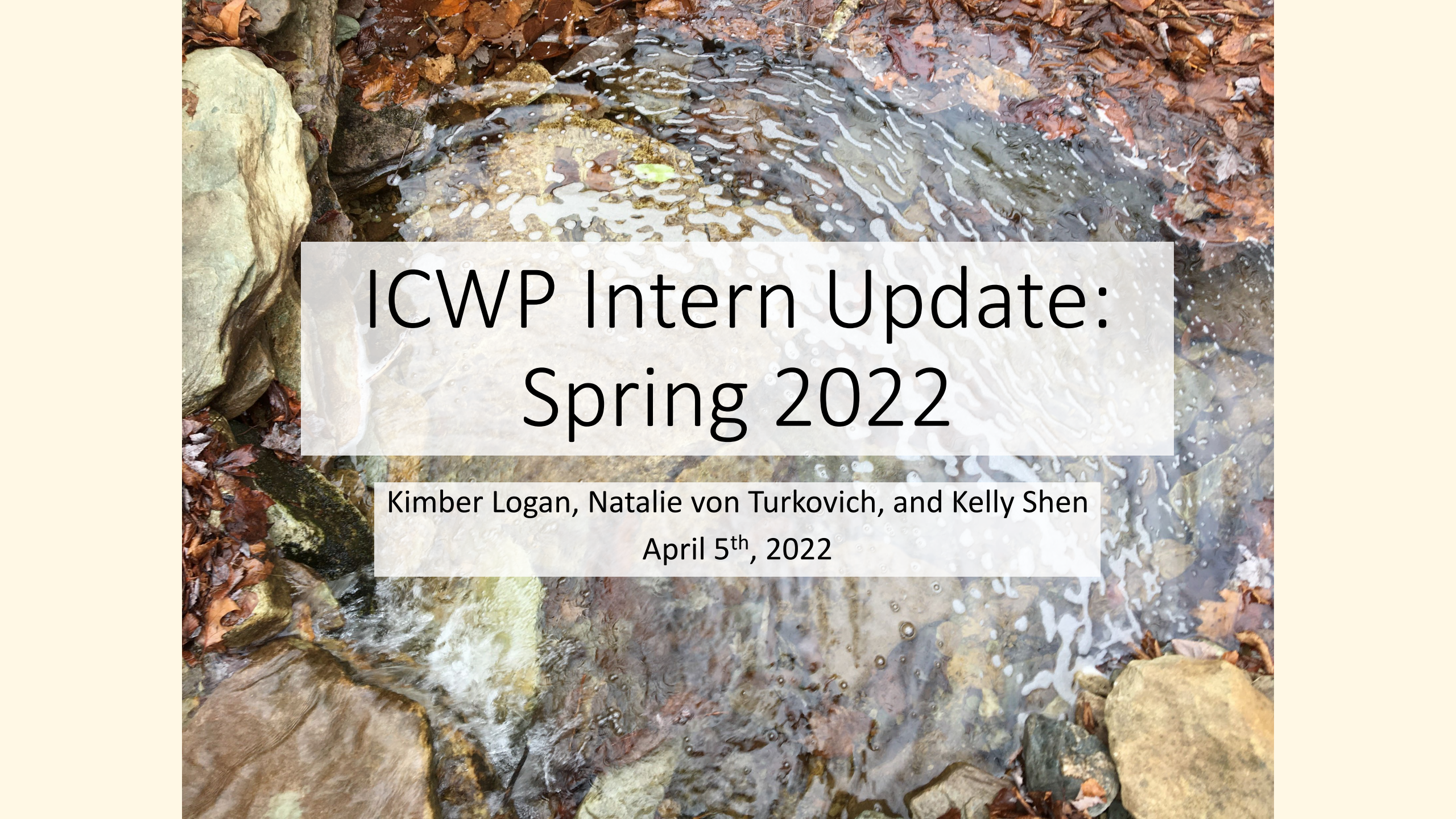




ICWP Intern Update: Spring 2022

Kimber Logan, Natalie von Turkovich, and Kelly Shen

April 5th, 2022

KIMBER LOGAN

- UNIVERSITY OF WYOMING COLLEGE OF LAW, JD CANDIDATE
- UNIVERSITY OF WYOMING, HAUB SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES, MA CANDIDATE
- BRIGHAM YOUNG UNIVERSITY – IDAHO, BA IN HUMANITIES, MINOR IN EUROPEAN STUDIES



HOW ARE STATES ASSESSING THE HEALTH OF THEIR IRRIGATION INFRASTRUCTURE?

- Survey statewide entities who provide funding to privately held irrigation systems.
- How are projects, repairs, and replacements prioritized?
- Best practices in place to understand infrastructure condition, which in turn informs funding needs.



An aerial photograph of a serene lake surrounded by a thick, lush green forest. The water is a clear, vibrant blue, and a small boat is visible in the middle of the lake, leaving a white wake. The forest is dense and covers the entire shoreline, with some small islands and peninsulas visible. The overall scene is peaceful and natural.

Federal Climate Action Plan Review

ICWP Intern –

Natalie von Turkovich

Overview



Recurring Themes

- Promote climate resilient lands, water and cultural resources
- Provide actionable data, information tools and projections
- Promote climate adaptation and readiness through grants and other economic development programs
- Foster and enhance the resilience of vulnerable communities as they will be most effected by climate change
- Modernize existing and build new critical infrastructure to be “climate ready”
- Increase “climate literacy” of the workforce and the stakeholders they serve

Strategies

1. Plan, prioritize and implement resilient solutions
2. Institutionalize climate adaptation across policies, directives and processes
3. Provide and enhance climate adaptation tools, technical support and climate science information
4. Advance climate equity - Support tribal, insular and underserved community resilience
5. Train and empower next generation of conservation and resilience workers

Challenges



Need for cooperation - interstate, interagency & between federal, state and local governments



Incorporation of relevant information into decision making



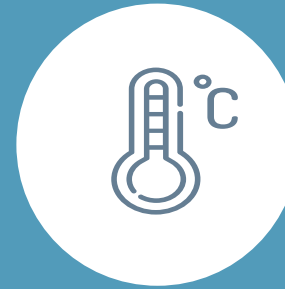
Need for meaningful engagement strategies



Staffing - need for staff to implement new programs



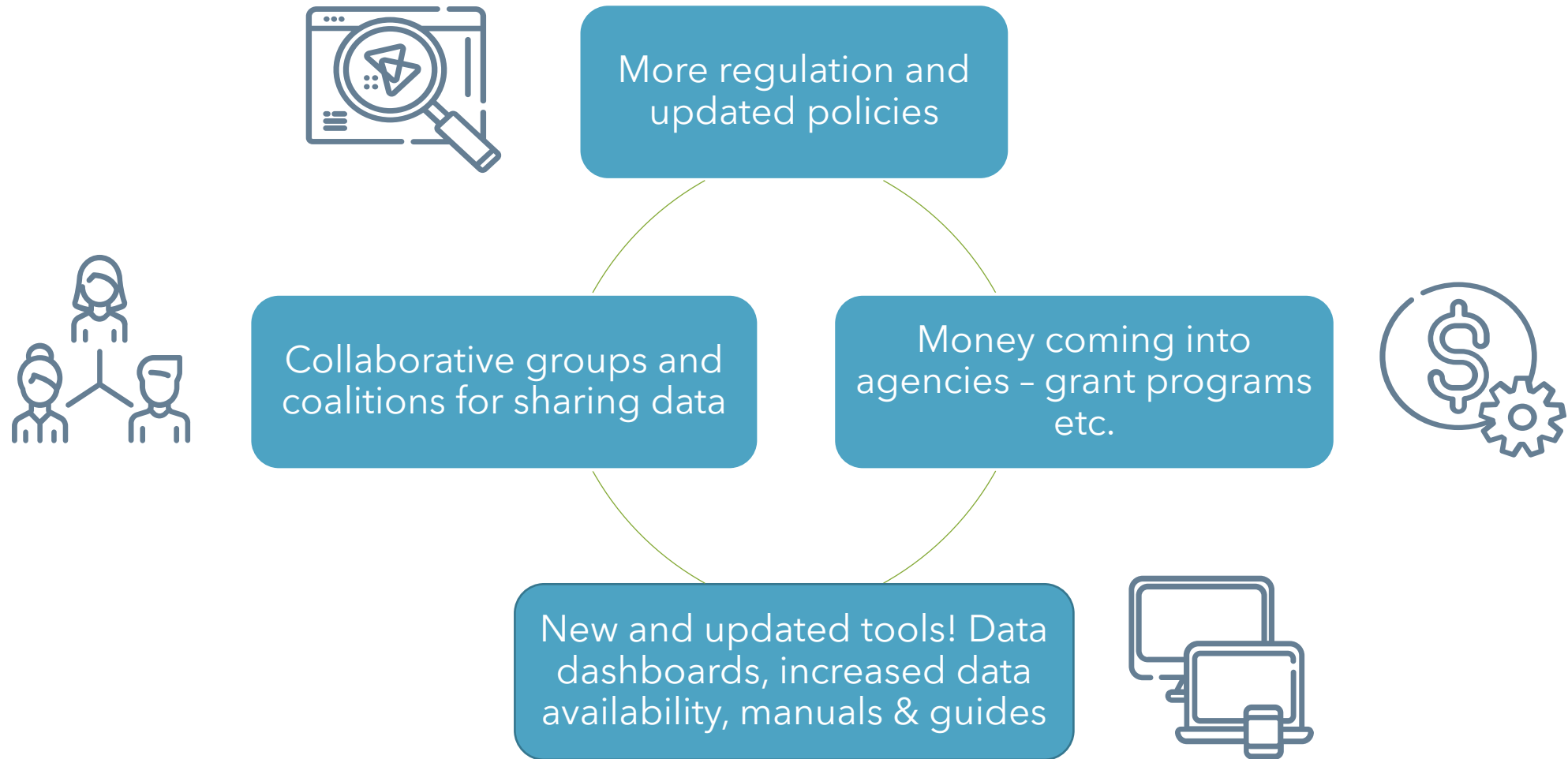
Need to determine best use of funding



Effects of climate changing will propose and increasingly greater challenge



Resources to Look Out For



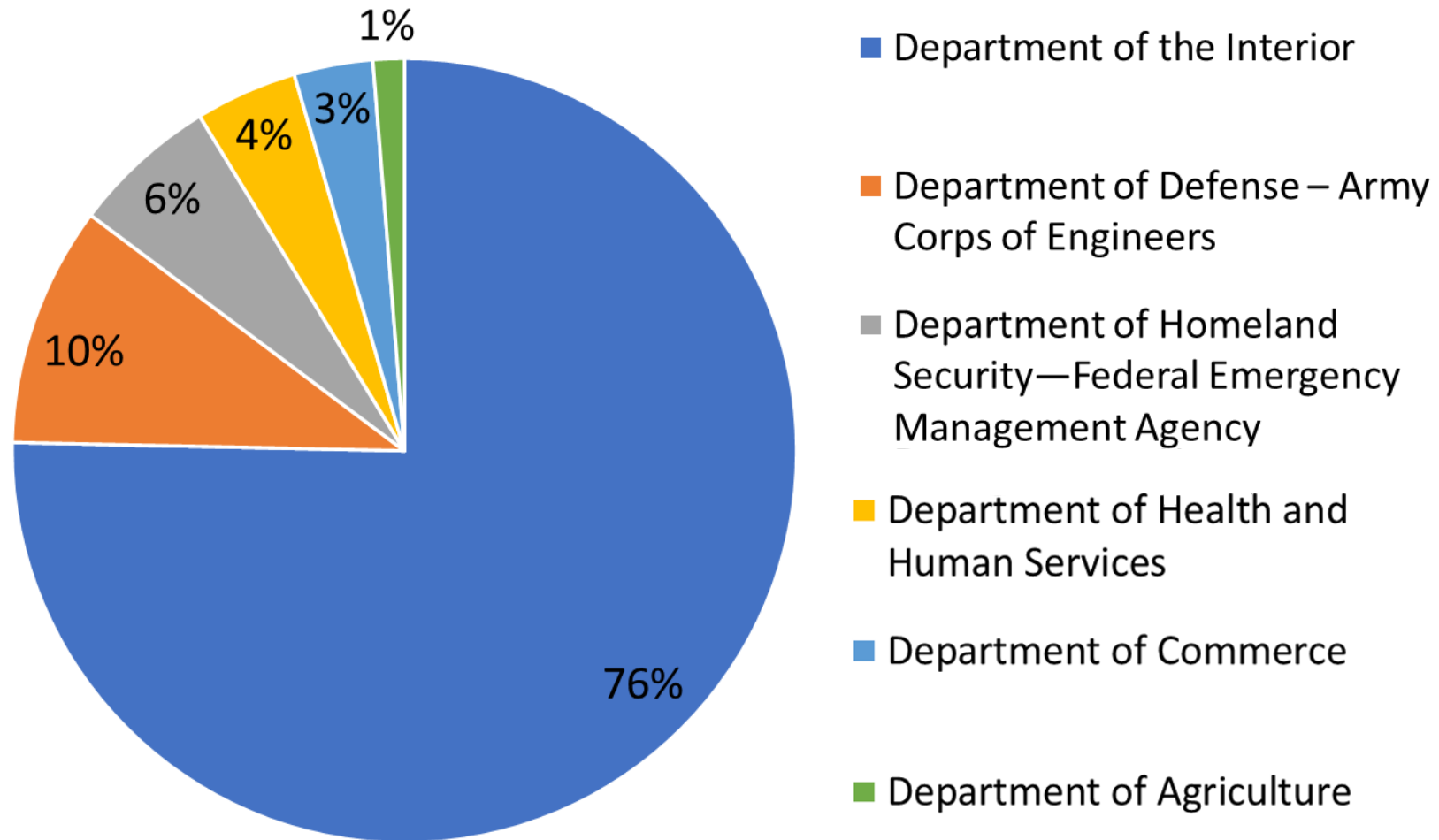
Analysis: Bipartisan Infrastructure Law Guidebook

Kelly Shen
ICWP Spring 2022 Intern

Goals

Understand the funding opportunities available for ICWP-relevant agencies and programs within the Bipartisan Infrastructure Law, or Infrastructure Investment and Jobs Act (IIJA)

ICWP-relevant IIA funding by U.S. Department



TOTAL: \$83,248,868,000

Highlights



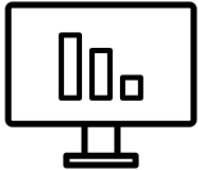
\$43.4B for Clean Water and Drinking Water State Revolving Funds

- Capitalization grants for establishing revolving funds
- Emerging contaminants
- Lead service line replacement



\$17.9B for resilience-related projects

- Community resilience
- Habitat restoration and nature-based solutions
- Construction projects to reduce flood risk



\$492M for NOAA flood and inundation mapping and forecasting

- Modernized precipitation modeling
- Both coastal and inland



\$7.6B for U.S. Army Corps of Engineers “Construction” Projects

- Inland flood risk management
- Coastal storm damage reduction
- Aquatic ecosystem restoration

Equity Considerations

3 out of 84 programs specifically highlight need to prioritize underserved and disadvantaged communities:

1. EPA's "Water Infrastructure Improvements for the Nation Small and Underserved Communities Emerging Contaminants Grant Program" – \$5,000,000,000
2. NOAA's "National Oceans and Coastal Security Fund" – \$492,000,000
3. NOAA's "Habitat Restoration" Program – \$491,000,000



Thank you!

Contact information:

Kimber Logan (klogan7@uwyo.edu)

Natalie von Turkovich (natalie.von.turkovich@duke.edu)

Kelly Shen (kelly.shen@duke.edu)