

Sustaining a Geospatial Science Gateway

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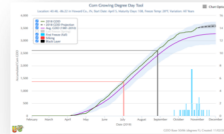
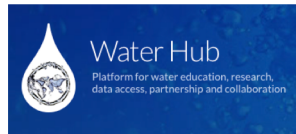


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Award #1261727

MyGeoHub - A Geospatial Science Gateway



...

Integrated data management environment with **built-in** geospatial data support

Data visualization builders and tools that require **no programming**

Publication of data and tools (DOI)



Toolkits for rapid application development, **no GIS programming expertise** required

Data service API, interoperability

Easy to use and replicate

hubzero +  G · A · B · B · S
geospatial data analysis building blocks

iRODS

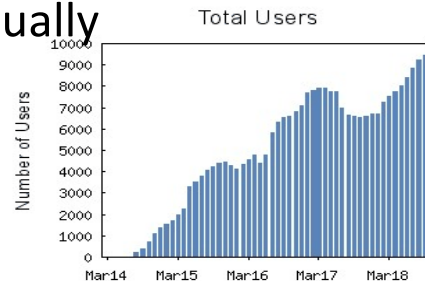


Solr



Current Status

- Always on!
 - Production quality, 24x7 availability,
 - operated by professional staff
- 9000+ users annually



The “S” word – sustainability

Our strategy:

- Business model
- Technical capability allowing --

Co-location of projects on a single gateway – the groups share:

- Hardware
- Software stack
- Cost of hosting

while still have custom

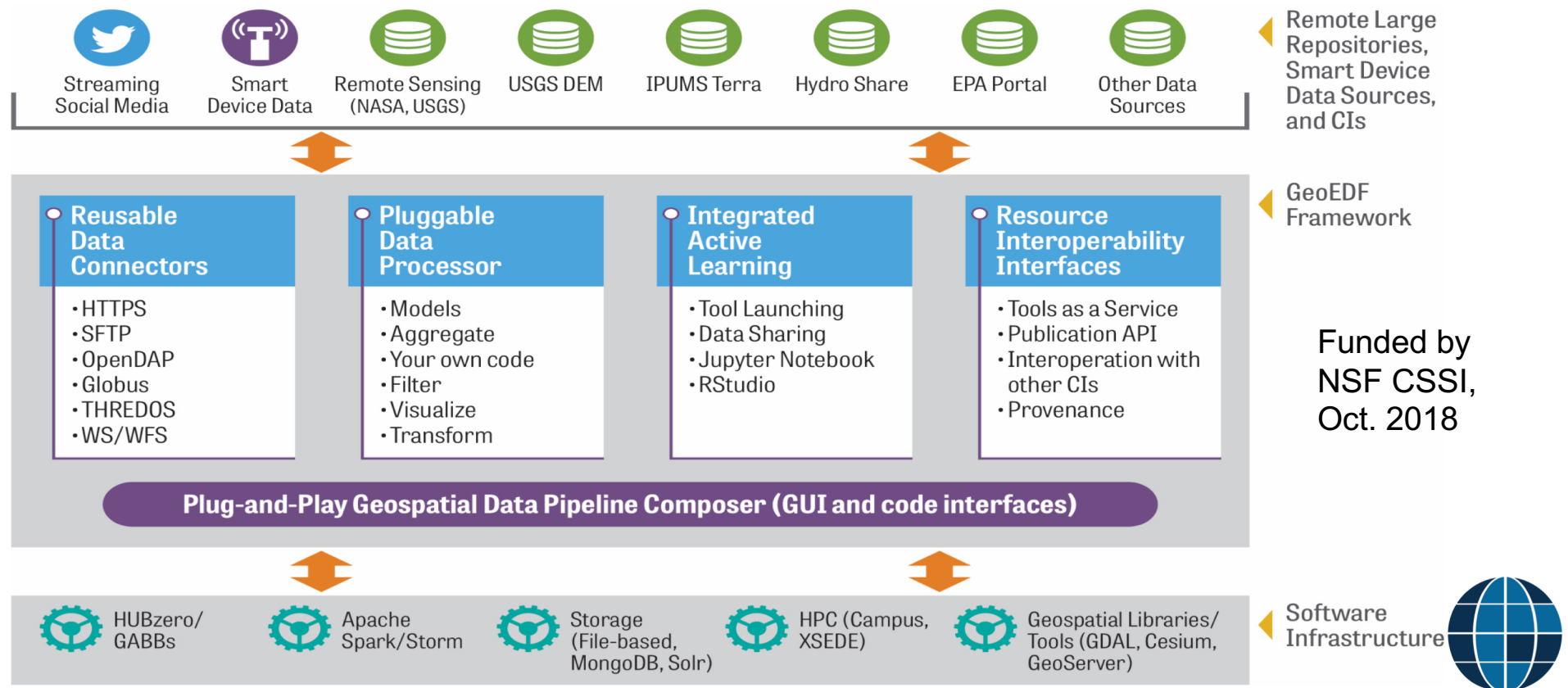
- Group branding
- Group and content management
- Software push schedule

Best of all:

- Project site stays alive during funding gaps
- Projects leveraging each other



Next Phase: Developing an extensible geospatial data framework for Seamless Connections



Information

Publication: GABBs, MyGeoHub & Sustainability

<https://doi.org/10.1016/j.future.2018.02.005>

MyGeoHub: <http://mygeohub.org>

GABBs Geospatial Data Building Blocks project:

<http://mygeohub.org/groups/gabbs>

