Beyond Open PHACTS

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Select a pathway that is known to wikipathways

Cross-reference Uniprot numbers with our experimental pages

Gene products in entrez gene

BridgeDb
Maps gene product numbers to Ensembl numbers

Ensemble Numbers

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

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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!

Working Ontologist, LLC.

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