

SCIENCE FOR THE PLE

advancing equity and a culture of inclusivity through open science

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Office of Strategic Initiatives, National Library of Medicine, NIH

CZI Open Science Meeting

June 13, 2024

What is open science?

The principle and practice of making research products and processes available to all, while respecting diverse cultures, maintaining security and privacy, and fostering collaborations, reproducibility, and equity.





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Open Science Announcements from Federal Agencies

Open Science is the principle and practice of making research products and processes available to all, while respecting diverse cultures, maintaining security and privacy, and fostering collaborations, reproducibility, and equity.

Federal agencies are celebrating 2023 as a Year of Open Science, a multi-agency initiative across the federal government to spark change and inspire open science engagement through events and activities that will advance adoption of open, equitable, and secure science.

Help spotlight the value of open science by checking out this toolkit: choose and use images for social media, presentations, posters and virtual backgrounds—agency partners may even co-brand. #YearofOpenScience.

Centers for Disease Control and Prevention

Department of Agriculture
Department of Commerce

Department of Energy

Department of State

Department of Transportation

Environmental Protection Agency

National Aeronautics and Space Administration

National Endowment for the Humanities

National Institutes of Health

National Institute of Standards and Technology National Oceanic and Atmospheric Administration

National Science Foundation

Smithsonian Institution

U.S. Geological Survey

U.S. General Services Administration

White House Office of Science and Technology Policy





























The OSTP Year of Open Science Recognition Challenge

TO SERVE COMMUNITIES

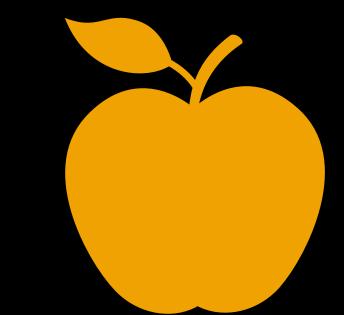
TO ADVANCE EDUCATION

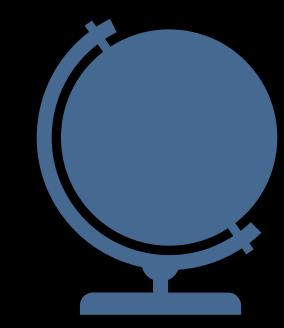
TO ADVANCE GLOBAL SOLUTIONS

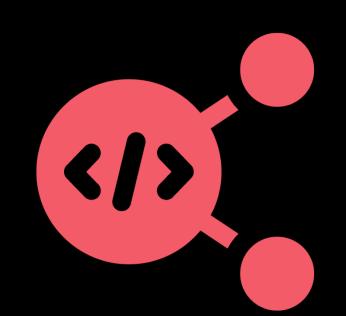
TECHNICAL
ADVANCEMENT FOR
OPEN SCIENCE

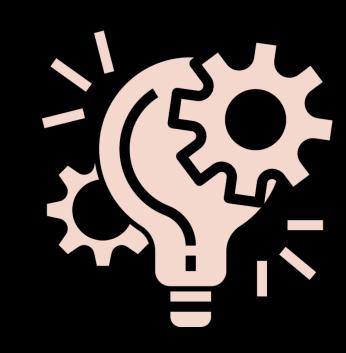
TO ADVANCE INNOVATION











ELOKA

"Co-developing tools for sharing Arctic Indigenous Knowledge"

FoodMASTER

"Open science advances education"

PCDC

"Curing childhood cancer:
Transforming human
health through data"

Project Jupyter

"Reproducible and collaborative computational science and education"

Zooniverse

"Harnessing the Power of 2.6 Million People for Open Science"

graphics from flaticon.com





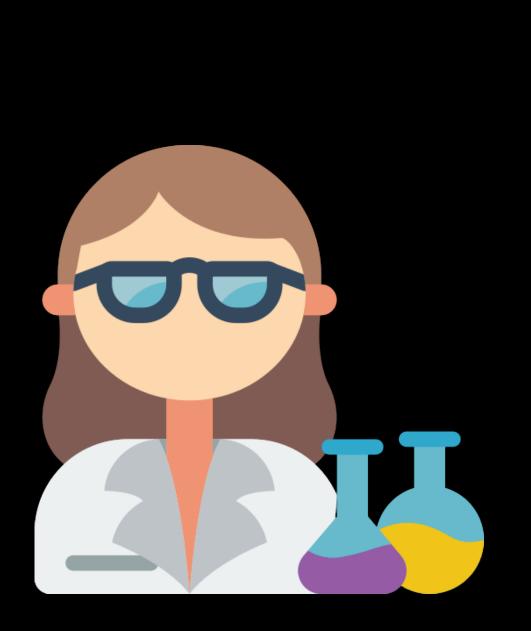








policymakers



researchers



health professionals



educators



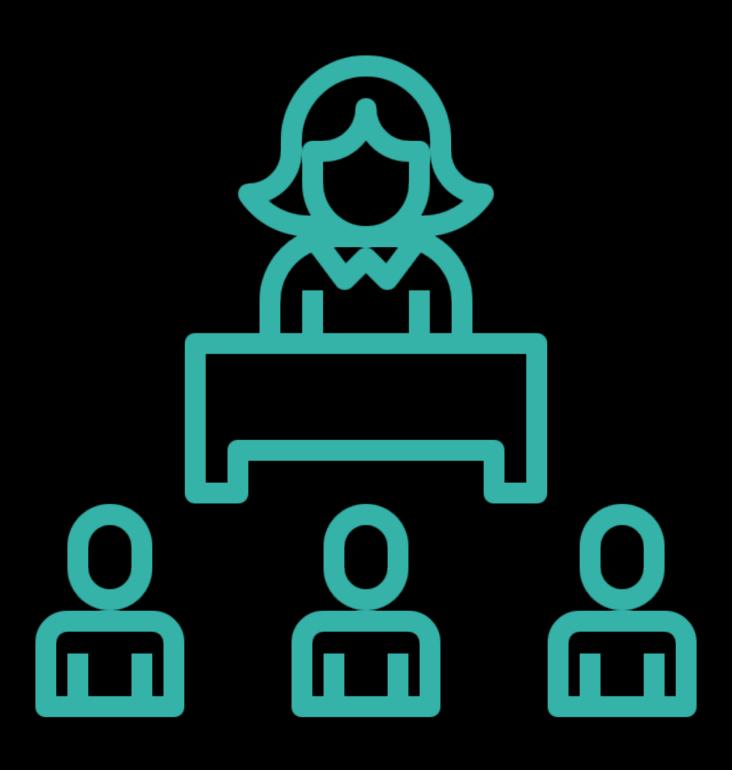
librarians



policymakers



"broader audiences that don't fit neatly into a category"



DEFICIT MODEL

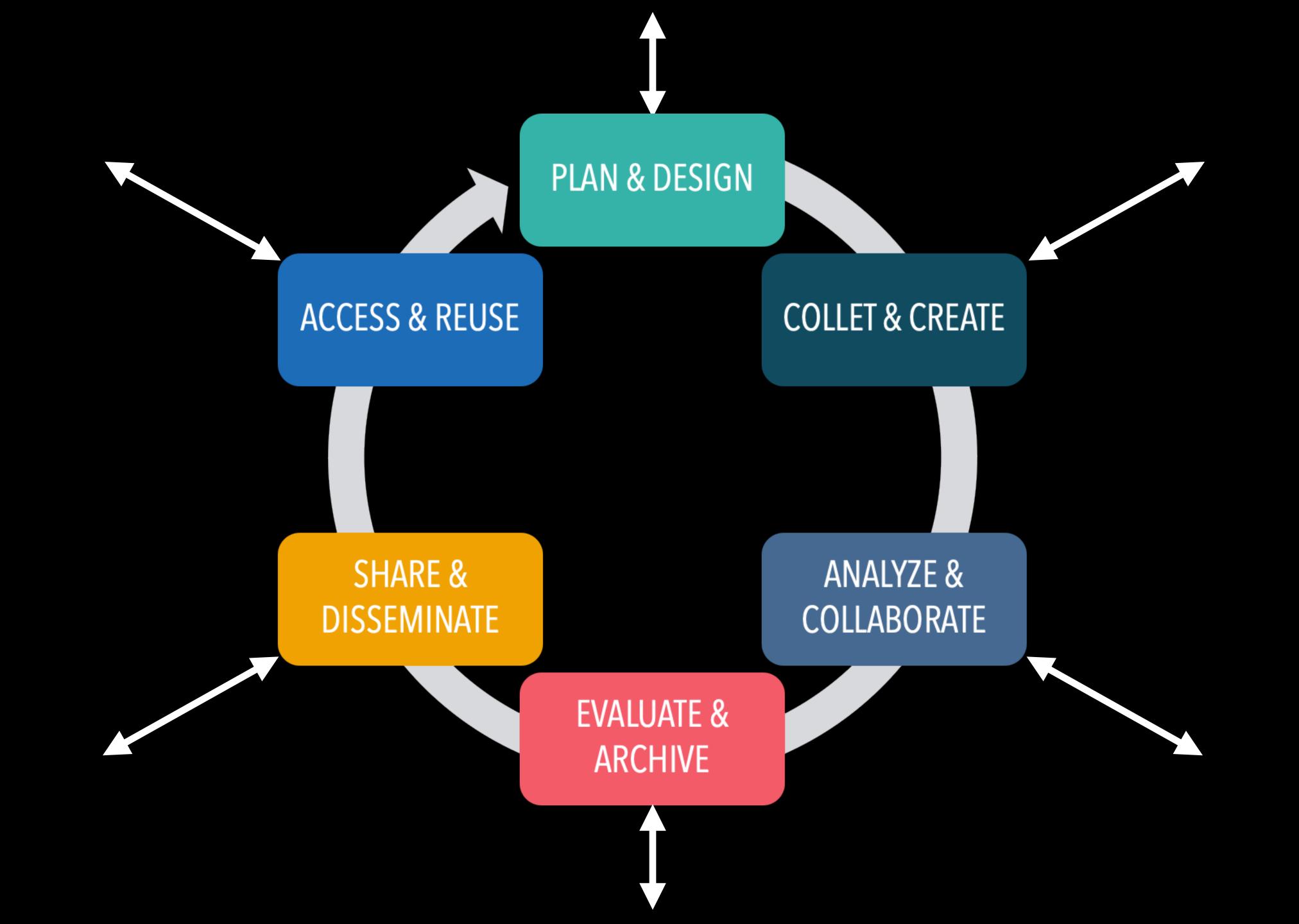


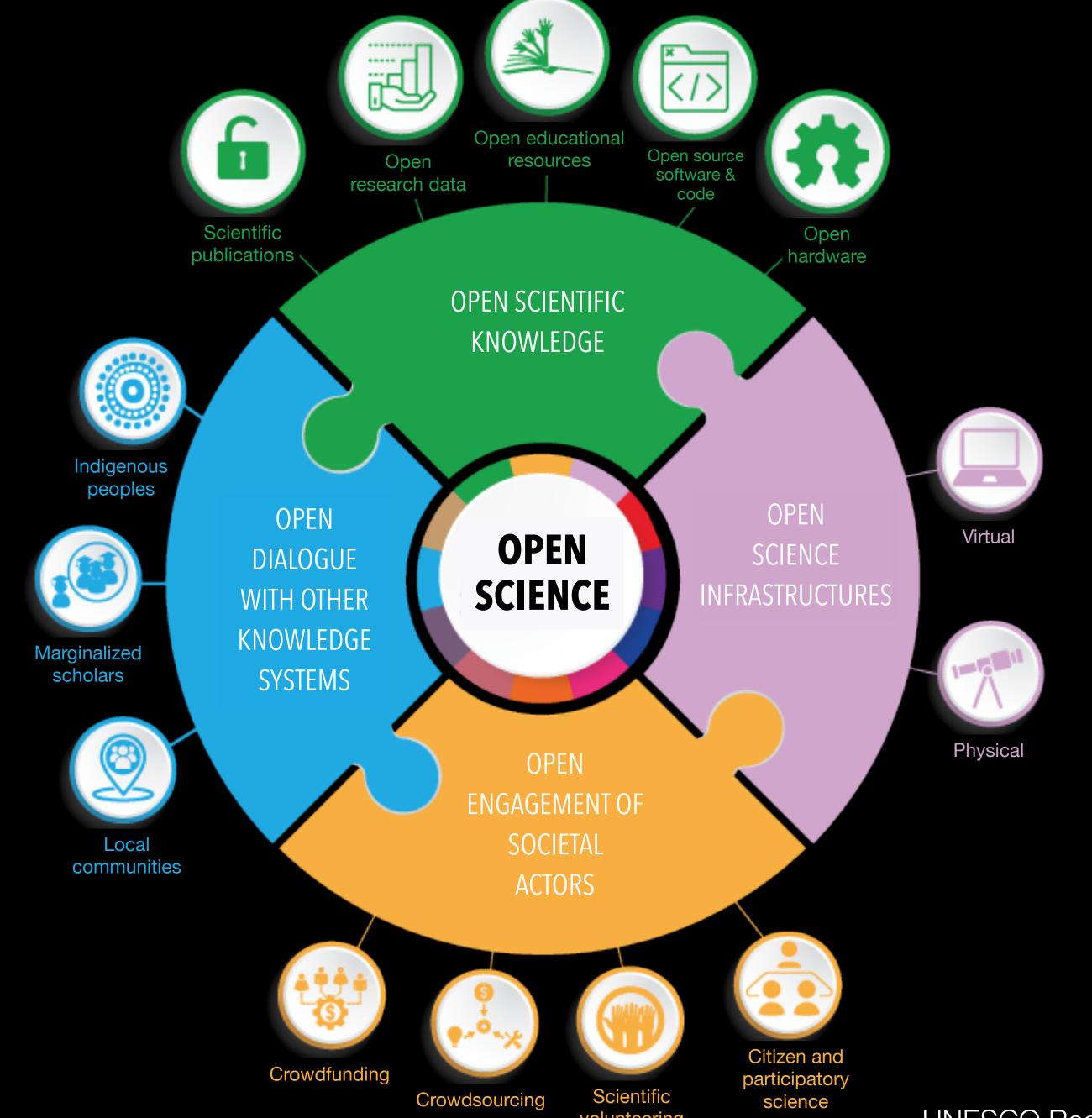






DEFICIT MODELL







A Continuum of Engagement Approaches

REACH OUT CONSULT INVOLVE COLLABORATE SHARE LEADERSHIP

Example: Science communication & translation

Example: Public listening sessions, crowdsourcing, citizen science

Example:
Community review panels, or Patient Engagement
Councils, Citizen
Science, Prize
Competitions,
Challenges

Example:
Cooperative
agreement funding
models

Example: Funding community engagement cores that fund community-university research

NLM IS UNIQUELY POSITION TO UNDERTAKE THIS BRIDGE BUILDING

LIBRARIANS

RESEARCHERS

CLINICIANS

EDUCATORS

COMMUNITY AND PATIENT ADVOCATES

MUSEUMS AND SCIENCE CENTERS

JOURNALISTS

SCIENCE COMMUNICATORS

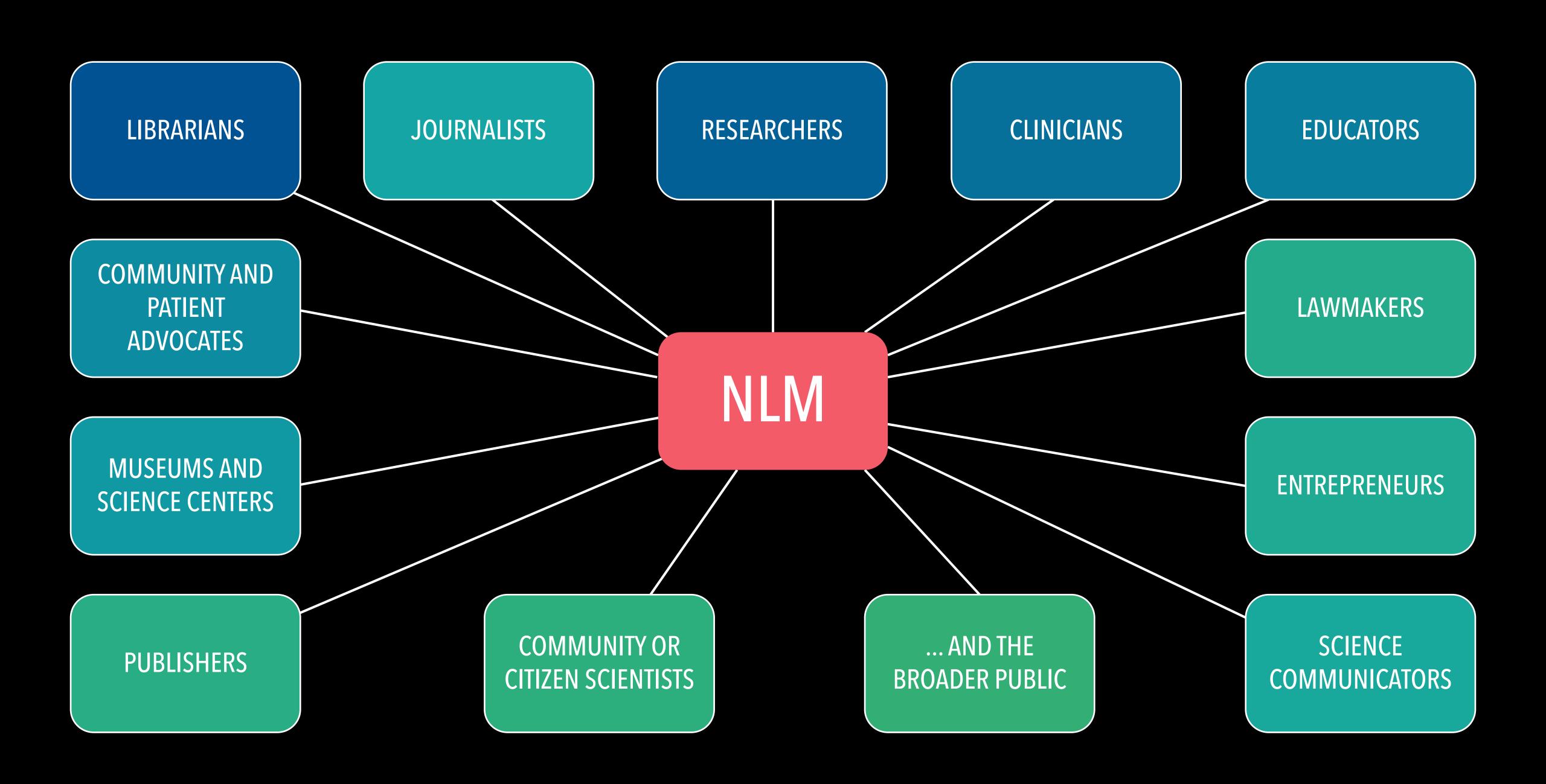
ENTREPRENEURS

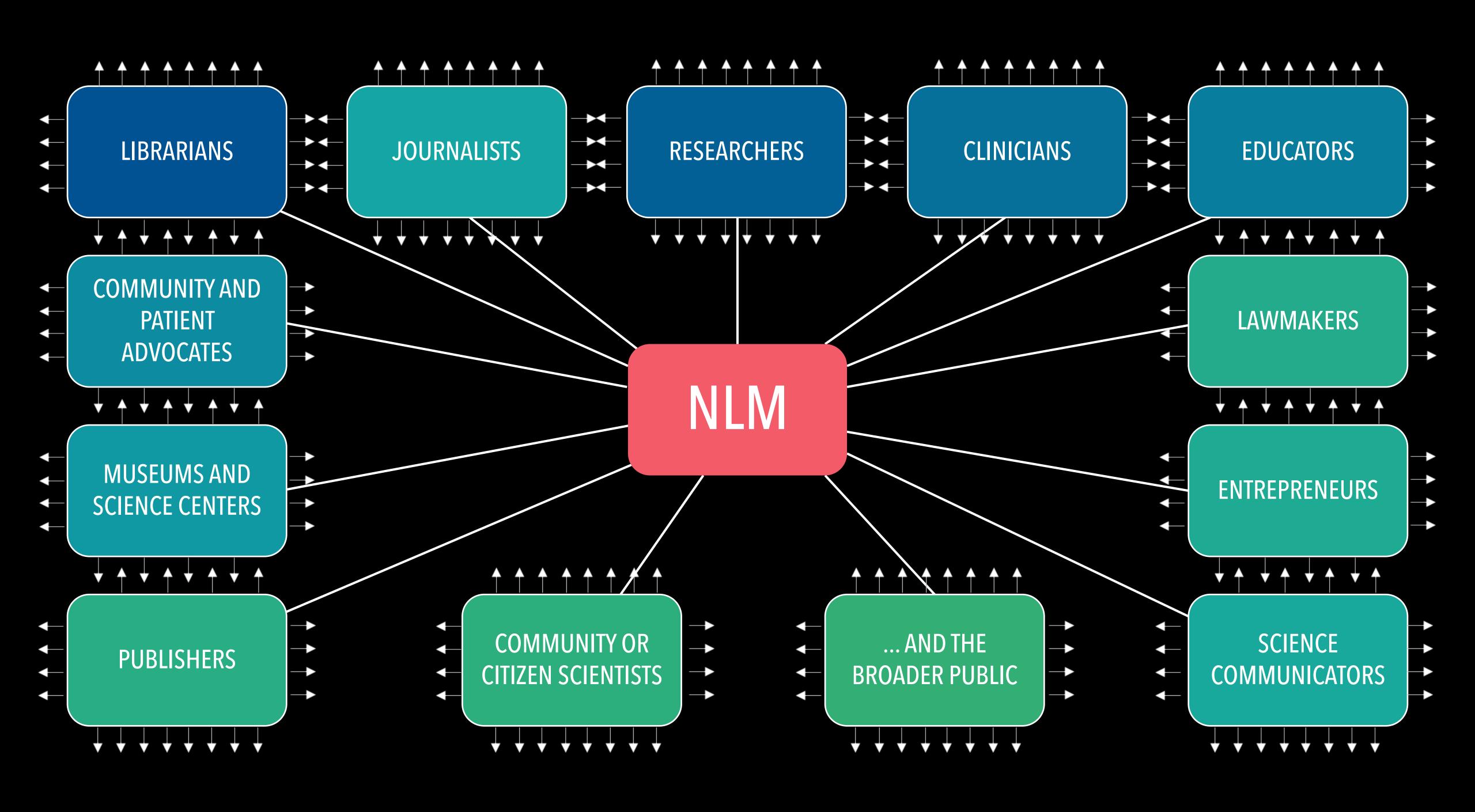
LAWMAKERS

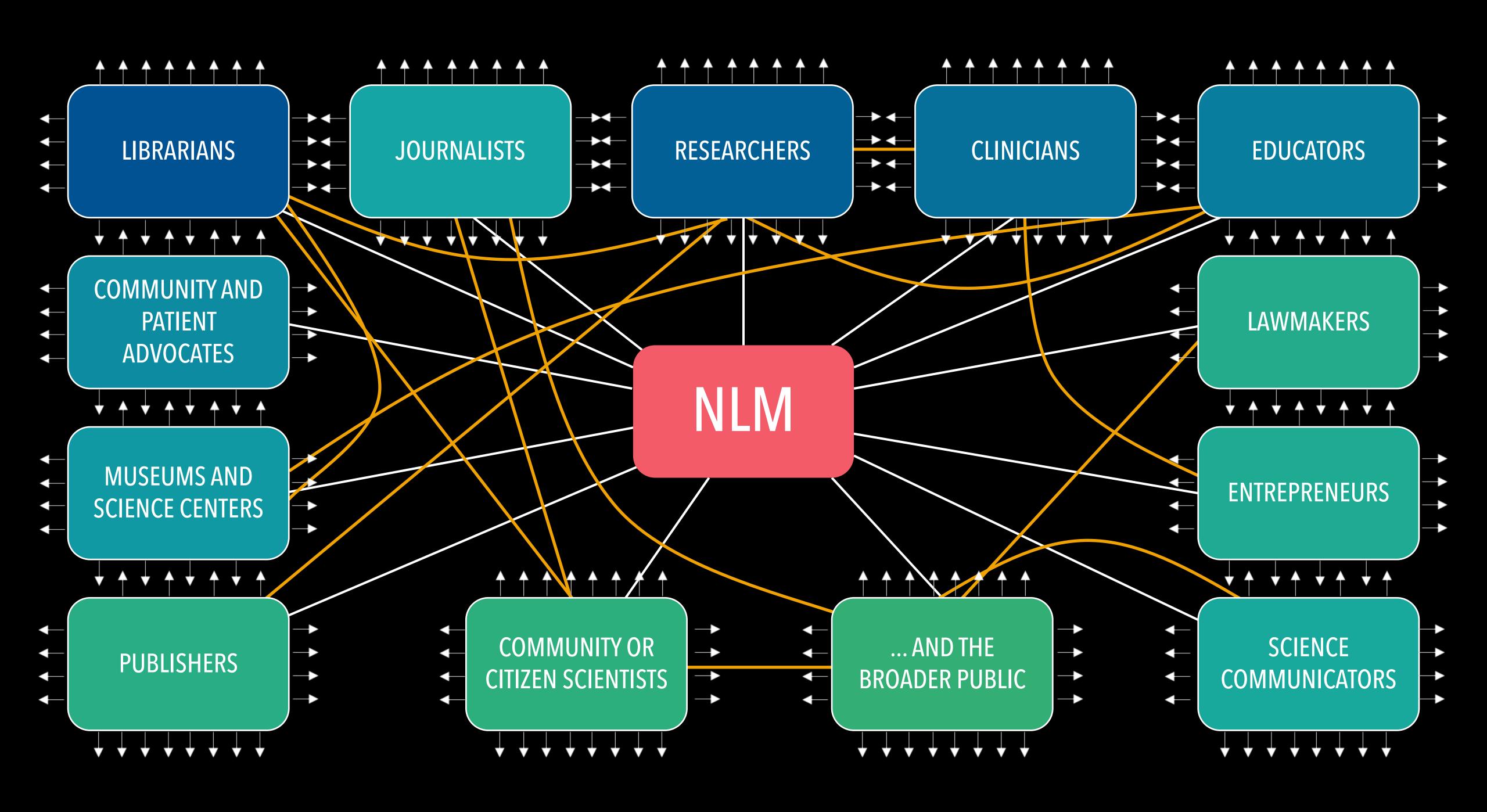
PUBLISHERS

COMMUNITY OR CITIZEN SCIENTISTS

.. AND THE BROADER
PUBLIC









NLM WORKSHOP ON ADVANCING A NETWORKED APPROACH TO EQUITABLE OPEN SCIENCE





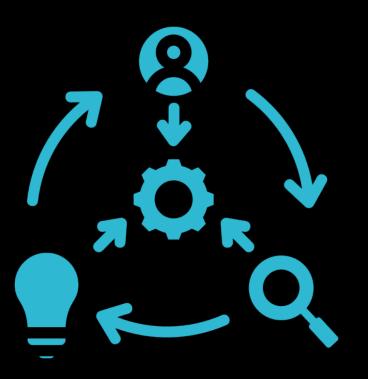
DAY 1



BRAINSTORMING

- What are the ways in which our work in OS and KT complement and/or contrast with one another?
- How can we heighten those synergies and contrasts to identify areas for bridge building and collaboration to extend reach?

DAY 2



SYNTHESIS

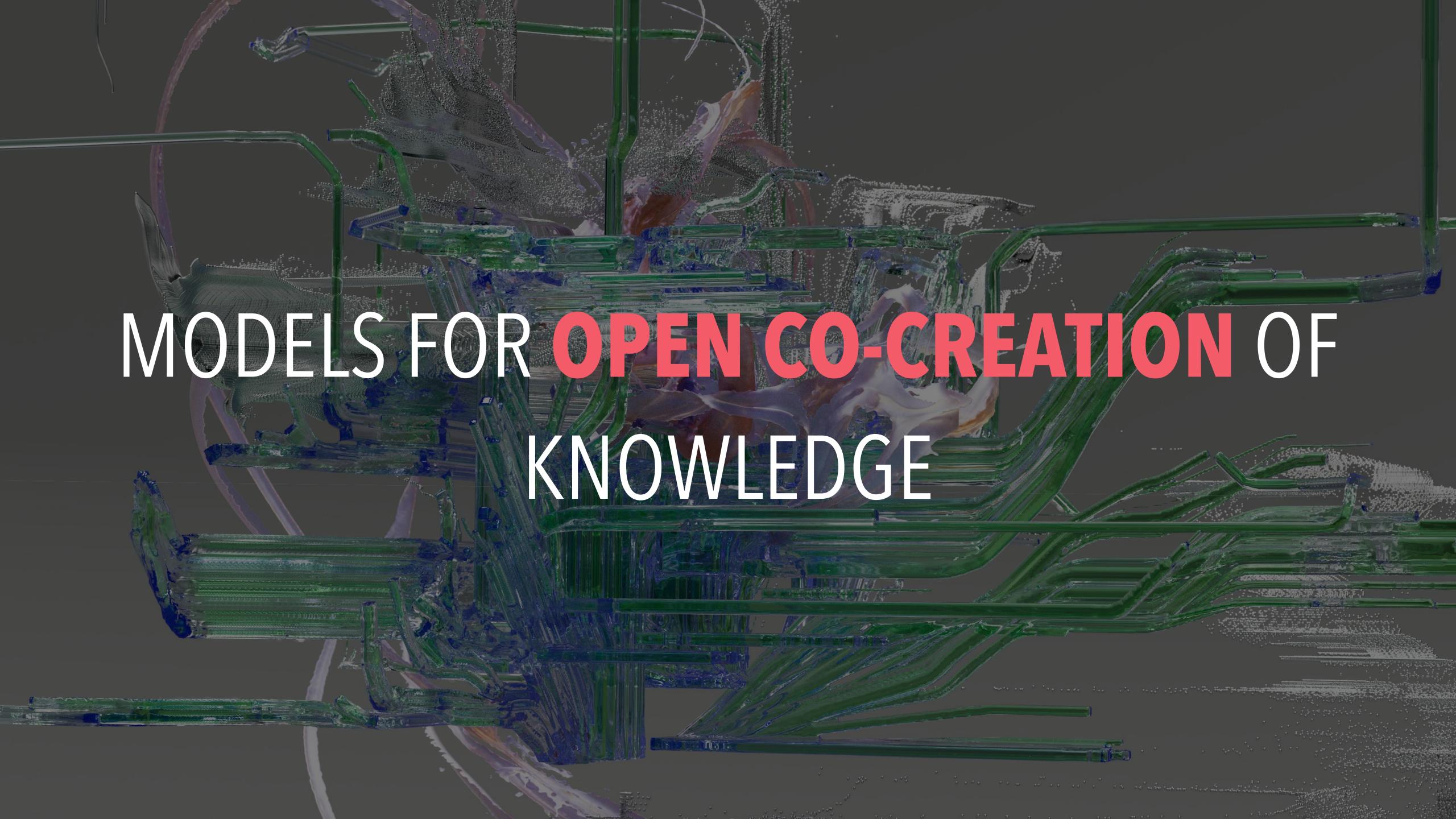
- What are opportunities to build out collaborations, networks, and feedback loops?
- How do we prioritize these opportunities?
- What does success look like?



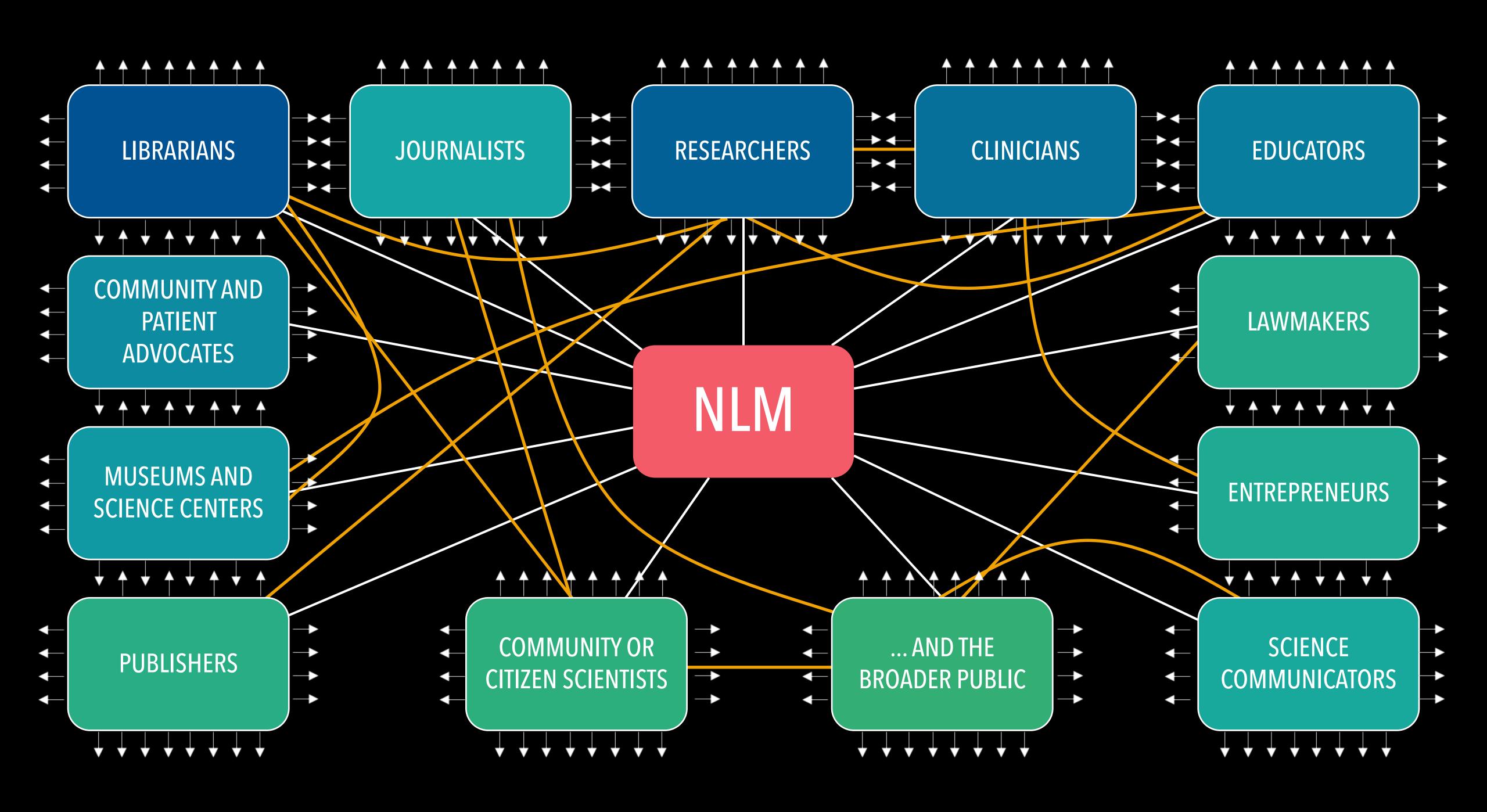


INCENTIVES! INCENTIVES! INCENTIVES!

legitimizing engagement as a critical tool in equitable open science.







GET IN TOUCH



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