https:projects.livingobservatory.org



Email to join: Glorianna@livingobservatory.org



https:projects.livingobservatory.org



LO is a learning collaborative of researchers, wetland restoration practitioners, artists, landowners who are engaged in wetland restoration of retired farmland and who want to share expertise and learn together.

The platform provides a central hub for the LO community to share profiles, projects, sites, and data about these projects.

https:projects.livingobservatory.org

Database includes people, projects, properties, and partners, & institutions. UI indicates relationships between these entities at-a-glance.

Project owner is responsible for posting: main page, updates, data, and associated files such as project designs, etc.

Platform is fully accessed on desktop or mobile device to allow researchers to post updates, photos, and in the future data from the field.

Geocoded data can be stored in a geo-database and visualized on the map component.

Modes of use:

- Individual projects
- Team portal (ver. 1 release anticipated this month)

https:projects.livingobservatory.org



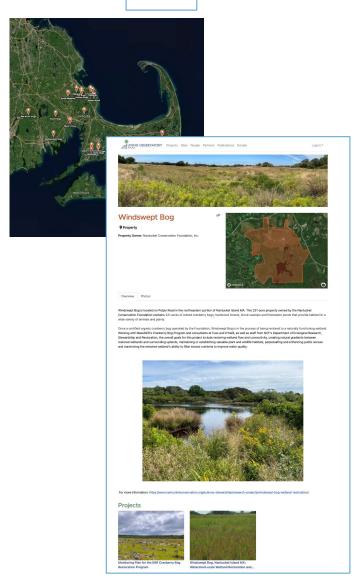
### people



### projects



### sites



### partners



Luciano's Excavating SumCo Eco-Contracting, In

https:projects.livingobservatory.org







#### **Brian Mayton**

Brian Mayton works with Living Observatory to develop new technologies and systems for tracking, sharing, and learning from the arc of change on restored wetlands. He graduated from the MIT Media Lab in 2020. In his Ph.D., he designed, built, and deployed a large-scale low-power sensor network at Tidmarsh, and explored how sensor data combined with rich audio and video streams can help us learn from and enjoy our wetlands.

#### Research Questions

- How can sensor networks serve the multiple roles of providing long-term data for ecological research to improve the practice of wetland restoration, as well as a tool for artistic expression and the creation of nove experiences to effectively engage visitors and the public? (I explore this question in depth in my Ph.D. dissertation).
- What kinds of tools can Living Observatory provide to facilitate collaboration, data sharing, and outreach to the public among a diverse group of projects and researchers?



Log In

Living Observatory
Sensor Network Specialist
MIT Media Lab
Research Affiliate, Alumni

#### More About Brian

- My personal blog
- My Media Lab page

#### Projects



Monitoring Plan for the DER Cranberry Bog Restoration...



Soil Moisture in the Wetland



Living Observatory Sens Network



detection, identification an



Living Observatory Community Platform

#### **Publications**

Kate Ballantine, Glorianna Davenport, Linda Deegan, et al. Learning from the Restoration of Wetlands on Cranberry Farmland: Preliminary Benefits Assessment, Technical report, Living Observatory, Plymouth, MA, December 2020.

Download PDF @ View Online

Brian Mayton. Sensor Networks for Experience and Ecology, Ph.D. Thesis, Massachusetts Institute of Technology, Cambridge, MA, September 2020.

Download PD

Clement Duhart, Gershon Dublon, Brian Mayton, et al. "Deep Learning Locally Trained Wildlife Sensing in Real Acoustic Wetland Environment," Advances in Signal Processing and Intelligent Recognition Systems. SIRS 2018. Communications in Computer and Information Science, Singapore, January 2019. DOI: https://doi.org/10.1007/978-981-13-5758-9-1.

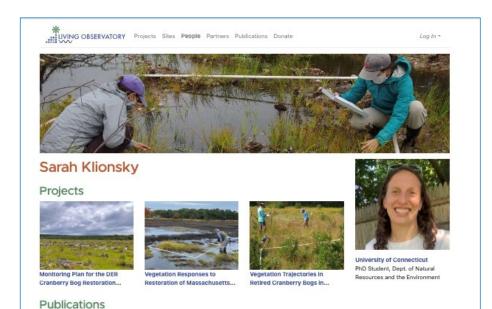
Show More...

### How to join:

- Send me mail requesting an account Glorianna@livingobservatory.org
- I will send you an invitation to join
- You enter your password and you you are ready to build your profile.
- Make sure to have a couple of images handy for the banner and the person ID
- Your profile is private until you click publish.

https:projects.livingobservatory.org





Kate Ballantine, Glorianna Davenport, Linda Deegan, et al. Learning from the Restoration of Wetlands on

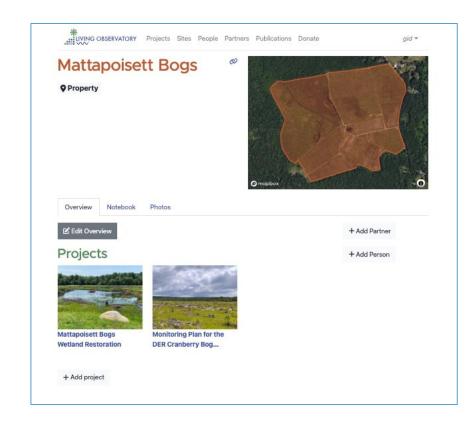
B. Download PDF @ View Online

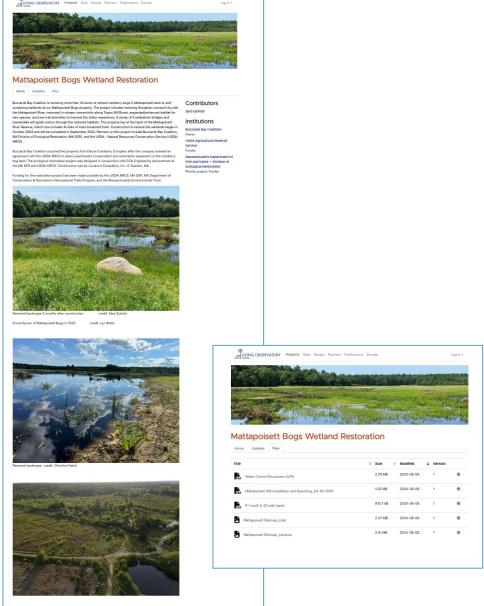
Cranberry Farmland: Preliminary Benefits Assessment, Technical report, Living Observatory, Plymouth, MA,









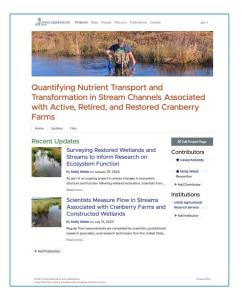


https:projects.livingobservatory.org

https:projects.livingobservatory.org





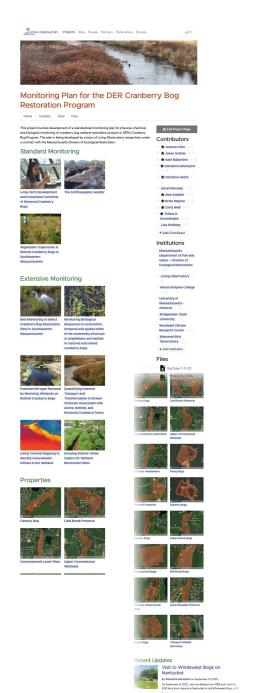


### How to create a project:

- Email me the project name and a short abstract.
- Build and <u>publish</u> main page (projects are private until you click publish.)
- Add regular updates to let the community how your project is progressing.
- Add photos, data (spreadsheeet or geocoded for database), and files.

https:projects.livingobservatory.org

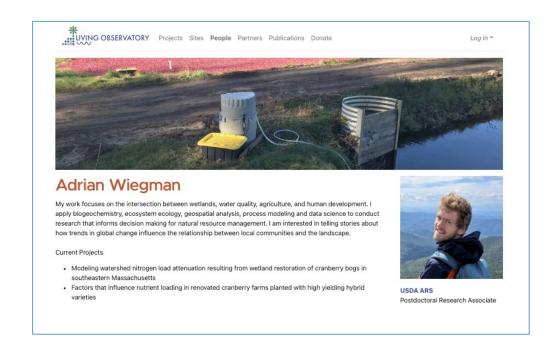




### LO News:

Team portal features (ver. 1 release anticipated this month).

LO is growing: Adrian Wiegman will be working with us beginning in January.



https:projects.livingobservatory.org



# Join today <a href="https:projects.livingobservatory.org">https:projects.livingobservatory.org</a>

email: Glorianna@livingobservatory.org