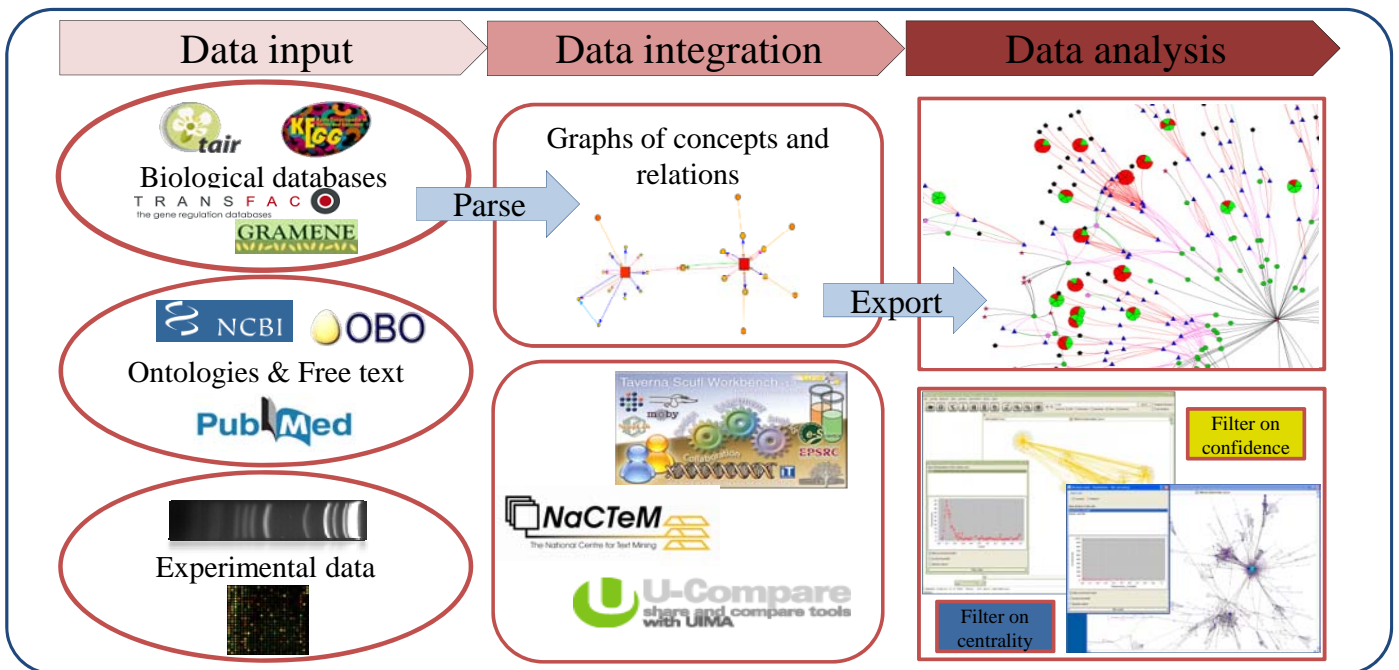


The Ondex SABR project

From data to knowledge – the Ondex System for integrating Life Sciences data sources



Ondex is a data integration and analysis tool that represents information as a network of entities and relations, complemented by a meta-information layer describing their types and properties. Ondex provides a set of modules, specific to databases and other data sources, that extract from these entities and relations, and map them in a coherent network representation. It also provides modules that derive such information through text-mining techniques. Data consistency is assured by specific consistency checks. The execution of data integration pipelines can be configured and executed through Web services via Taverna (www.mygrid.org.uk/tools/taverna). More advanced text analysis workflows will be developed using U-Compare text analysis workflow engine (u-compare.org). The development of Ondex is supported by the Ondex SABR project, which addresses three systems biology use cases, as shown below.



Bioenergy crop improvement
<http://www.biomass4energy.org>

Telomere function relating to ageing
<http://www.cisban.ac.uk/aims.html>

Yeast metabolome models
<http://www.mcisb.org/research.html>

www.ondex.org

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Acknowledgements: This work was supported by BBSRC Grants BBS/B/13640 & BB/F006039/1.

Sophia Ananiadou, Catherine Canevet, Simon Cockell, Luna De Ferrari, James Dewar, Paul Dobson, Ian Dunlop, Paul Fisher, Carole Goble, Igor Goryanin, Keywan Hassani-Pak, Stephen Hanley, Matthew Hindle, Eva Holstein, Katherine James, Angela Karp, Shao Chih Kuo, Gina Levow, Philip Lord, David Lydall, Artem Lysenko, Pedro Mendes, Andrew Millar, Georgina Moulton, Raheel Nawaz, Matthew Pocock, Chris Rawlings, Mansoor Saqi, Robert Stevens, Andrea Splendiani, Jan Taubert, Jochen Weile, Darren Wilkinson, Alan Williams, Anil Wipat, David Withers, Katy Wolstencroft.

