- Target date<sup>M</sup> 1st Dec 2014
- Owner<sup>M</sup> Jordan Read
- Participants Paul Hanson, Jordan Read, Craig Snortheim
- Expertise hydrodynamic modeling

Legend: M Mandatory | States: ■ Not defined, ■ Valid, ■ Inconsistent with parent

Tool Comparison				
Category	Tool	Community support	Mainly task oriented	Semantic organization
Forum	V-Bulletin Forum	Yes	No	No
	WordPress bbPress	No	No	No
	WordPress p2 Theme	No	No	No
	Stackoverflow	Yes	No	No
	Mathematics	No	Yes	No
Wiki	MediaWiki	Yes	No	No
	Semantic MediaWiki	Yes	No	Yes
Enterprise Knowledge Management	Confluence	Yes	Yes	No
	Connections	No	Yes	No
	Jive	No	Yes	No
	MS SharePoint	No	Yes	No
	Communito	No	No	No
ToDo Lists	Yammer	No	No	No
	Trello	No	Yes	No
	Keep	No	Yes	No
Repositories	Todoist	No	Yes	No
	GitHub	Yes	No	No
	BitBucket	Yes	No	No
Organic Data Science	Google Code	Yes	No	No
	Organic Data Science Wiki	Yes	Yes	Yes