



Getting Involved with **LEO**

*The Local Environmental
Observer Network*

www.leonetwork.org



ALASKA NATIVE
TRIBAL HEALTH
CONSORTIUM



Permafrost Melt along the Yukon River. Courtesy of Jonathan Henzie



Shishmaref Coast, January 18th, 2018. Courtesy of Dennis Davis



Goals of Training:

Sign Up for LEO
Network

Creating a Profile

Getting to know LEO
Network

Example of LEO
Feature Post Event
Observation

Where traditional, local, and scientific knowledge meet to learn and discuss a changing environment.

The Focus of LEO is Environmental Change

Local observers report on unusual environmental events that are time and location specific. These events may be personal observations or news articles describing an event.

The screenshot shows the LEO Network website interface. At the top, there is a navigation bar with the LEO Network logo, a 'Sign In / Join' link, and a language dropdown set to 'English'. Below the navigation bar is a sidebar on the left titled 'Observer Network' which includes a grid of small images and text encouraging users to contribute observations or news articles. The main content area features a map of Alaska and the surrounding regions, including the Chukchi Sea, Bering Sea, and Beaufort Sea. Numerous blue circular dots are scattered across the map, representing individual observations. Key locations like Utqiagvik, Nome, Bethel, Anchorage, Whitehorse, and Juneau are labeled. A 'Join LEO' button is visible on the right side of the map. An orange arrow points from the 'Join LEO' text to the 'Sign In / Join' link in the navigation bar.

Each one of these colored dots represents an observation.

To view observations, you must be a LEO member.

Sign up to become a LEO member at:

www.leonetwork.org

As of February 2023, there are 4201 LEO Members (local observers, interested viewers, and topic experts)



**The goal of LEO is to connect local observers and topic experts to share information about environmental change.
There are four steps to the LEO process:**

LEO observer submits an observation



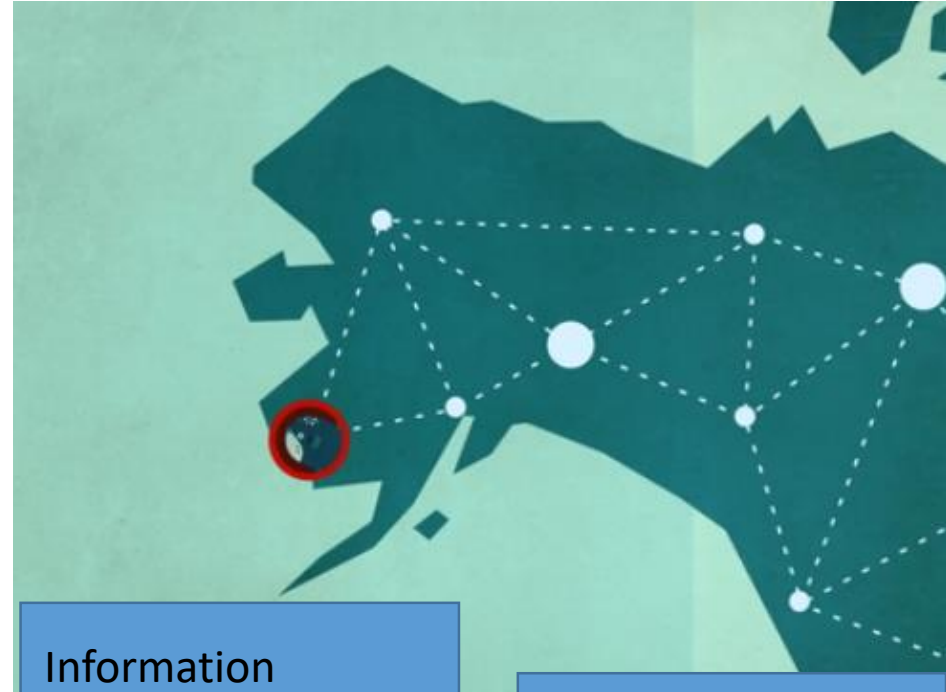
LEO editors add contextual information, and forward the observation to a topic expert to provide more information



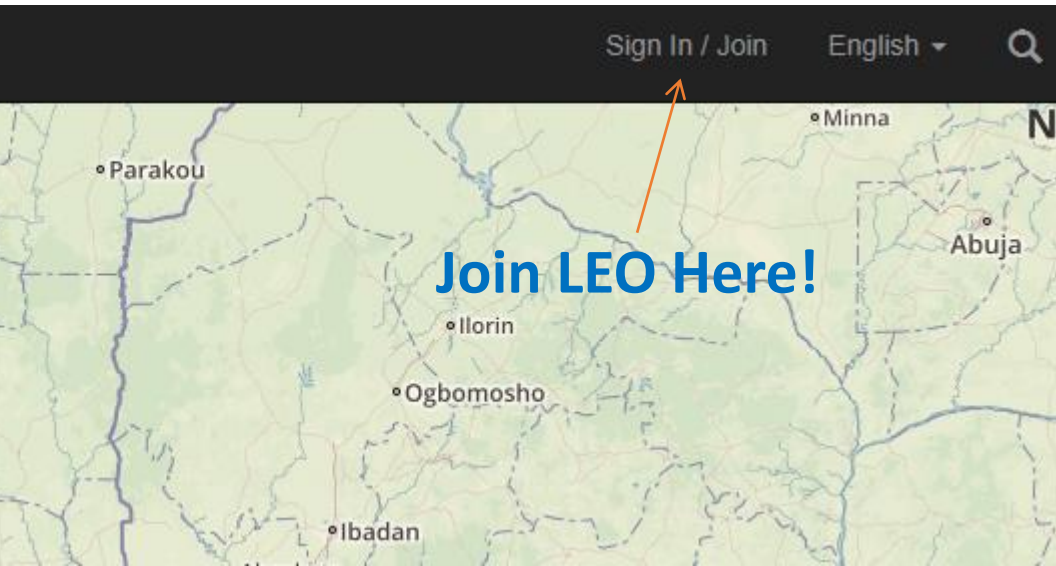
Information provided by the topic expert is added to the LEO post and sent back to the observer



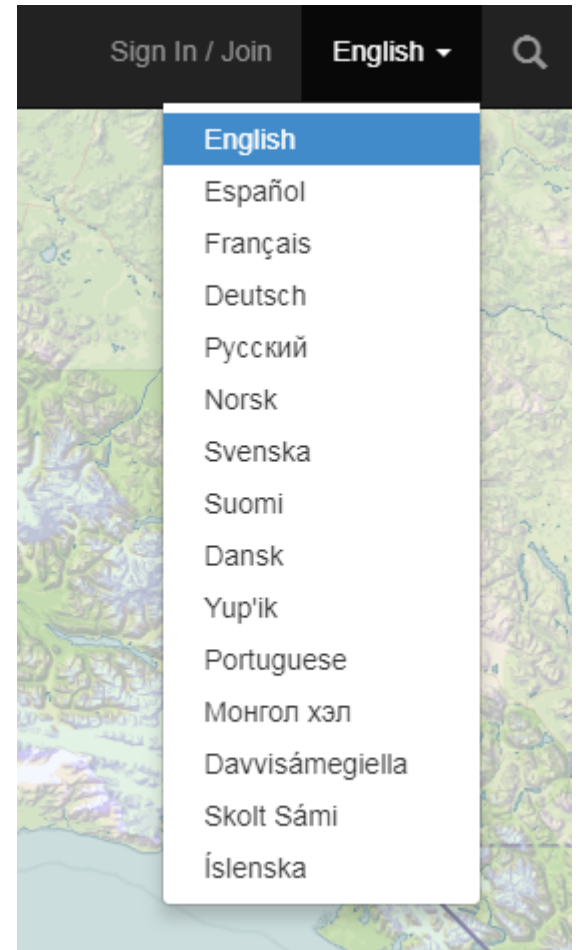
The post is reviewed, then published to the network and becomes available to other LEO members



How to become a Local Environmental Observer

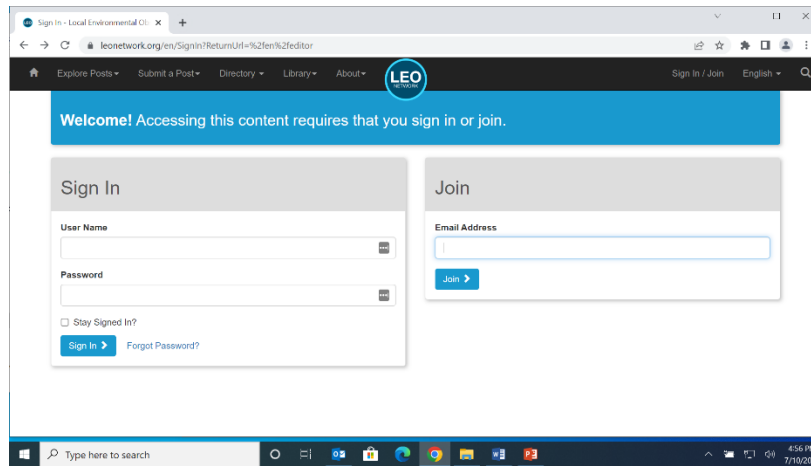


- 1.) Get on any smart phone or computer and go to www.leonetwork.org
From there, click the “Join” icon at the top of the screen



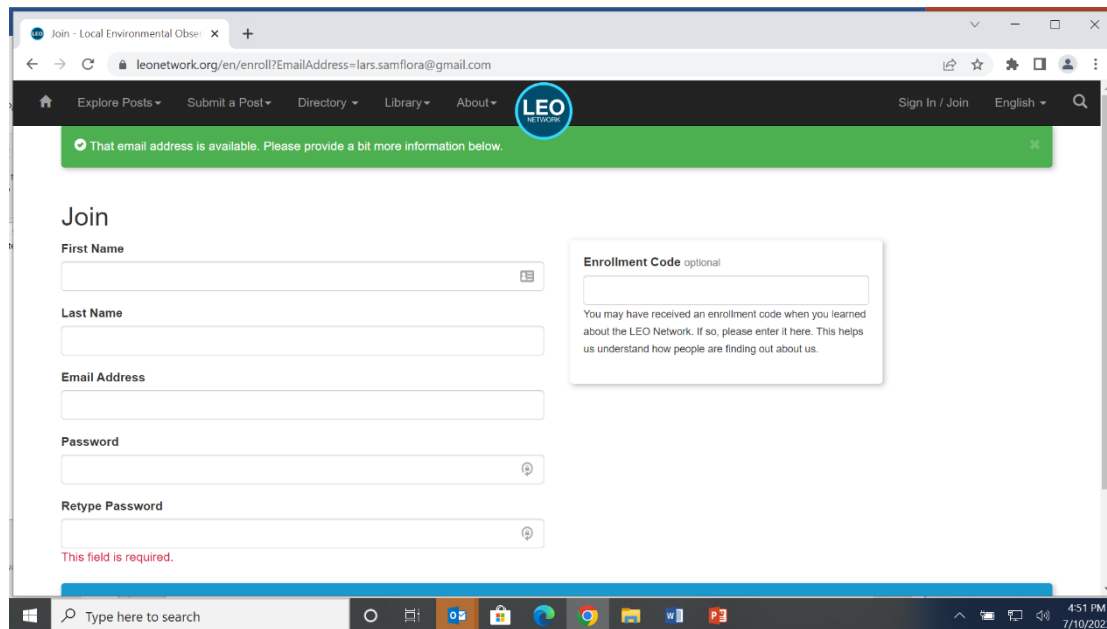
You may translate LEO to another preferred language by selecting from the dropdown menu

2.) Enter your email address. This will become your username.

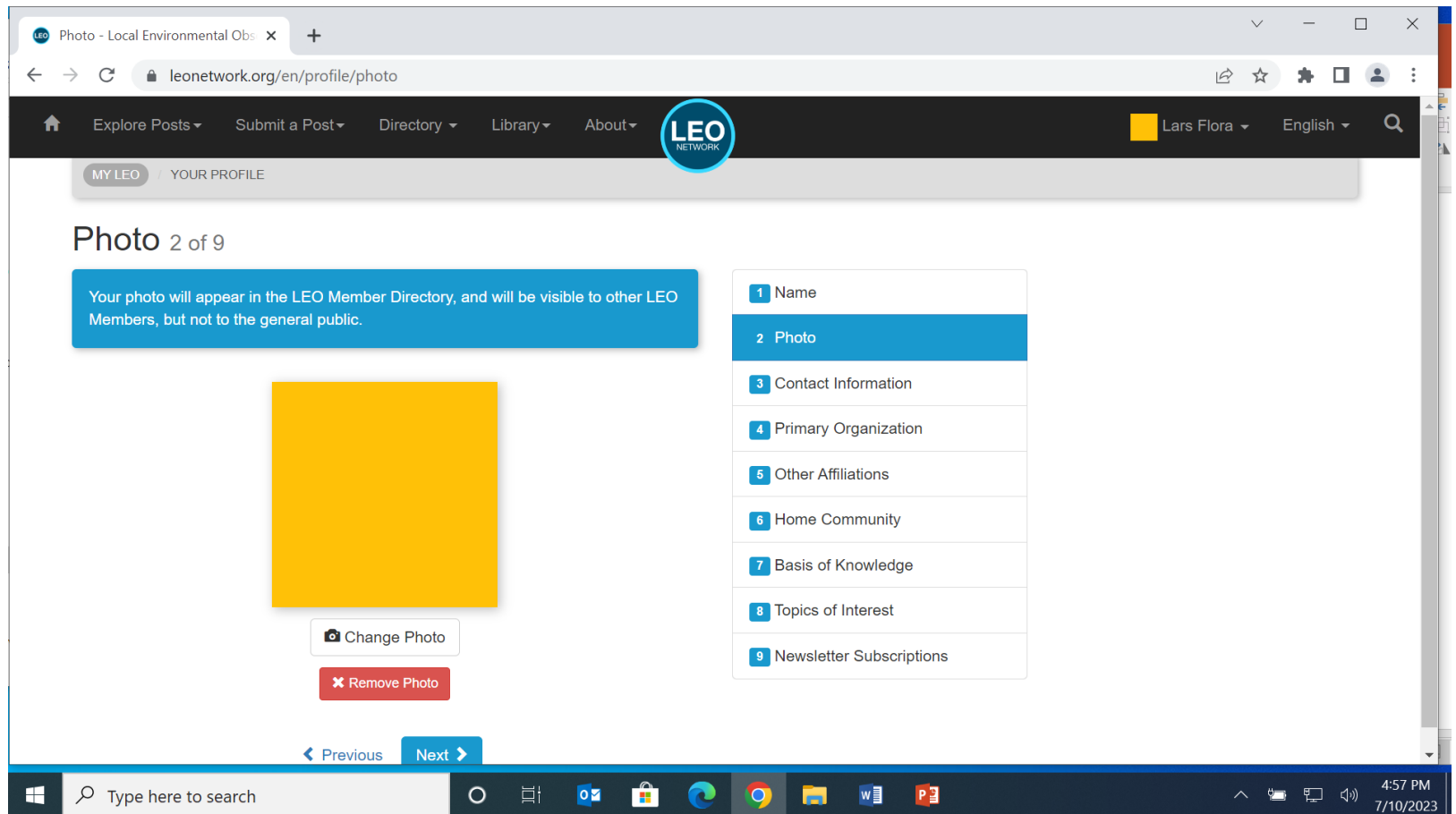


A screenshot of a web browser showing the LEO Network sign-in page. The browser address bar displays "leonetnetwork.org/en/SignIn?ReturnUrl=%2fen%2feditor". The page features a blue header with the LEO Network logo and navigation links. A blue banner reads "Welcome! Accessing this content requires that you sign in or join." Below this, there are two main sections: "Sign In" and "Join". The "Sign In" section includes fields for "User Name" and "Password", a checkbox for "Stay Signed In?", and a "Sign In" button. The "Join" section includes an "Email Address" field and a "Join" button. The Windows taskbar at the bottom shows the search bar and various application icons.

3.) Create a password



A screenshot of a web browser showing the LEO Network join page. The browser address bar displays "leonetnetwork.org/en/enroll?EmailAddress=lars.samflora@gmail.com". A green banner at the top states "That email address is available. Please provide a bit more information below." The "Join" section contains several input fields: "First Name", "Last Name", "Email Address", "Password", and "Retype Password". A red error message "This field is required." is visible below the "Retype Password" field. To the right, there is an "Enrollment Code optional" section with a text box and explanatory text: "You may have received an enrollment code when you learned about the LEO Network. If so, please enter it here. This helps us understand how people are finding out about us." The Windows taskbar at the bottom shows the search bar and various application icons.



4.) Fill in your profile information. Your name, organization, and home community will be visible on your LEO profile.

Contact Information - Local Env x +

leonetwork.org/en/profile/contact/

Explore Posts Submit a Post Directory Library About LEO network Lars Flora English

MY LEO YOUR PROFILE

Contact Information 3 of 9

Your contact information will never be shared with anyone else, including other LEO Members.

Email Address

Phone Number optional

< Previous Next >

- 1 Name
- 2 Photo
- 3 Contact Information
- 4 Primary Organization
- 5 Other Affiliations
- 6 Home Community
- 7 Basis of Knowledge
- 8 Topics of Interest
- 9 Newsletter Subscriptions

Type here to search 4:58 PM 7/10/2023

Primary Organization - Local Env x +

leonetwork.org/en/profile/organization/

Explore Posts Submit a Post Directory Library About LEO network Lars Flora English

MY LEO YOUR PROFILE

Primary Organization 4 of 9

If you have a main organizational affiliation, either professionally or not, you can share it with us here.

Organization Name

Title optional

Specialty or Department optional

< Previous Next >

- 1 Name
- 2 Photo
- 3 Contact Information
- 4 Primary Organization
- 5 Other Affiliations
- 6 Home Community
- 7 Basis of Knowledge
- 8 Topics of Interest
- 9 Newsletter Subscriptions

Type here to search 4:58 PM 7/10/2023

Home Community - Local Environ... x +

leonetwork.org/en/profile/community/

Explore Posts Submit a Post Directory Library About

LEO NETWORK

Lars Flora English

MY LEO YOUR PROFILE

Home Community 6 of 9

Please tell us where you live. This information will be visible to other LEO Members.

Enter community name... Search

Previous Next

- 1 Name
- 2 Photo
- 3 Contact Information
- 4 Primary Organization
- 5 Other Affiliations
- 6 Home Community
- 7 Basis of Knowledge
- 8 Topics of Interest
- 9 Newsletter Subscriptions

Type here to search

4:58 PM 7/10/2023

Basis of Knowledge - Local Environ... x +

leonetwork.org/en/profile/knowledgebase/

Explore Posts Submit a Post Directory Library About

LEO NETWORK

Lars Flora English

MY LEO YOUR PROFILE

Basis of Knowledge 7 of 9

Which of these best describe the basis of your environmental knowledge? You may choose more than one.

Choose Local Knowledge

Choose Indigenous Knowledge

Choose Scientific Knowledge

Previous Next

- 1 Name
- 2 Photo
- 3 Contact Information
- 4 Primary Organization
- 5 Other Affiliations
- 6 Home Community
- 7 Basis of Knowledge
- 8 Topics of Interest
- 9 Newsletter Subscriptions

Type here to search

4:58 PM 7/10/2023

Topics of Interest - Local Environ x +

leonetwork.org/en/profile/topics/

Explore Posts - Submit a Post - Directory - Library - About - LEO NETWORK Lars Flora - English

MY LEO YOUR PROFILE

Topics of Interest 8 of 9

Please select any topics in which you have interest or expertise.

<input type="checkbox"/> Weather	<input type="checkbox"/> Ocean/Sea	<input type="checkbox"/> Surface Waters	<input type="checkbox"/> Ice and Snow
<input type="checkbox"/> Land	<input type="checkbox"/> Air	<input type="checkbox"/> Plants / Kelp	<input type="checkbox"/> Fish
<input type="checkbox"/> Sea Mammals	<input type="checkbox"/> Land Mammals	<input type="checkbox"/> Birds	<input type="checkbox"/> Invertebrates
<input type="checkbox"/> Insect	<input type="checkbox"/> Spider	<input type="checkbox"/> Squid	<input type="checkbox"/> Turtle

- Name
- Photo
- Contact Information
- Primary Organization
- Other Affiliations
- Home Community
- Basis of Knowledge
- Topics of Interest
- Newsletter Subscriptions

Type here to search

4:59 PM 7/10/2023

Newsletter Subscriptions - Local Environ x +

leonetwork.org/en/profile/newsletters/

Explore Posts - Submit a Post - Directory - Library - About - LEO NETWORK Lars Flora - English

MY LEO YOUR PROFILE

Newsletter Subscriptions 9 of 9

Northern Climate Observer

The Northern Climate Observer is published weekly by the Center for Climate and Health. We track news from across the circumpolar north and provide readers with a curated roundup of climate change related events.

[Click here to view back issues \(2009 to present\) of the Northern Climate Observer.](#)

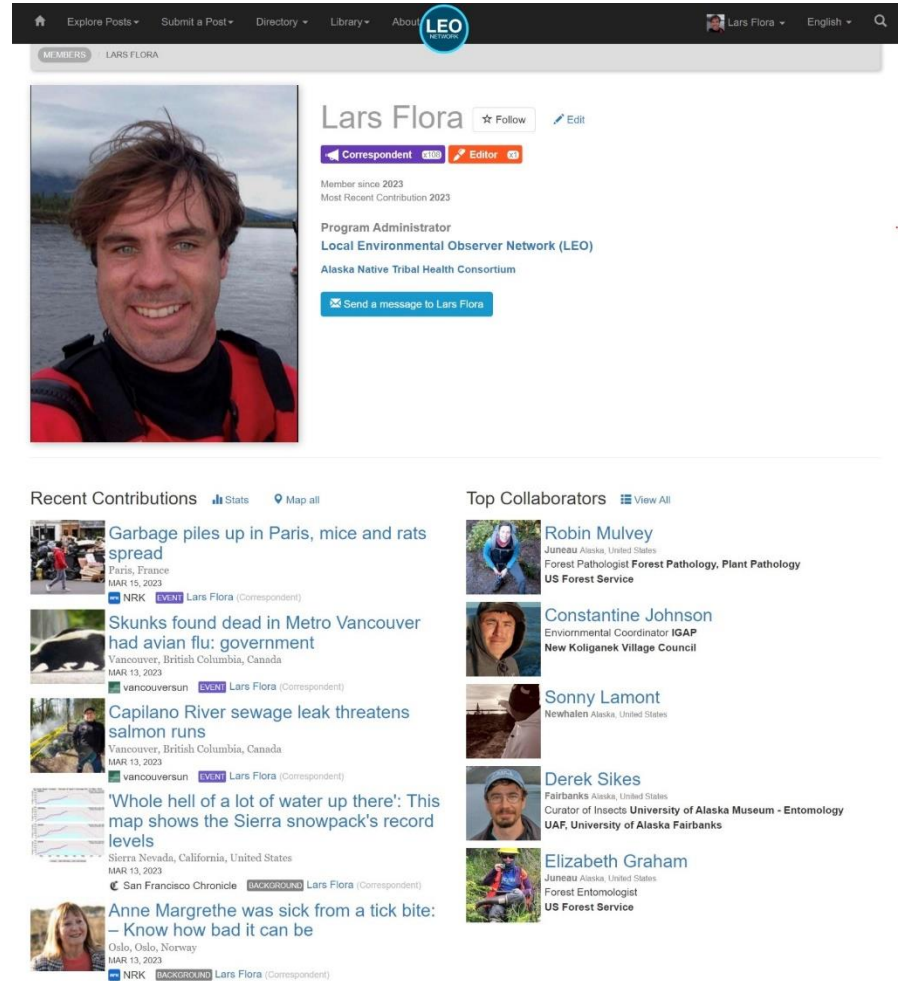
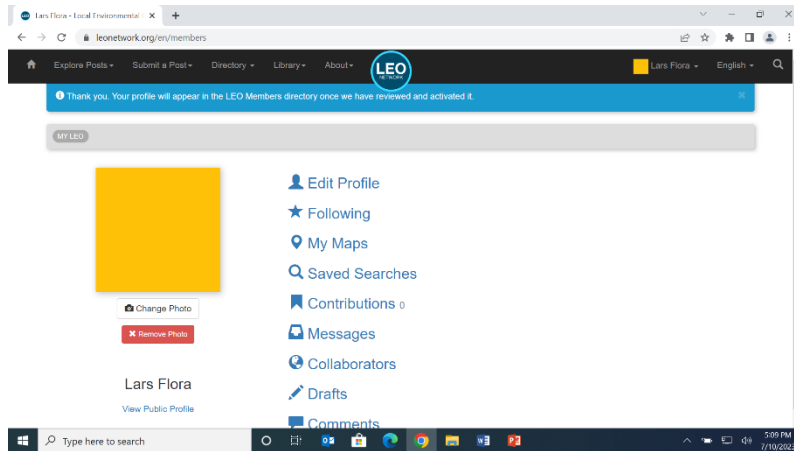
← Previous Next →

- Name
- Photo
- Contact Information
- Primary Organization
- Other Affiliations
- Home Community
- Basis of Knowledge
- Topics of Interest
- Newsletter Subscriptions

Type here to search

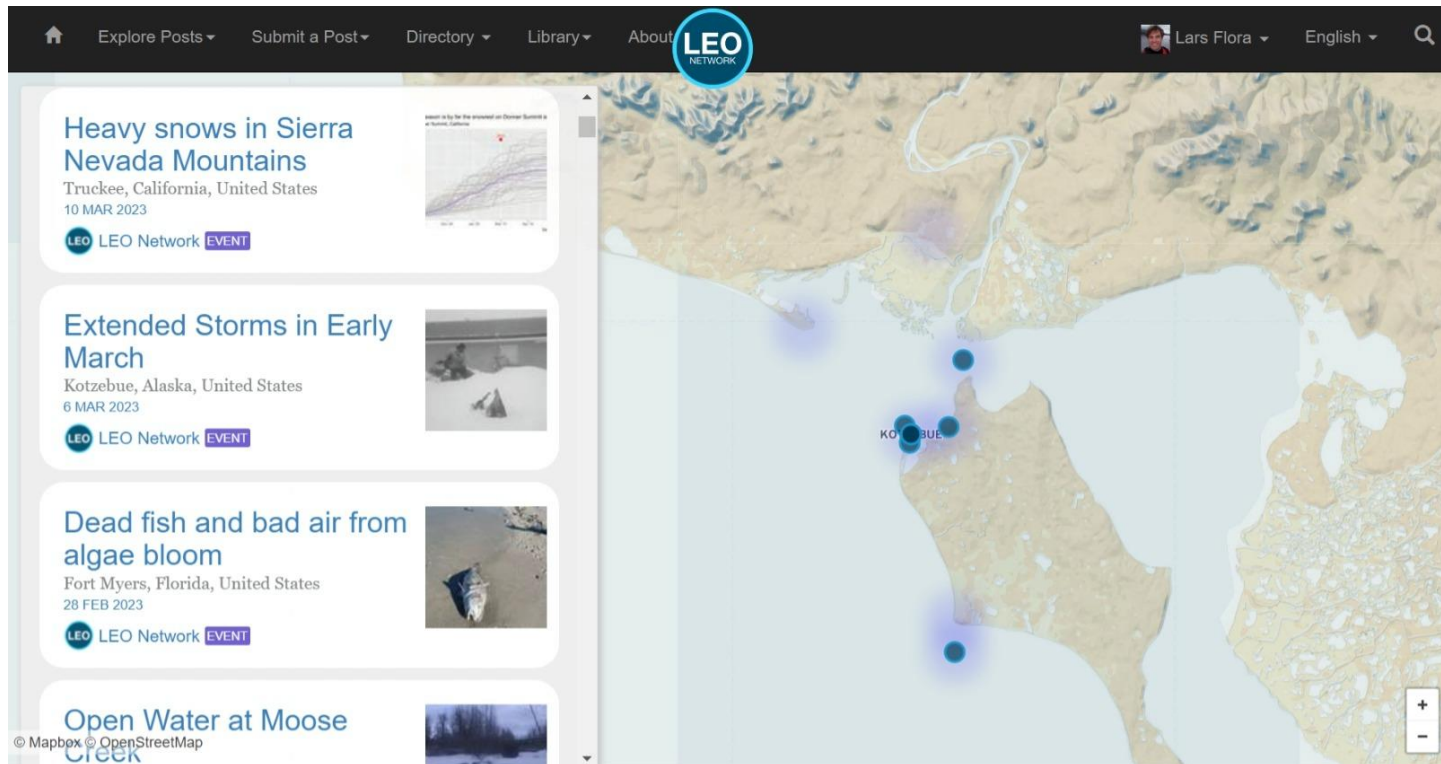
4:59 PM 7/10/2023

Below is an example of how information appears in your public profile. Your profile will also show all contributions you have made to the LEO Network.



The LEO Network does not share your phone number or e-mail address on your public profile. Other LEO members can message you using the internal messaging system

Once you have joined, you may explore, read, and post observations!



Browse observations by entering search terms in to the search bar. You may search only observations, only news articles, or both.

Additional search filters can be applied using the Advanced Search Function.

To submit an observation, click the dropdown menu beneath your LEO profile, and click "Submit Observation." You may also submit a news article documenting an unusual environmental event by clicking "Submit Article" and pasting a URL.

Observations that are published to the network can be viewed by other LEO members.

When completed, LEO posts appear in a format like this:

MARCH 6, 2023 **EVENT**

Extended Storms in Early March

WEATHER
HUMAN HEALTH
SAFETY
BUILDINGS
TRANSPORTATION

50 km
EXTREME TEMPERATURE
50 mi

Kotzebue, Alaska, United States
N 66° 54' 22.16" W 162° 36' 44.981"
Nearby

It has been some years since we have had a long storm. March 6 marks the 3rd day and there have been no jets or small planes flying.

Observation by Jimmy Evak:

It has been some years since we have had a long storm. March 6 marks the 3rd day and there have been no jets or small planes flying.

Comment by Rick Thoman:

A series of storms brought heavy precipitation to western and Northwest Alaska. Some of the moisture came from the subtropical Pacific west of Hawaii. Kotzebue set new records for highest 24-hour precipitation in March (0.73 inches March 4-5th is) and the highest 3-day precipitation 1.27 inches March 4-6. This appears to be the largest series of early spring storms (in terms of how much precipitation) since March 2009. I've got a Substack post up on this event in western Alaska

Contributing Members

Jimmy Evak **Observer**
Kotzebue Alaska, United States
Send Message

Richard L Thoman Jr **Consultant**
Fairbanks Alaska, United States
Alaska Center for Climate Assessment and Policy (ACCAP)
Send Message

See Also

Blizzard batters Northwest Alaska, causing infrastructure problems
Kotzebue, Alaska, United States
MAR 7, 2023
BACKGROUND

Back-to-back blizzards hit region with high winds and snow
Nome, Alaska, United States
MAR 4, 2023
The Nome Nugget **EVENT**

Atmospheric rivers are hitting the Arctic more often, and increasingly melting its sea ice
Arctic
FEB 6, 2023
ArcticToday **BACKGROUND**

Blizzardy March buries Nome in lots of snow
Nome, Alaska, United States
APR 10, 2021
The Nome Nugget **EVENT**



Evak, Jimmy and Richard L Thoman Jr. 2023. Extended Storms in Early March. LEO Network (leonet.org). Accessed 17 March 2023.



If you have any questions about LEO, or would like to set up a webinar to introduce your community members to LEO, please contact :

Lars Flora
LEO Network Coordinator
Alaska Native Tribal Health Consortium

lflora@anthc.org
907-729-4003

