

ELIXIR CZ Annual Conference 2017

ELIXIR Interoperability Platform @ ELIXIR CZ Node Robert Pergl, Marek Suchánek



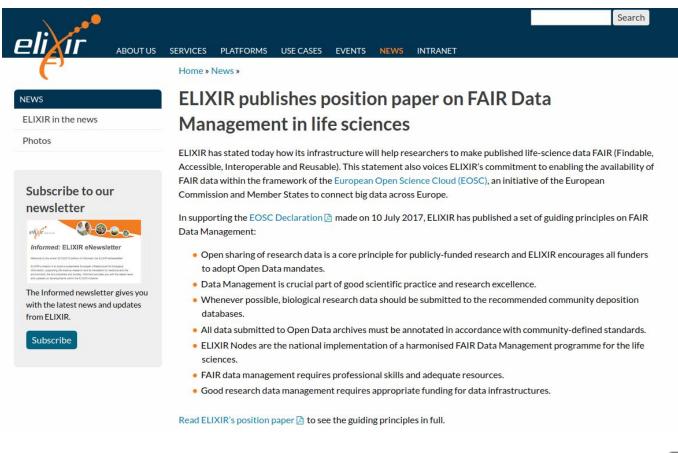


15th November 2017

Data Stewardship and Data Management

FAIR Initiative participation in ELIXIR CZ & Globally

https://www.elixir-europe.org/news/position-paper-fair-data-management







Foundational Ontologies

- A powerful interoperability tool for life sciences
- Reasoning about data semantics, verification and validation





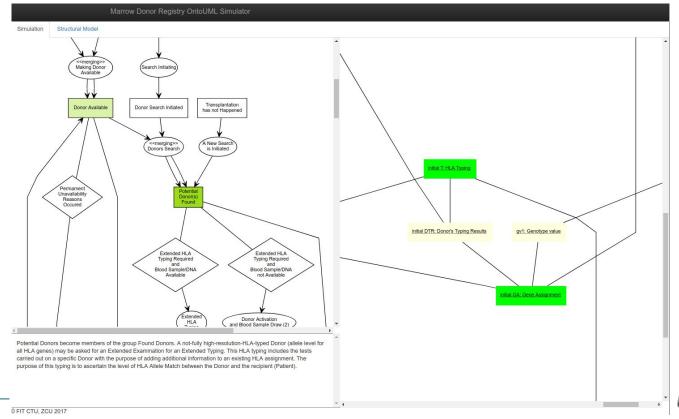
OntoUML community portal



Foundational Ontologies

Flashtalk:

Pergl R., Houdová L., Fetter M Ontological Analysis of Marrow Donor Registry





MINISTERSTVO ŠKOLSTVÍ MLÁDEŽE A TĚLOVÝCHOVY

Software Tools Supporting Interoperability

https://dmp.fairdata.solutions/

Login | Register



DATA STEWARDSHIP WIZARD v0.9.3. KM: 2017-08-21

Data Management Plans for FAIR Open Science

Design of experiment Data design and planning Data Capture/Measurement Data processing and curation Data integration

Data interpretation | Information and insight

Questionnaire generated from the precompiled JSON of Data Stewardship Knowledge Model. This is a proof-of-concept work not intended for serious use, yet.

Please register to receive updates. The functionality coming soon:

- Linking with the book
- Generating reports

Privacy notice: Your personal and all other data are considered private and will not be shared with any third parties. Statistical information based on your data may be shared and published.

Technical contacts

Data stewardship action team

Links

Robert Pergl Marek Suchánek











ELIXIR Europe ELIXIR Nodes

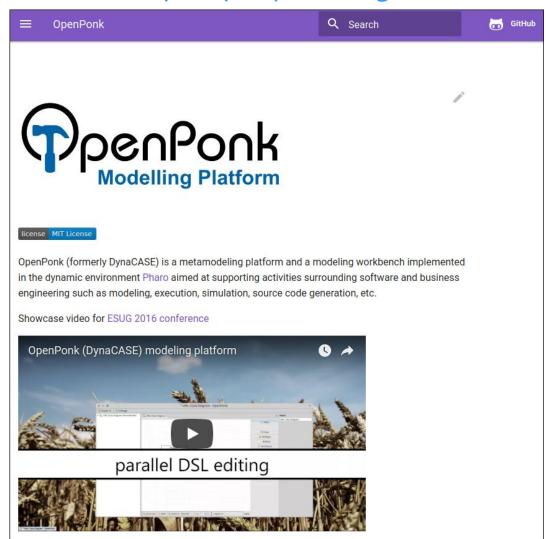
Crafted with GHC & Haste, powered by Scotty





Software Tools Supporting Interoperability

http://openponk.org

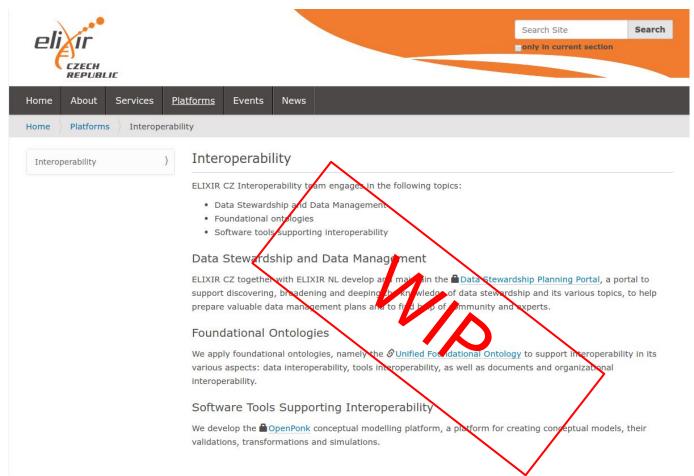






Further info

https://www.elixir-czech.cz/platforms/interoperability







DSP: Vision and Knowledge Model

- What do I need to know in order to create a good Data Stewardship Plan?
- How to make my data FAIR?
- Make it simple but still exhaustive (not for users!)
 - Smart behaviour
 - Interactive branches
 - Options, examples, advices, experts
- Extensible, evolvable and FAIR knowledge model
 - Core with generic questions and knowledge
 - Localizations for specific fields, geopolitics, ...





DSP: Wizard

- Current "client" for browsing the knowledge model
- Haskell-based web application
- Interactive guiding through the questions
- Register & login functionality
- Save & load answers manage multiple plans

https://dmp.fairdata.solutions





DSP: Future work

- Implementation Study under the Training Platform (Jan 2018, 18 months)
 - Functionality development
 - Content development
 - Trainings
- Theses @ FIT CTU exploring various approaches
- Currently developing:
 - distributed modular architecture
 - simple-to-use knowledge model editor
- Future (depends on the community needs):
 - certifications, publishing plans, etc.



DSP: Integrations

- Linking and integration with other ELIXIR or 3rd party services and resources
- The Book: Data Stewardship for Open Science: Implementing FAIR Principles (Barend Mons)
- Open Science Framework (WIP)
- Other ELIXIR projects (future):
 - ELIXIR eLearning platform (ELIXIR-SI)
 - Virtual Coffee Room (ELIXIR-ES)
 - •





DSP is Yours!

- Play around with Data Stewardship Wizard
- Create your plan base on your (or imaginary) case
- Please give us feedback!
- Robert Pergl: <u>robert.pergl@fit.cvut.cz</u>
- Marek Suchánek: <u>marek.suchanek@fit.cvut.cz</u>
- https://github.com/DataStewardshipPortal
- https://dmp.fairdata.solutions







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