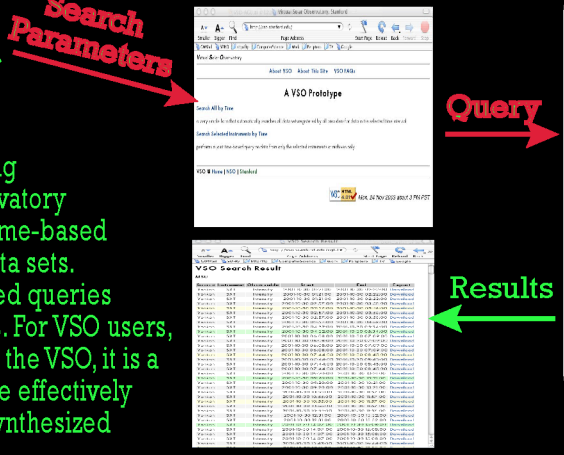
VSO 0.5: A Working Demonstration with Distributed Queries

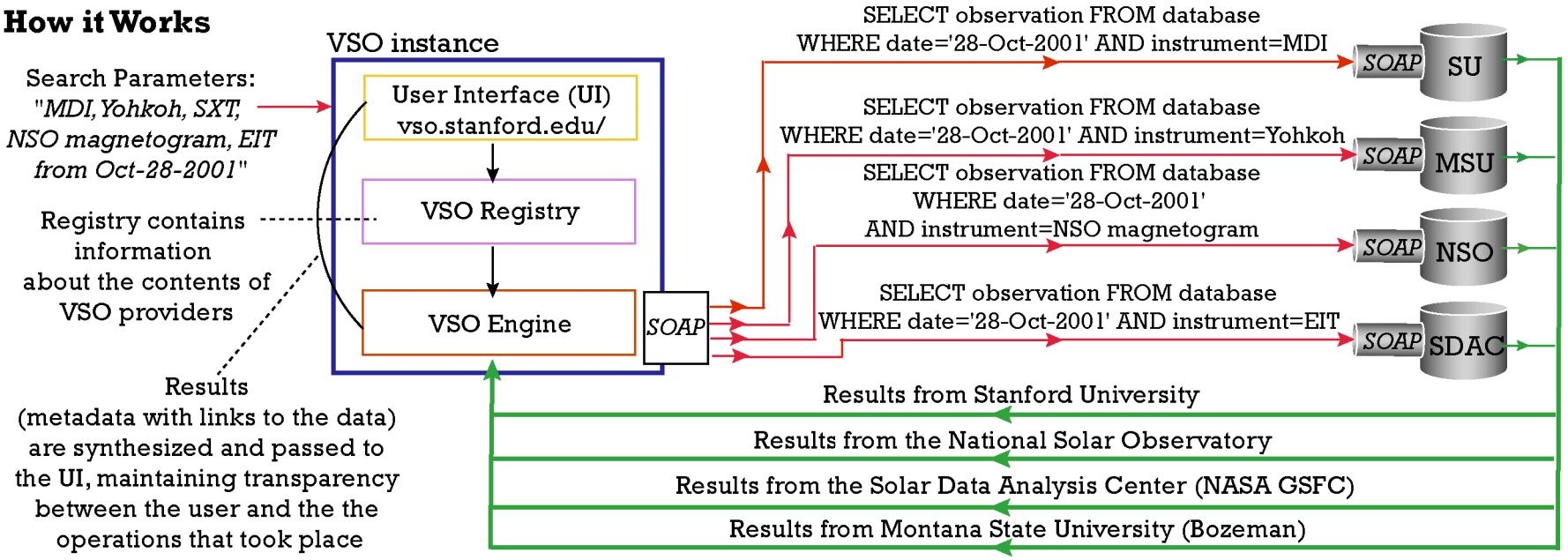
The VSO Team*

ABSTRACT

The VSO prototype has already demonstrated the capability of unifying geographically distributed data sources following the Web Services paradigm and utilizing mechanisms such as the Simple Object Access Protocol (SOAP). So far, four participating sites (Stanford, Montana State University, National Solar Observatory and the Solar Data Analysis Center) permit web-accessible, time-based searches, allowing browsing access to a number of diverse data sets. Our latest work includes the extension of the simple, time-based queries to include numerous other searchable observation parameters. For VSO users, this extended functionality enables more refined searches. For the VSO, it is a proof of concept that more complex, distributed queries can be effectively constructed and results from heterogeneous remote sources synthesized and presented to users as a single, virtual data product.



How it Works



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