A metadata analysis for machine-actionable Software Mng Plans - Poster

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ELIXIR Software Management Plans

Questions and answers to handle research software management

- ELIXIR Good Practices Focus Group
- Identification of stakeholders
- Low-barrier → from scripts to applications
- Text-based

- Accessibility
- Documentation
- Testing
- Interoperability
- X.Y.Z Versioning
- Recognition

Metadata analysis of maSMP requirements

SMP Document		Agree	Disagree
title	Text		
description	Text		
creation date	Date		
modification date	Date		
author	Person or Organization		

has 1

Dataset / Parameter		Agree	Disagree
standard used	E.g., FASTA		
url	URL		

input >= 0 output >=0

Source code repo		Agree	Disagree
Programming language	Text or Computer Language		
url	URL		
version	Text		
author	Person or Organization		

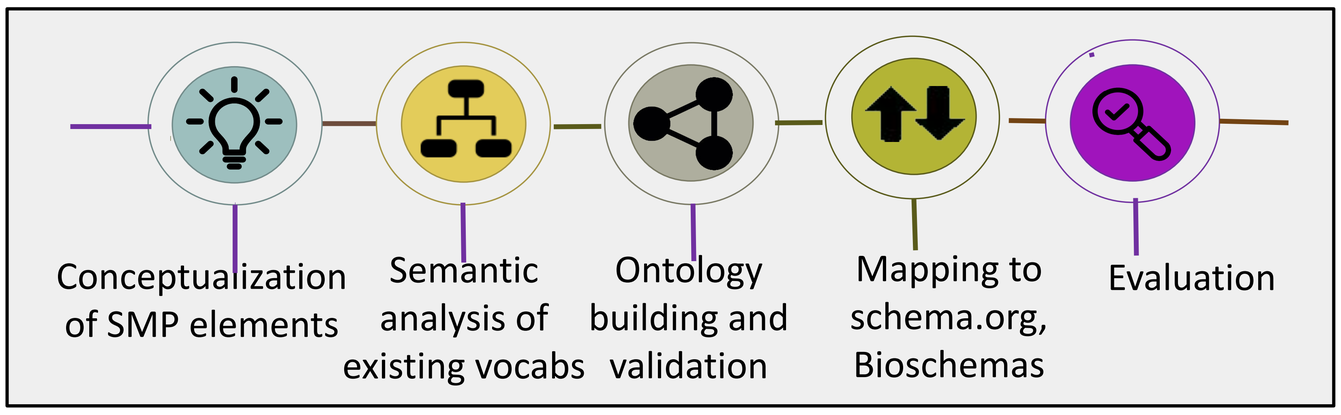
has >= 0 has 1

Citation info		Agree	Disagree
url	URL		

has 1

Software Release		Agree	Disagree
name	Text		
description	Text		
license	Text or URL		
release notes	Text or URL		
version	Text		
dependencies	Thing		
hardware requirements	Text		
environment	Thing		
API documentation	URL		

maSMP roadmap



has 1 of each

uses 1

User/Developer documentation		Agree	Disagree
description	Text		
url	URL		
author	Person or Organization		

Version control		Agree	Disagree
name	Text		
url	URL		

is in >= 0

Software registry/directory		Agree	Disagree
url	URL		

has 0 or 1

Bug/New issues report		Agree	Disagree
description	Text		
url	URL		

has >= 0

Testing		Agree	Disagree
testing tool	Software		
name	Text		
url	URL		
testing type	Text: usability, unit, black-box, functional, non-functional, compatibility, regression, smoke, integration, lintin, end-to-end, frontend GUI		

input >= 0

output >= 0

Dataset / Parameter		Agree	Disagree
standard used	E.g., FASTA		
url	URL		