

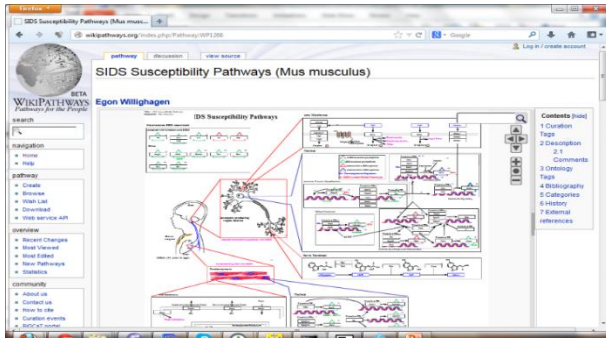
# Beyond Open PHACTS

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# Open PHACTS Hackathon



Select a **pathway** that is known to wikipathways

Gene products in entrez gene

## BridgeDb

Maps gene product numbers to Ensembl numbers

Ensembl Numbers



Cross-reference UniProt numbers with our **experimental pages**

UniProt Numbers



Display using IO Informatics Knowledge Explorer



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# Open PHACTS Value:

- Software
  - Allows publication of an API over a common ontology
  - Merges data from multiple sources
- Data
  - Curates and combines data from many sources
  - Identity mapping
- Community
  - People who have committed to Open PHACTS
  - as contributors
  - as users



# Open PHACTS Challenges

- Software
  - Software wears out. How do we maintain it?
  - Can we apply it to new domains beyond OPF?
- Data
  - Constantly growing/evolving
  - Distribution rights
- Community
  - This is the key to the future



# Specific Challenge: GODAN

- GODAN (Global Open Data for Agriculture and Nutrition)
- Sharing data for Agriscience
- What data? How? Who?
- Can Open PHACTS be extended to this?
  - Software?
  - Data?
  - Community?



# Legacy

- Open PHACTS was ahead of its time
- Success in all three areas
  - Software
  - Data
  - Community



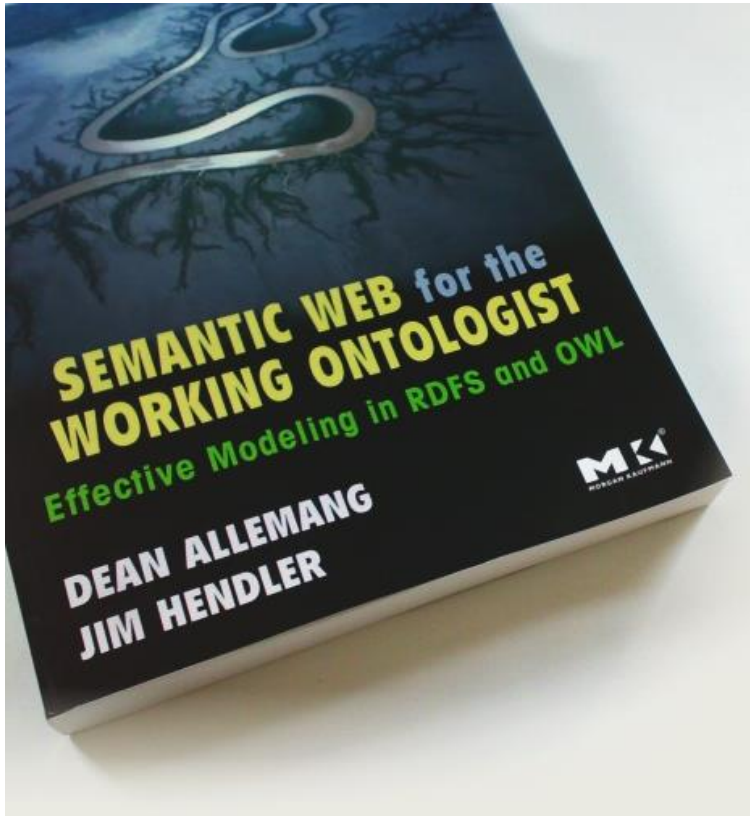
# Thank you!

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