Peder Nelson
Sr. Faculty Research Assistant; Sr. Instructor of Geospatial Science
College of Earth, Ocean, Atmospheric Sciences, Oregon State University

Community Engagement with Satellite Imagery

Lessons learned

1. Make a connection to daily life using mobile devices

2. Build a relationship since decision-making with maps/science models is about building confidence and integrating into their own experiences.
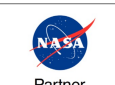
EngageINFEWS Research Coordination Network
NSF award # 1856059

source: ESRI

Data Life Cycle (time)
source:DataOne

1984 2000 2002 2005 2010 2016
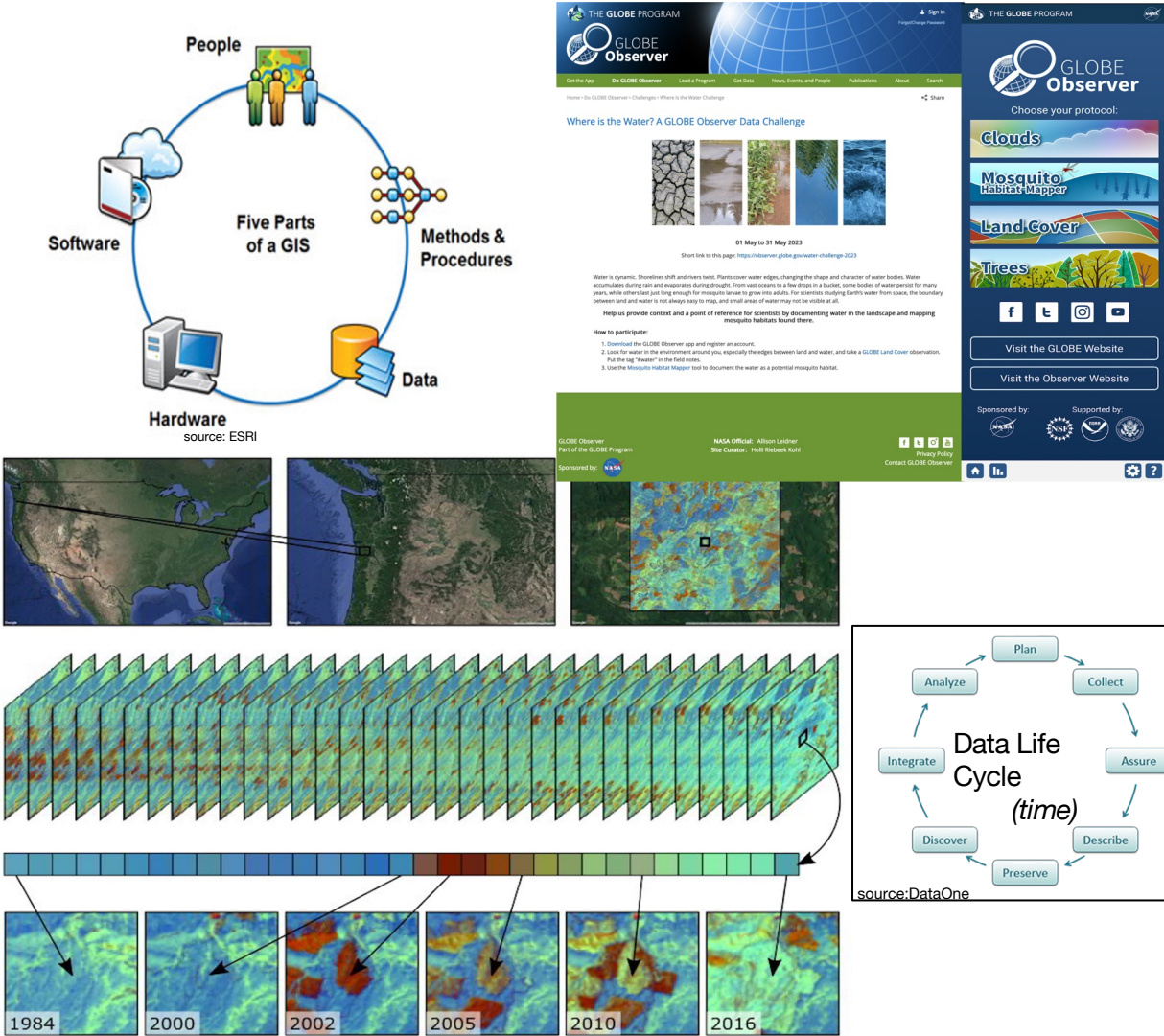
My most important lesson or question in stakeholder engagement

- How do we use technology and not create an <u>opportunity divide</u> between stakeholders?

- How do we work together with "wall to wall" public spatial data that raises privacy and ethical issues (<u>data sovereignty</u>)?

- How do we work together <u>across generations</u> for the benefit of all stakeholders?

Landsat Missions: Imaging the Earth Since 1972

1973 – Landsat 1 — Peru Avalanche
1980 – Landsat 2 — Mt. St. Helens (Washington)
2005 – Landsat 5 — Hurricane Katrina (New Orleans)
2011 – Landsat 7 — Los Conchas Fire (New Mexico)
2015 – Landsat 8 — Dubai, United Arab Emirates

Landsat 1 July 1972 – January 1978
Landsat 2 January 1975 – July 1983
Landsat 3 March 1978 – September 1983
Landsat 4 July 1982 – December 1993
Landsat 5 March 1984 – January 2013
Landsat 6 October 1993
Landsat 7 April 1999 –
Landsat 8 February 2013 –
Landsat 9 2021

1970 1975 1980 1985 1990 1995 2000 2005 2010 2015 2020 2025 2030