

The DOLCe Initiative

Connecting libraries and advanced computing

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University of Texas at Austin Libraries (UTL)

Data services focused on supporting University of Texas (UT) researchers.

- Consultations
- Workshops
- The Texas Data Repository



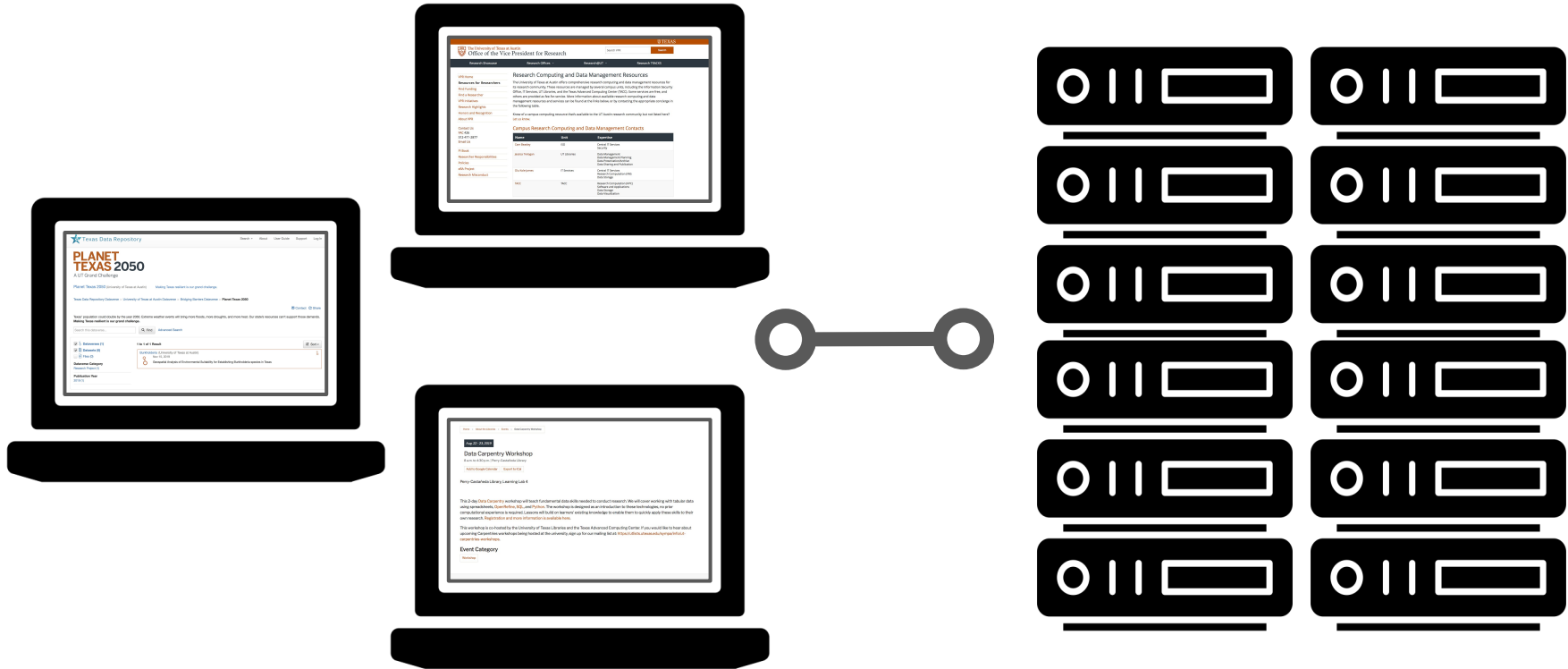
Texas Advanced Computing Center (TACC)

Focused on High Performance Computing (HPC) infrastructure for research.

- HPC and storage systems
- Software tools and Web portals
- Training and consultation in HPC
- Projects with researchers



Support on the desktop and beyond



The Digital Object Lifecycle (DOLCe) initiative

Aligning interests in larger data publication

TACC

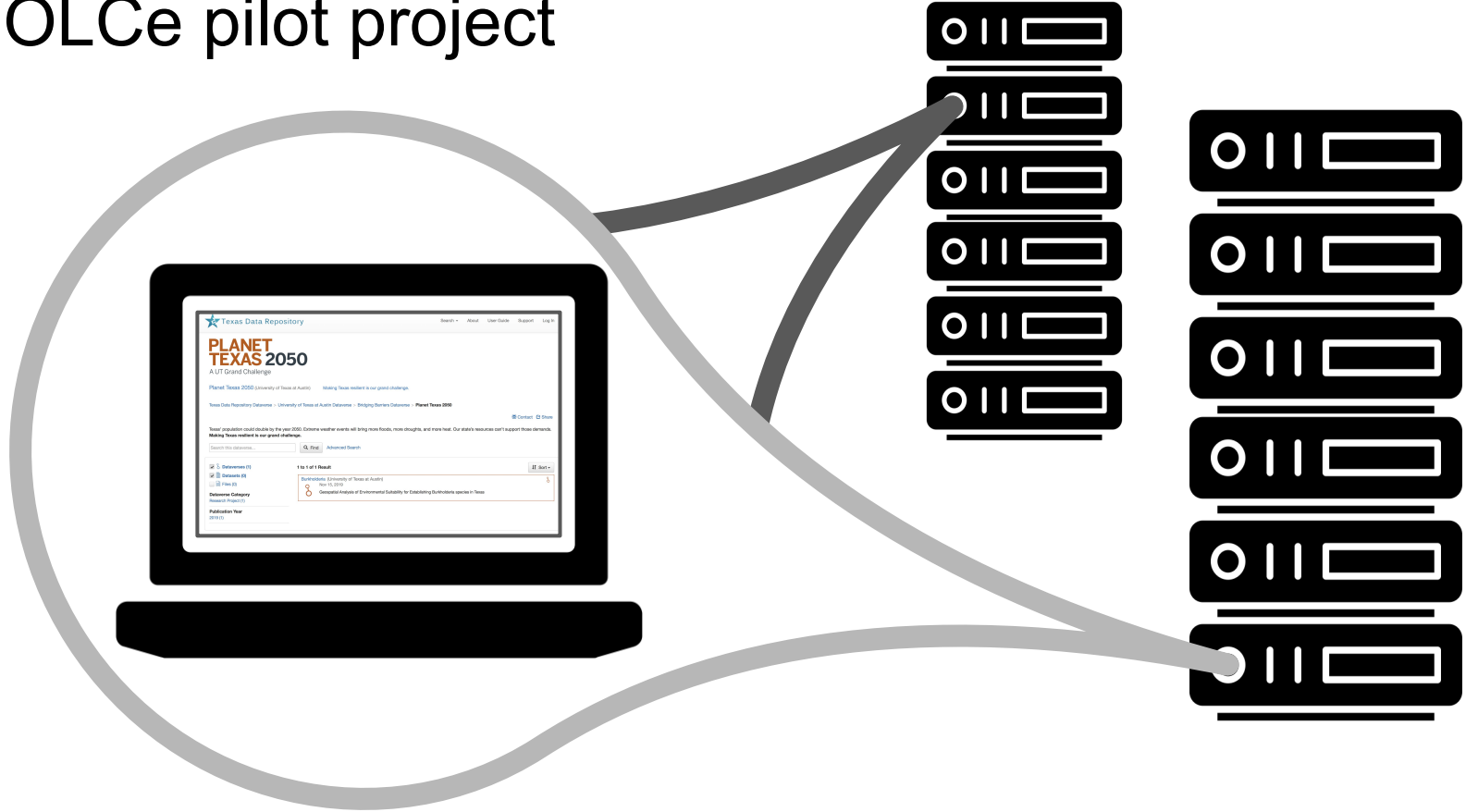
A pipeline for researchers to move from data processing and analysis at TACC to publication with a stewarding organization.



UTL

Supporting UT researchers with publishing larger datasets in the Texas Data Repository.

DOLCe pilot project



DOLCe pilot project



**PLANET
TEXAS 2050**

A UT Grand Challenge



Data & Donuts

Geospatial Edition

Want to learn how to realize the full potential of your geospatial data? Love donuts? Research Data Services is hosting a specially themed Data & Donuts workshop series that is aimed at helping you develop the essential software & data management skills you need to carry out geospatial research.

Drop in 3pm - 4:30pm on the following Fridays at the Perry-Castañeda Library (PCL).

Intro to GIS and Geospatial Data Michael Shensky February 1, 2019 PCL Learning Lab 1	This workshop will provide an explanation of key geospatial terms and concepts and an introduction to geographic information system (GIS) software for visualizing, analyzing, storing, processing, and managing geospatial data.
Finding Geospatial Data Online Michael Shensky February 8, 2019 PCL Learning Lab 1	Learn how to efficiently browse for geospatial data, search for specific datasets to download, and process downloaded datasets to enhance their usability so that you can work with them more effectively in GIS software.
Managing Data with GIS Software Michael Shensky & Jessica Trelogan February 15, 2019 PCL Learning Lab 2	Attend this workshop to learn about different geospatial file formats, database options, and data management best practices so that you can learn how to avoid the pitfalls that often ensnare researchers who are new to working with geospatial information.
R for Geospatial Analysis Emily Beagle February 22, 2019 PCL Learning Lab 1	R is an open source software environment that has evolved from a simple statistical software package into a powerful geospatial tool. Learn how to get started with R and the RStudio integrated development environment for geoprocessing and geospatial analysis at this workshop.
Designing ArcGIS Online Web Maps Michael Shensky & Albert Palacios March 1, 2019 PCL Learning Lab 1	Discover how you can take advantage of the cloud to store and share your geospatial data at this workshop which will teach you the basics of creating custom interactive maps in ArcGIS Online through an activity that allows you to follow along and gain hands on experience.
Map Making with GIS Software Michael Shensky March 8, 2019 PCL Learning Lab 1	This workshop covers the essentials of cartographic design and will walk you through the process of developing your own custom map using open source QGIS software and publicly available datasets.

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The University of Texas at Austin
 University of Texas Libraries

Texas Data Repository

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PLANET TEXAS 2050

A UT Grand Challenge

Planet Texas 2050 (University of Texas at Austin) Making Texas resilient is our grand challenge.

Texas Data Repository Dataserve > University of Texas at Austin Dataserve > Bridging Barriers Dataserve > Planet Texas 2050

Contact Share

Texas' population could double by the year 2050. Extreme weather events will bring more floods, more droughts, and more heat. Our state's resources can't support those demands. Making Texas resilient is our grand challenge.

Search this dataserve... Find Advanced Search

1 to 1 of 1 Result

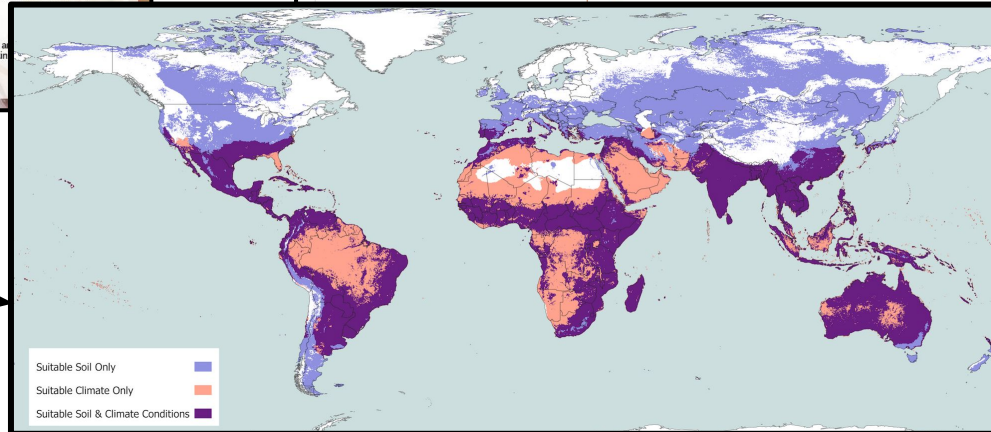
Dataverses (1)

Datasets (0)

Files (0)

Dataserve Category

Burkholderia (University of Texas at Austin)
 Nov 15, 2019
 Geospatial Analysis of Environmental Suitability for Establishing Burkholderia species in Texas



Future work

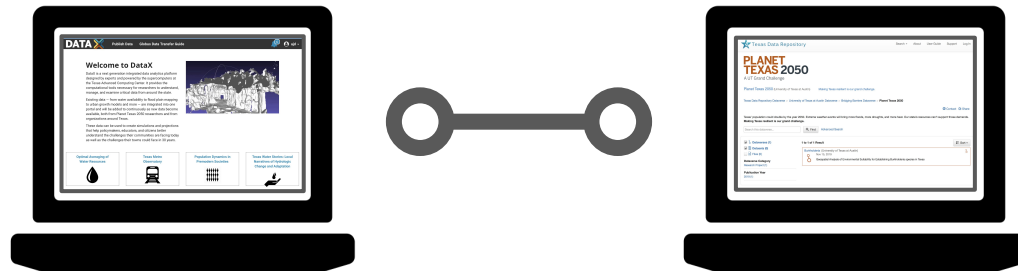
Developing policies for extending the pilot into a service.

- UTL & The Texas Data Repository Steering Committee

Attaching backend digital preservation workflows.

- Chronopolis

Enabling data publication directly from TACC portal interfaces.

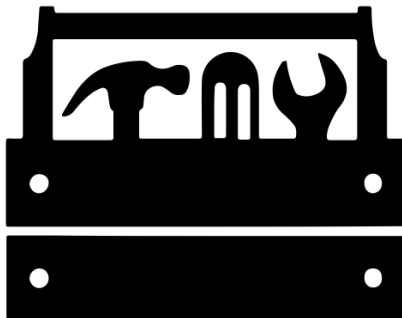


Further ideas

Data collections at TACC

- Making large open datasets available for computationally intensive workflows.

General curation tools



Thank you

- Courtney Mumma Texas Digital Library
- Jim Myers Global Dataverse Community Consortium
- Chris Jordan Texas Advanced Computing Center
- Michael Shensky University of Texas at Austin Libraries

Design credits



Server by Pascal Heß from the Noun Project: <https://thenounproject.com/search/?q=server&i=2831728>



Laptop by Graphic Tigers from the Noun Project: <https://thenounproject.com/search/?q=laptop&i=818871>



Toolkit by Brian Ejar from the Noun Project: <https://thenounproject.com/search/?q=toolbox&i=154266>