MyGeoHub

Geospatial Gateway

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Overview

Various domains/research workflows involve geospatial data

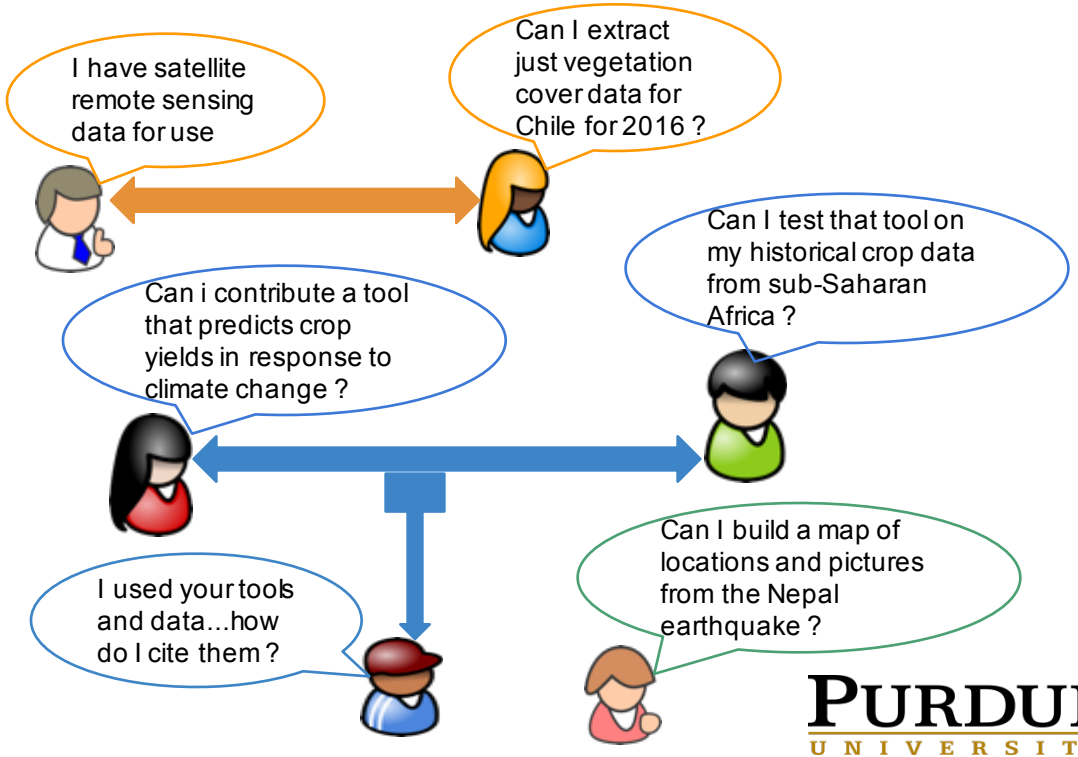
Drought research

Agricultural economics

Climate research

Water quality, hydrology

and more....



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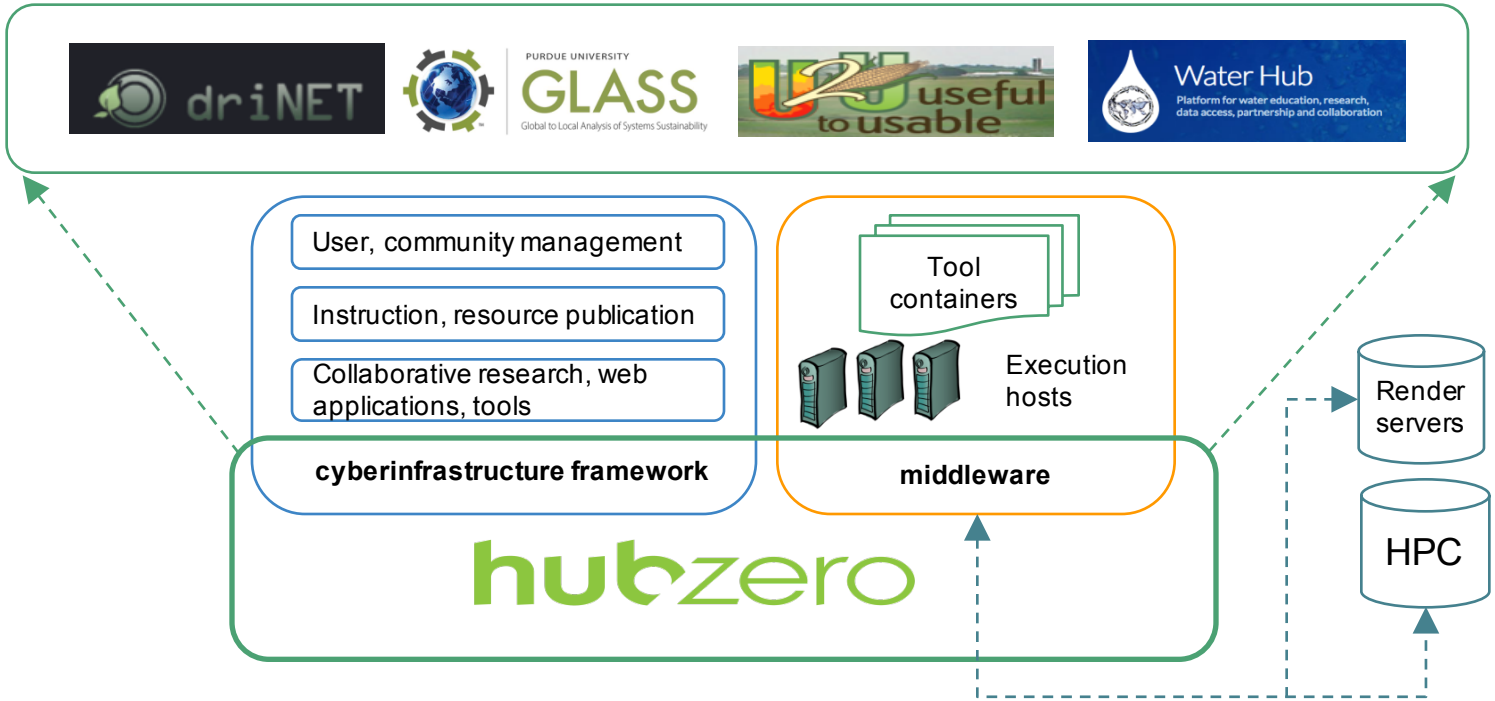
MyGeoHub Geospatial Gateway



Shared hosting of research projects

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Geospatial Data Analysis Building Blocks (GABBs)

- General-purpose software building blocks for geospatial data
- Motivations
  - Allow users to self-manage, share, visualize and publish geospatial data
  - Rapidly create GIS-enabled tools
  - Build dynamic workflows connecting data and tools even with minimal GIS experience
  - More importantly…don't reinvent the wheel !

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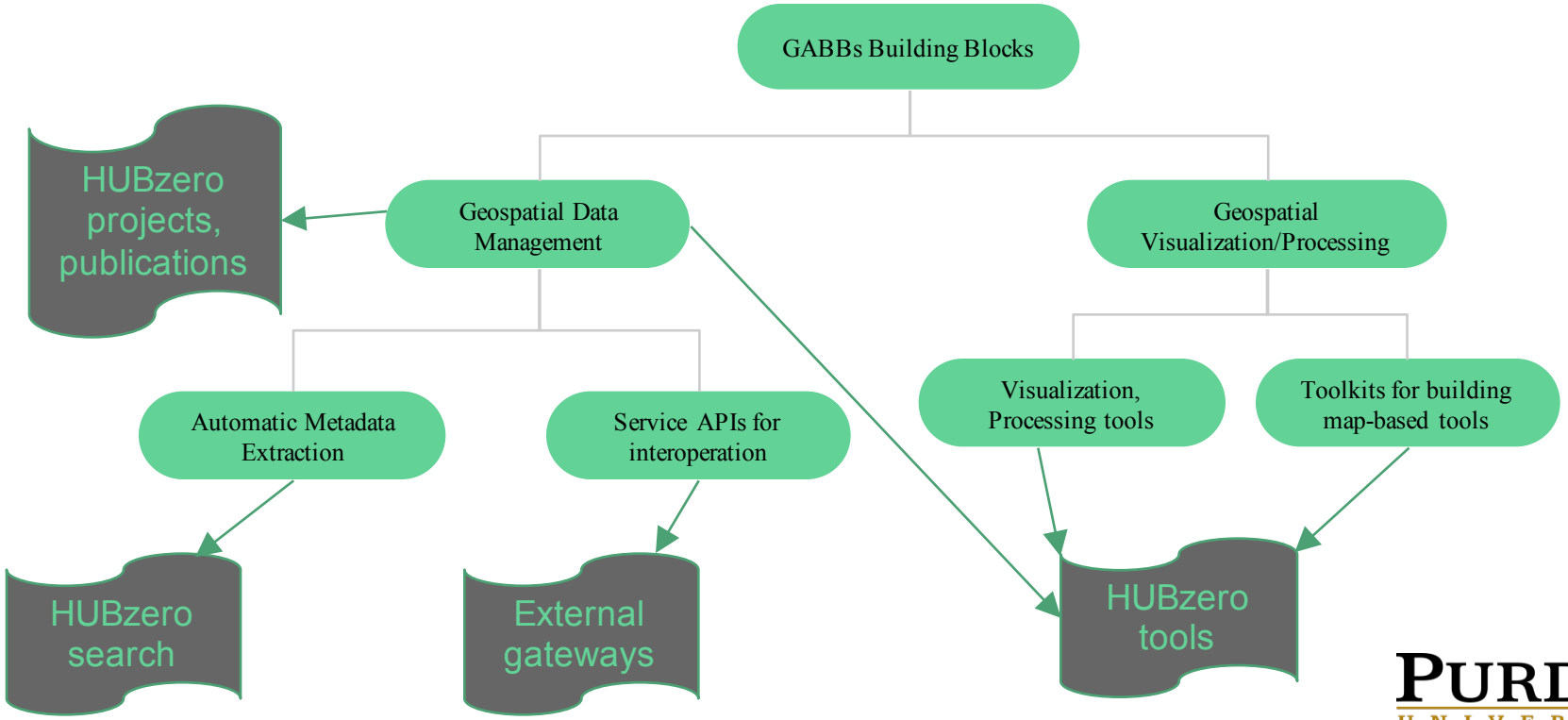
What is GABBs ?



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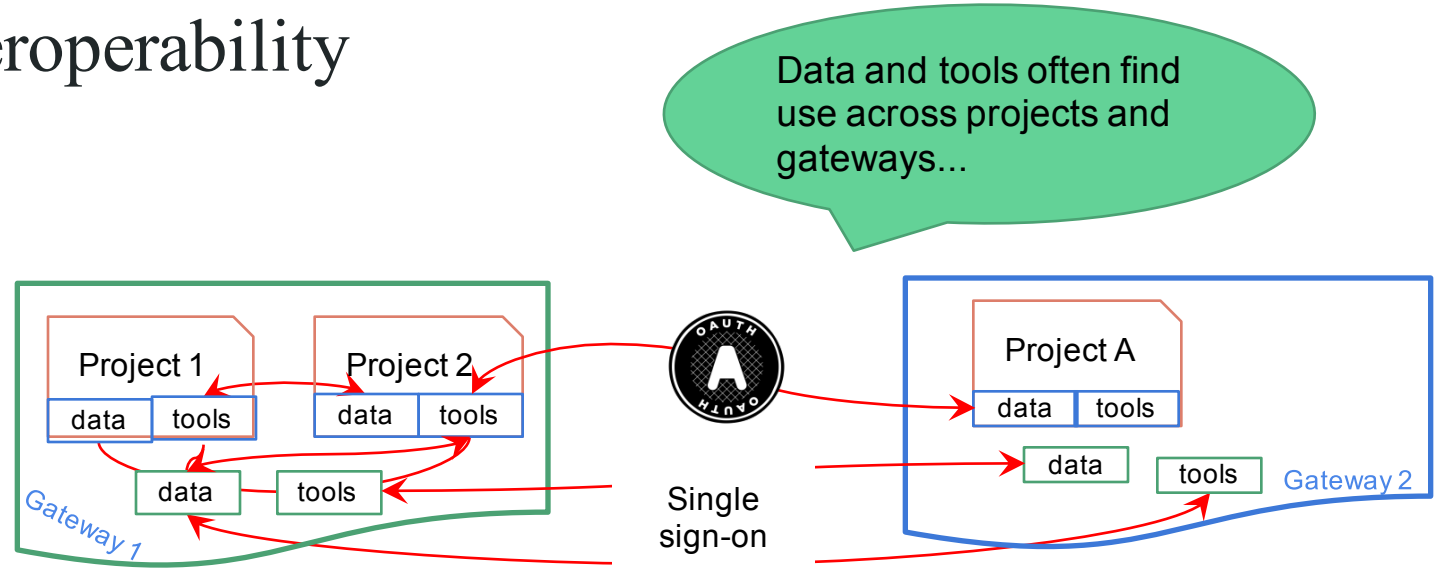
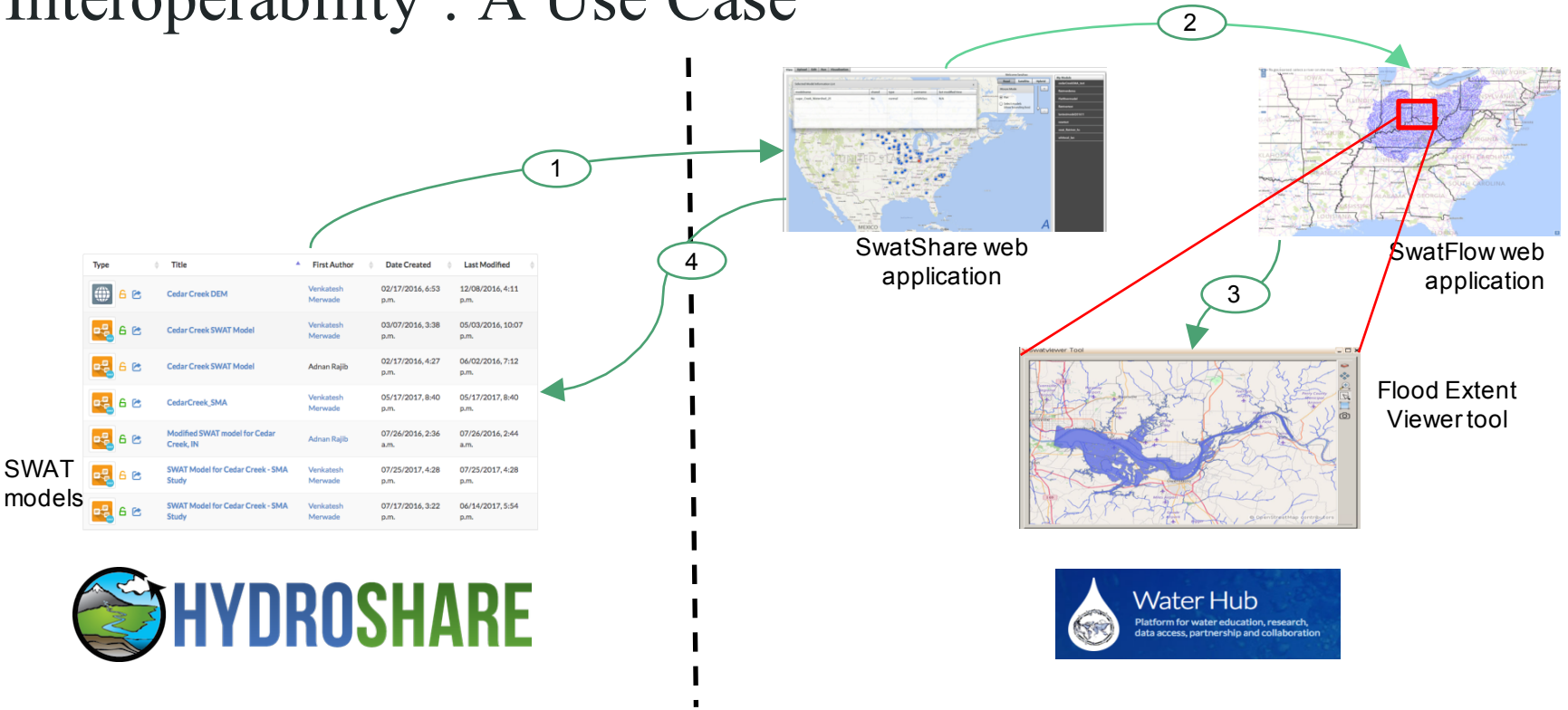
Interoperability



Interoperability : A Use Case



Acknowledgments

This work was supported by the NSF Award ACI - 1261727
CIF21 DIBBs : Integrating Geospatial Capabilities into HUBzero

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

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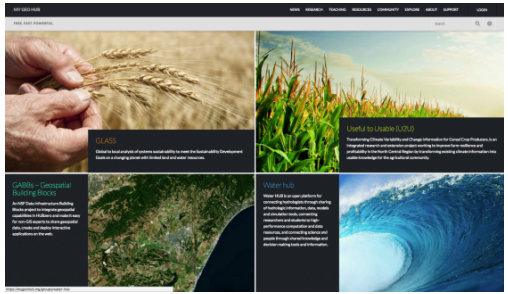
Wrap-up



MyGeoHub Gateway

- Free, public science gateway
- Active deployment platform for GABBs

Open-source install

- GABBs packages for CentOS, RedHat
- Install on any HUBzero 2.x gateway

Cloud computing

- AWS CloudFormation template
- Fully-automated install of GABBs-enabled gateway in 40 minutes

http://mygeohub.org

http://mygeohub.org/groups/gabbs/release

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