

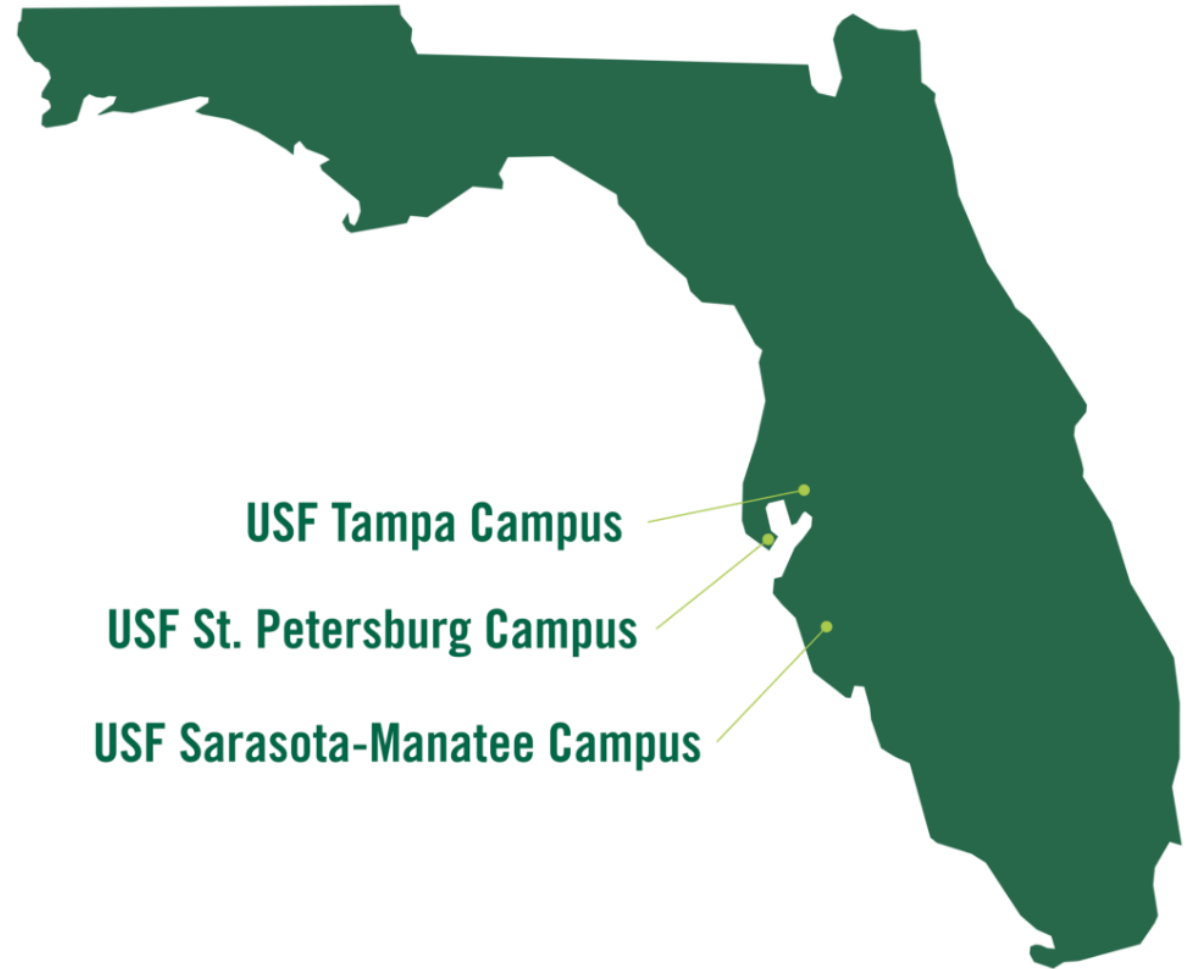
INTEGRATING USF SUSTAINABILITY INITIATIVES INTO OPENLY ACCESSIBLE DATA AND CURRICULA

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University of South Florida

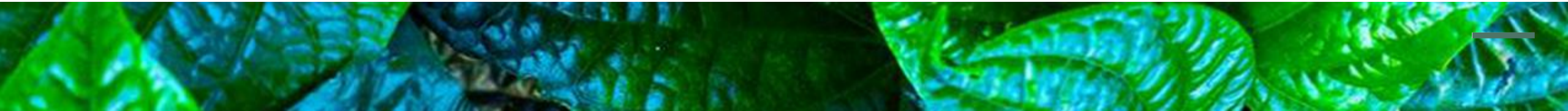
- ❑ Public research university in U.S.
- ❑ Association of American Universities (AAU)
- ❑ 40,000 students
- ❑ Three campuses with distinctive identities



USF Libraries

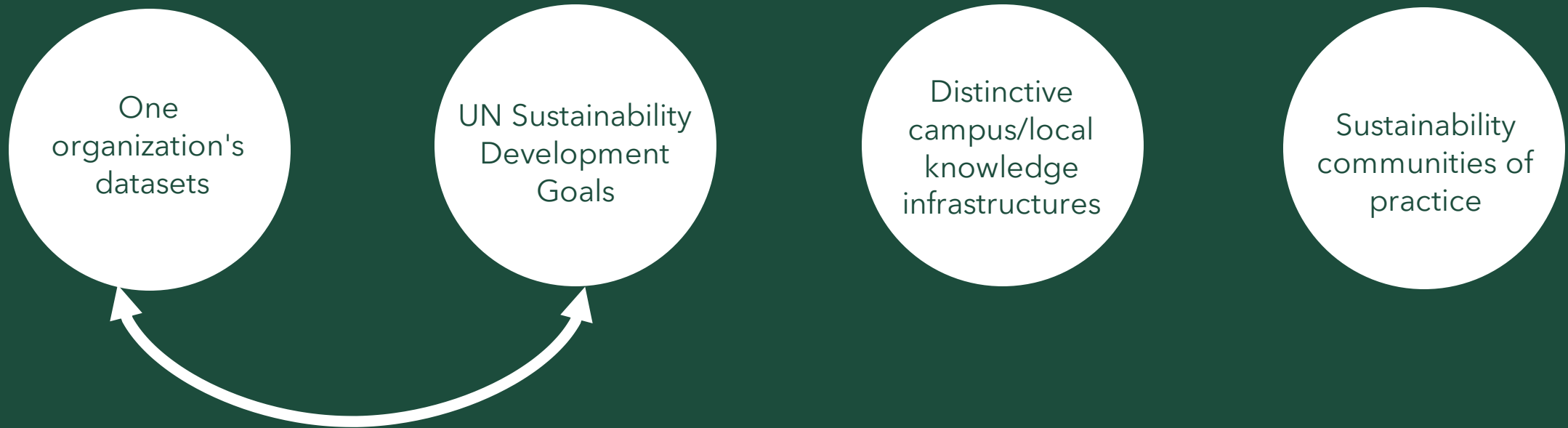
Selected sustainability and data initiatives include:

- ❑ **Florida Environmental and Natural History Collections**
More than 30 environmentally-centered special and digital collections.
- ❑ **Digital Commons Data**
Data repository for USF faculty research.
- ❑ **EcoLiteracies for Climate Action in Florida**
Teaching and learning portal for primary and secondary teachers (ALA Funded).
- ❑ **Data Literacy Teaching Toolkit**
Data literacy framework and teaching resources for faculty.
- ❑ **CLIR Climate Resiliency Workshops** (coming soon!)



purpose

To bridge the gaps... making local data accessible for teaching and research





case study

Faculty Learning Community on Sustainability at the University of South Florida

Bringing faculty together across disciplines during 2023-24

Participants: 10 faculty from Business, Chemistry, Economics, Education, Engineering, English, Environmental Science, Libraries & Archives

2 professional staff from Communications & Marketing, Facilities Management

Structure: 1-2 meetings per month from September 2023 - April 2024

Funding: \$2,500 USD to purchase resources, professional development, conferences, etc.

Goals: Members pursue individual goals & the group identifies a common goal

UN Sustainable Development Goals

FLC member expertise
ranked highest in the
following areas:

- ☐ Climate action
- ☐ Clean water and sanitation
- ☐ Sustainable cities and communities
- ☐ Affordable and clean energy

FLC member interests:

- ☐ Clean water and sanitation
- ☐ Sustainable cities and communities
- ☐ Quality education

FLC goals

Faculty want to collaborate in research and teaching (see poster figures 2-3). They also want to:

- ❑ Learn about geospatial data related to biodiversity and sustainability
- ❑ Build a community of practice and "connect with like-minded scholars."
- ❑ Learn about sustainability practices across USF. One respondent said they want to focus on "understanding the key sustainability priorities of Tampa, St. Petersburg and Sarasota and how USF can help advance those priorities and incorporate them onto each of the 3 campuses."

FLC library activities

- ❑ Adding datasets to university archives
- ❑ Creating digital research guides
- ❑ Working with student groups
- ❑ Developing internship projects
- ❑ Developing grant proposal



more FLC activities

Speakers:

- ❑ Facilities management provided overview on campus datasets
- ❑ Librarians gave overview on existing databases, resources, mapping tools
- ❑ Researchers will present on tree canopy map datasets, ecosystem valuation, water

Field trips:

- ❑ Two campus ecosystems (Tampa Forest Preserve, St. Petersburg waterfront)
- ❑ Water reclamation facility, reverse osmosis plant, desalination plant
- ❑ Green buildings

why libraries?

"Knowledge infrastructures are "robust networks of people, artifacts, and institutions that generate, share, and maintain specific knowledge about the human and natural worlds."

- Paul N. Edwards (2010)



sustainability and community

Local to global / Global to local



contacts

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