



# Towards Using Explicit Semantics in Life Science Workflows

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#### Goals



- To detect common problems in bioinformatics (from our experience): Lack of Semantics
- To propose architecture to build workflows composed of semantic web services

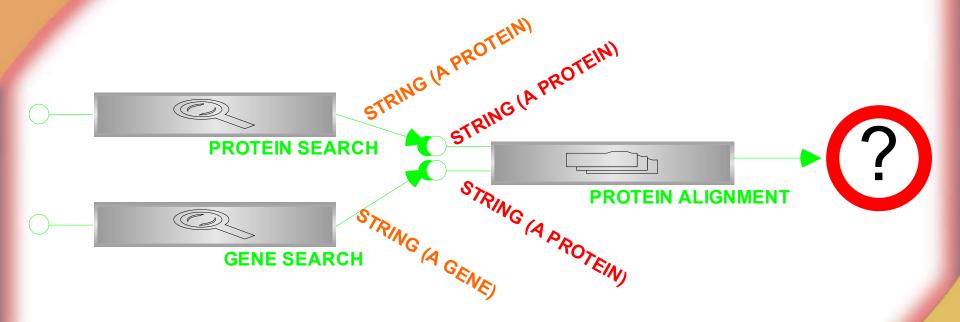






## Lack of Semantics





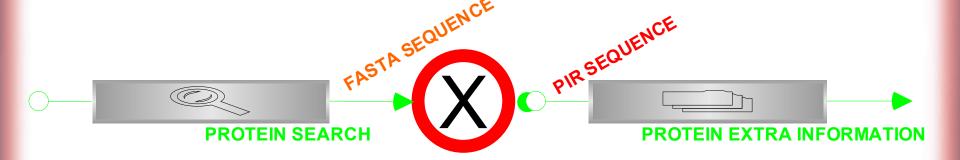


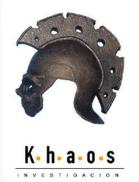




### Lack of Semantics





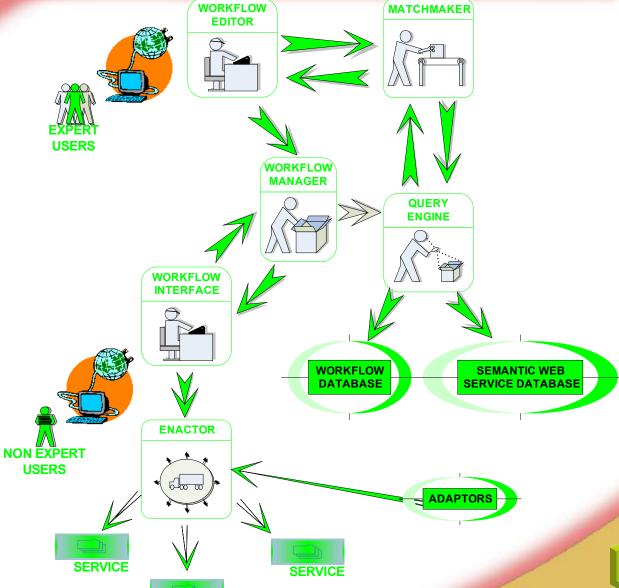






# **Proposed Solution**





**SERVICE** 

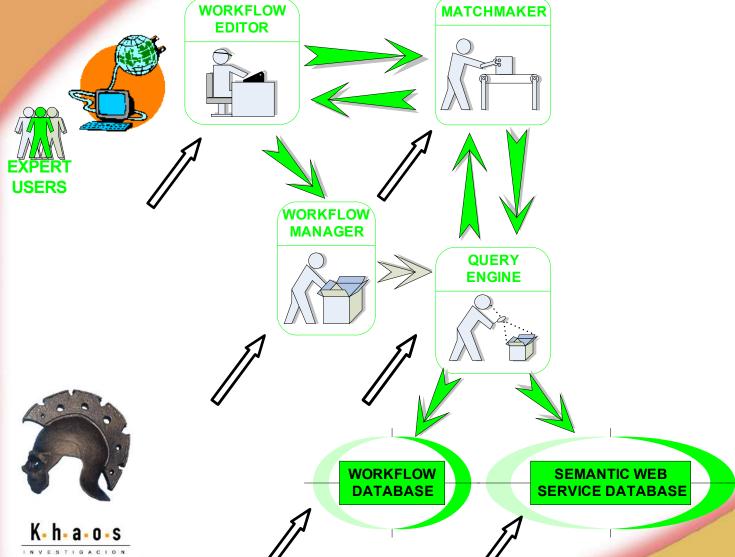




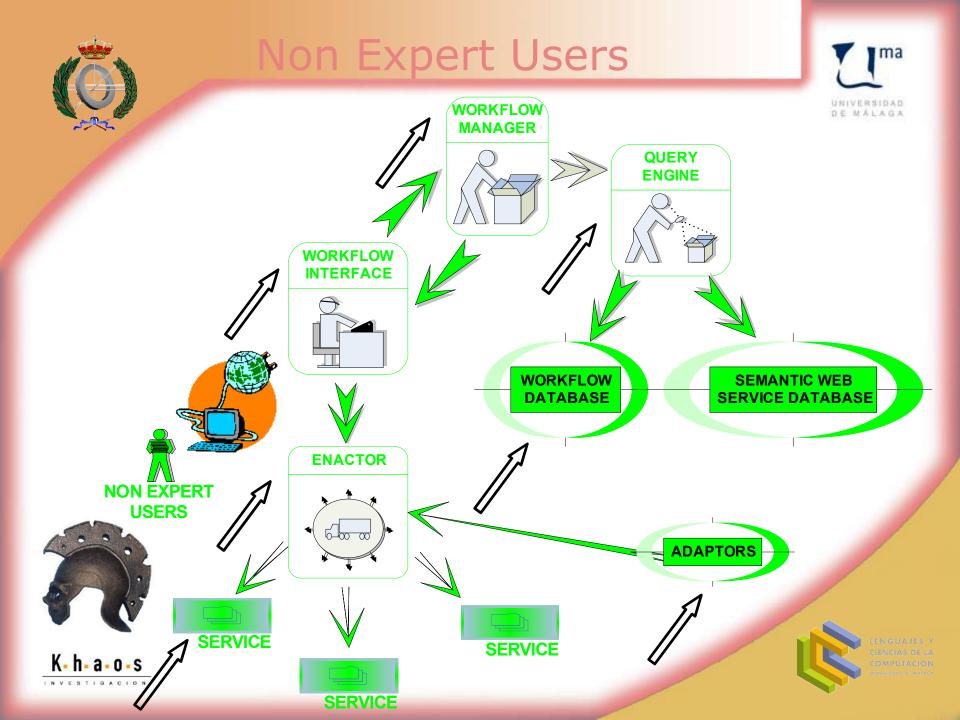


# **Expert Users**





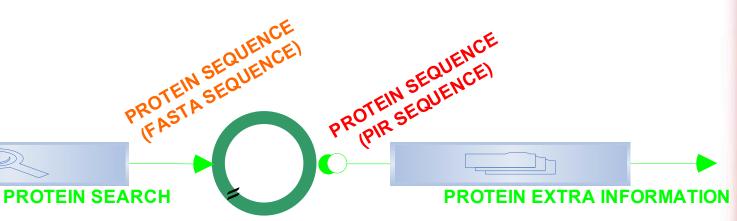






# Adaptors





**ADAPTOR: FASTA TO PIR** 







#### Contact



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THANKS.

