

The NLX logo features the letters 'NLX' in a bold, sans-serif font. The 'N' and 'L' are dark blue, while the 'X' is composed of two overlapping shapes: a red one on top and a blue one on the bottom.

NLX

RESEARCH HUB

NATIONAL SCIENCE FOUNDATION
PROJECT TO GENERATE DATA
INSIGHTS

EMMA NORTHCOTT, NASWA
C2ER/LMI INSTITUTE ANNUAL CONFERENCE

USNLx.com
NLxResearchHub.org

NATIONAL LABOR EXCHANGE (NLx)

USNLx.com

The premier national labor exchange for the United States, making **millions** of authentic jobs available each day from hundreds of thousands of employers in varying industries and sizes.

✓ NLx MISSION

To provide the most accurate and comprehensive collection of real, online job openings at no additional cost to state workforce agencies and employers.



NASWA is the national organization representing all 50 state workforce agencies, D.C. and U.S. territories, and **co-founding organization of the NLx.**

NASWA works with state workforce agencies to encourage participation and usage of the NLx, creating a connection between states and employers.





**DirectEmployers
Association**

DIRECTEMPLOYERS is the recognized authority in OFCCP compliance serving as a one-stop-shop for compliance, affirmative action and recruitment marketing to its over 900 Member companies.

As the **co-founding organization of the NLx**, DirectEmployers uses its people, partnerships and position as industry experts to advocate on behalf of the federal contractor community, while driving innovation and technology for compliance and talent acquisition.



THE NLx PROCESS

The NLx connects job seekers with qualified jobs.

1 COLLECTS JOB OPENINGS

Original sources fuel the NLx:

- Corporate career websites
- State job boards
- Federal job boards

2 INDEXES AND REFRESHES

Job feed updated daily with current, fresh job content

3 VALIDATES EACH EMPLOYER

No duplicate jobs or scams



THE NLx CONNECTION

Jobs imported to and exported from the NLx every 24 hours

Jobs exported from NLx to



NATIONAL SCIENCE FOUNDATION CONVERGENCE ACCELERATOR (C-ACCEL)

C-ACCEL:

New capability within the NSF to accelerate use-inspired convergence research in areas of national importance via partnerships between academic and non-academic stakeholders.

GOAL OF TRACK B1 – AI & FUTURE JOBS:

“Support research and development leading to technological tools that will connect individual workers with jobs, keeping in mind that retraining and reskilling outside of traditional education settings will increasingly become integral to successful lifetime careers.”

OUR PROJECT: TEAM B-7026

Building a hub of
real-time information
to support the
workforce
development system



PHASE I PROJECT MILESTONES



**CONDUCTED 18
INTERVIEWS**



**SHARED RAW NLx DATA
WITH 14 TEST USERS**



**EXPLORED
USE CASES**

DATA USE CASES

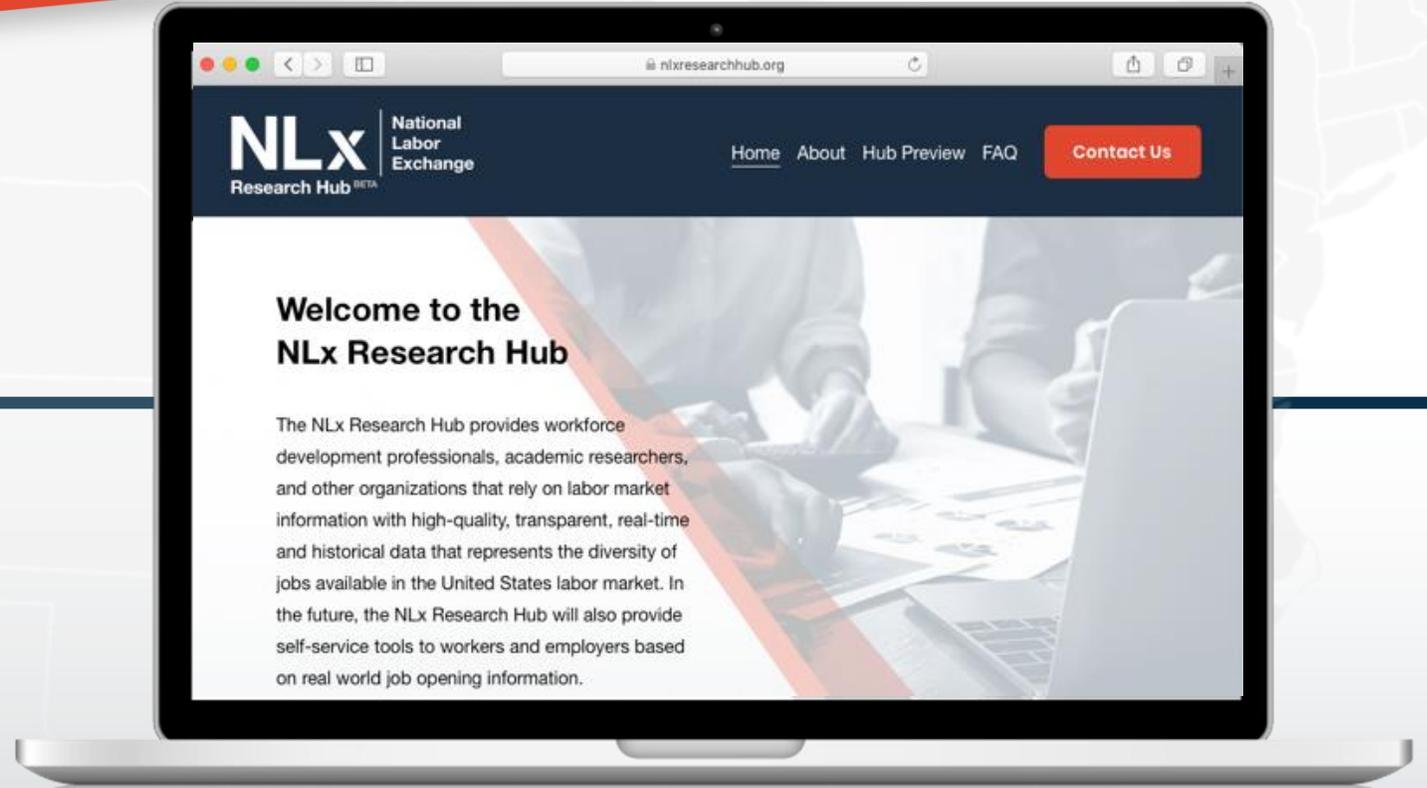
- Categorizing job postings
 - License/educational requirements
 - Full-time/part-time/seasonal
 - Veterans preference
 - Likely job setting
 - Estimated annual pay (OES/SOC)
- Matching resumes to job postings based on skills/credentials
- Building tools to inform jobseekers about training programs for local in-demand jobs
- Linking to other datasets for further analysis and context (QCEW, State Job Vacancy Surveys, IPEDS, OES, Credential Engine Registry data, etc.)



PHASE I PROJECT MILESTONES



**SIGNED THE NLx DATA
TRUST AGREEMENT**



**LAUNCHED PROTOTYPE
WEB INTERFACE**

PHASE II PROJECT OBJECTIVES



Complete technical infrastructure



Share the data with researchers



Integrate the NLx data with other datasets and explore LMI use cases



Develop training materials and a community of researchers



Develop data visualizations and standard queries for the public



| jobs near me

career support group initiation

career support services

career support systems ple

career support network ne

career support solutions is

COMMUNITY for RESEARCHERS

The screenshot shows the NLx Research Hub website. At the top left is the NLx logo with 'National Labor Exchange' and 'Research Hub' text. To the right are navigation links: 'Home', 'About', 'Hub Preview', 'FAQ', and a red 'Contact Us' button. Below the navigation is a 'Researcher Resources' section. Under the heading 'Webinars and training videos', there are three video thumbnails. The first features Christy Merriman, the second shows a large crowd, and the third features Pam Gerassimides. Below these are three categories: 'How-to guides' with a book icon, 'Whitepapers and publications' with a document icon, and 'Training resources' with an icon of a person at a computer.

This section contains two promotional banners. The left banner features the Slack logo and the text 'Join the NLx Slack community'. The right banner features the GitHub logo and the text 'Open source code and resources for developers using NLx data.' Both banners have a background image of people in a meeting.

COMMUNITY
for
RESEARCHERS

GET STARTED WITH



RESEARCH HUB

- ✓ HISTORY OF NLX JOBS
- ✓ DATA DICTIONARY
- ✓ ACCESS INSTRUCTIONS
- ✓ FAQ

NEXT 



WHAT INSPIRES US

- How might we bring the right data together to help state workforce agencies plan for recessions, analyze supply and demand, find skills-adjacent roles for career seekers, and more?
- How might we help employers more quickly locate talent in their own backyard?
- How might we help local communities and policy makers prioritize workforce investments?



WANT TO
GET
INVOLVED?

- Attend a public showcase of all NSF Convergence Accelerator projects
 - Likely the week of June 29, 2020
 - Email enorthcott@naswa.org if interested in attending
- Request access to the NLx data
 - Anticipated beginning in Fall 2021
- Sign up to receive future updates by subscribing to the [NASWA newsletter](#)
- Email admin@nlxresearchhub.org with other questions



PARTNERS



Questions? Contact:

Emma Northcott

Program Manager

enorthcott@naswa.org

