

# VxO

1. Virtual Observatories: A NASA initiative to sequentially revitalize data distribution and archiving: Responds to recommendation by NASA's Roadmap Committee
2. Based on competitively-funded community efforts and the concept of a distributed data system providing search, retrieval, portrayal, and analysis tools.
3. Status:

Funded: VSO (Virtual Solar Observatory)  
Community Meeting, 12/6/2002 AGU

Study (APL): Virtual ITM Observatory

Study (GSFC): Virtual Magnetospheric Obs.

Study (GSFC): Virtual Heliospheric Obs.

## VSO FundingProfile

<u>Year</u>	<u>US \$K</u>
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2002	160
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2003	450
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2004	453
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2005	160
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total	1223
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# Aspects of the VSO

(see [umbra.nascom.nasa.gov/vso/](http://umbra.nascom.nasa.gov/vso/))

## Participants:

Montana State University (Martens)

Yohkoh

National Solar Observatory (Hill)

Gong, Gong+, Solis

Solar Data Analysis Center (Gurman)

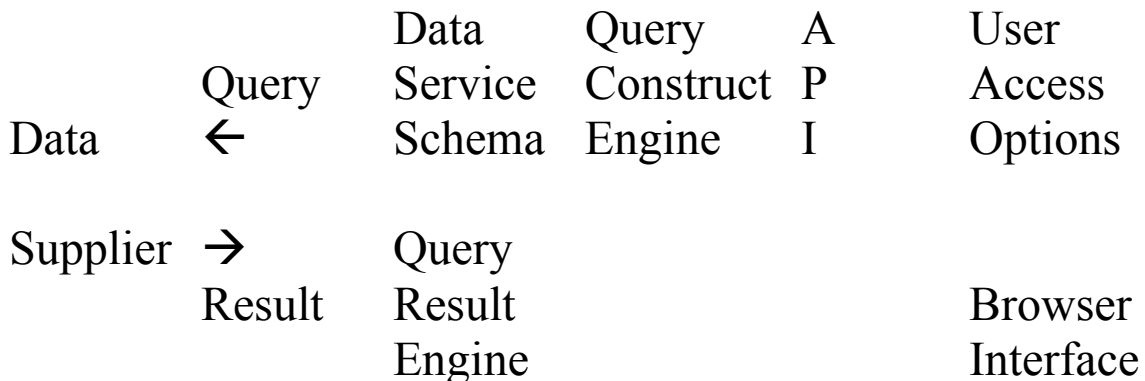
SOHO

SDAC+\$ → SDO

Stanford University (Bogart)

MDI, Wilcox, Solar Obs.

Others (TBD)



## ‘VSO Basic Principles’

1. Construct a prototype
2. Build from the bottom up
3. Satisfy minimum requirements, not maximum
4. Base on community input
5. Search, Discovery, Query
6. Multiple interfaces
7. Leverage existing resources and services
8. Permit more experienced users to skip using VSO
9. Ability to expand

NO: Central Catalog, Grid computing, access restrictions

YES: Catalog Caching, multiple sites, logging searches to determine needs