SAG Workshop 1

March 25, 2022

Project team

PI:
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Co-PIs:
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Professor, Stevens Institute of Technology

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Professor, New Jersey Institute of Technology

Dr. Yang Deng,
Professor, Montclair State University

Project key personnel:
Dr. Karin Sjöstrand
Research Associate, Stevens Institute of Technology

Dr. Colette Santasieri
Executive Director of the Center for Community Systems
New Jersey Institute of Technology

Lisitai Yang
PhD student, Montclair State University

Workshop attendees

Group 1

Christian Hauser, Sea Grant

Harry Zhang, WRF

Sandra Wilbur, City of Durham

Robyn De Young, EPA

Pinar Balci, NYC DEP

George Schuler, TNC

Karen Firehock, GIC

Seth Brown, National Stormwater Alliance

Daniel Van Abs, Rutgers

Kristina Hopkins, USGS

Cam McNutt, NCDEQ

Group 2

Troy Hartley, Sea Grant

Jessica Brown, Sea Grant

John Taylor, Township of West Windsor

Nick Angarone, NJ DEP

Johnny Quispe, TNC

Patrick Miller, Virginia Tech

Rosana Da Silva, Hudson River Foundation

Michael De Luca, Rutgers

Ann English, Montgomery County DEP

Jeff Bergman, Western Pennsylvania Conservancy

Jamie Ewalt Gray, DNREC

Group 3

Jenna Clark, Sea Grant

Rebecca Shuford, Sea Grant

Amin Davis, NCDEQ

Jennifer Schneider, Town of Secaucus

Samantha Rachko, EPA

Madhu Guru, NJ DEP

Aileen Craig, TNC

Kathy Hale, NJ Water Supply Authority

Christopher Obropta, Rutgers

Dominique Lueckenhoff, Hugo Neu

Michael DeVuono, Arcadis

Michel Boufadel, NJIT

Project Overview

- Funding: NOAA through The National Sea Grant Office
- Project timeline: January 2022 – December 2024
- Primary objective:

  optimize the deployment of innovative GI/LID techniques to mitigate runoff and pollution impacts on freshwater systems and eventually protecting the coastal ecosystems in the U.S.

- Specific aims:
  - Identify key knowledge gaps
  - Prioritize research needs and roles of the Sea Grant Network
  - Administer a competitive research grant program
  - Develop a strategic document to serve as a roadmap for the Sea Grant Network

NOAA

Sea Grant
NJ Sea Grant Consortium

STEVENS
INSTITUTE of TECHNOLOGY
THE INNOVATION UNIVERSITY®

MONTCLAIR STATE UNIVERSITY

NJIT
New Jersey Institute of Technology

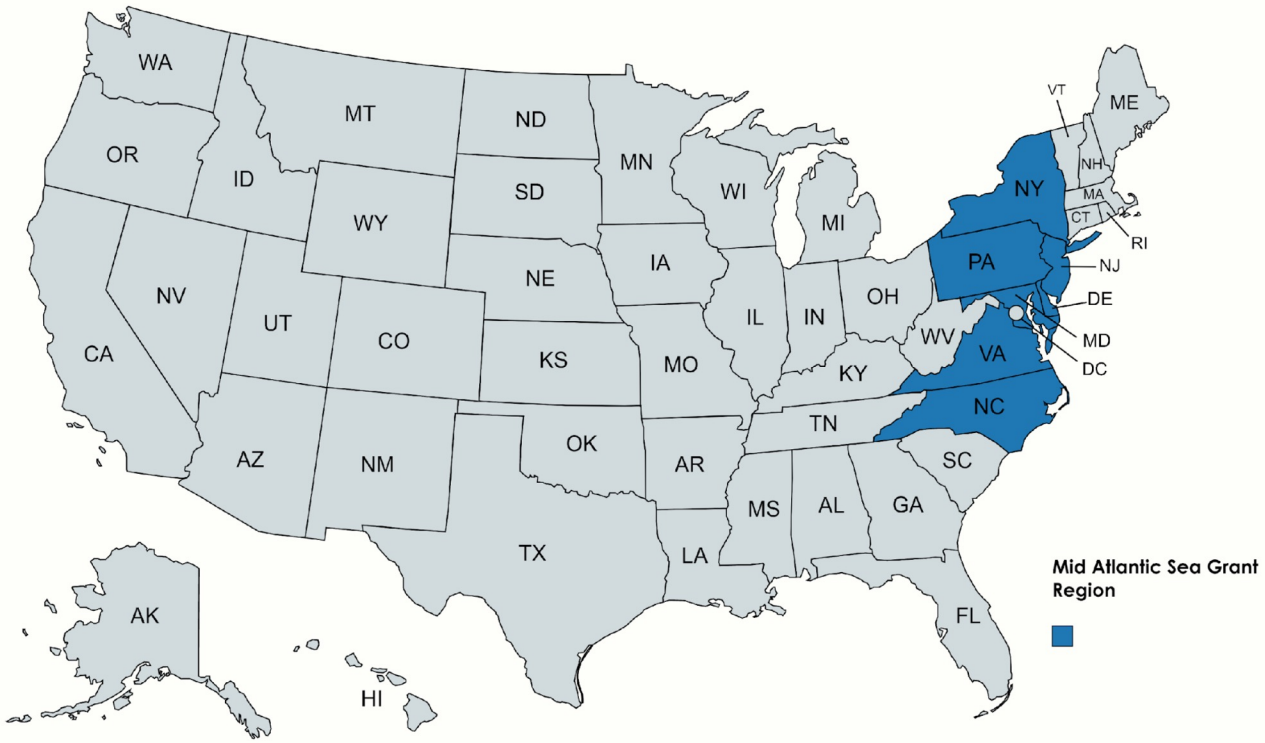
Scoping study (6 months)

- Literature review
- Interviews
- Stakeholder survey
- SAG workshops

- Prioritized research areas
- Sea Grant roles and activities

Strategic Document

Competitive Research Program (30 months)

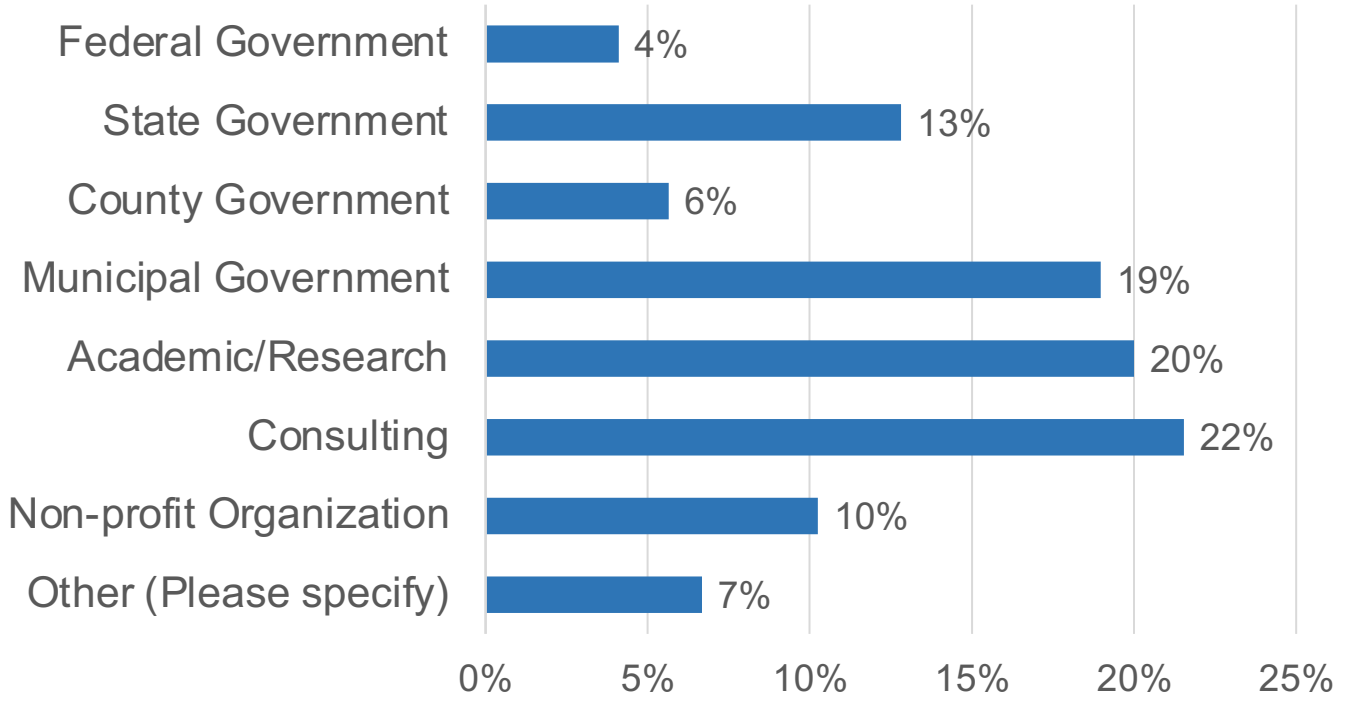


- Fund up to three competitive research projects (NY-NJ-DE-PA-MD-VA-NC)
- Address knowledge gaps and research needs identified in the scoping study
- Update the strategic document

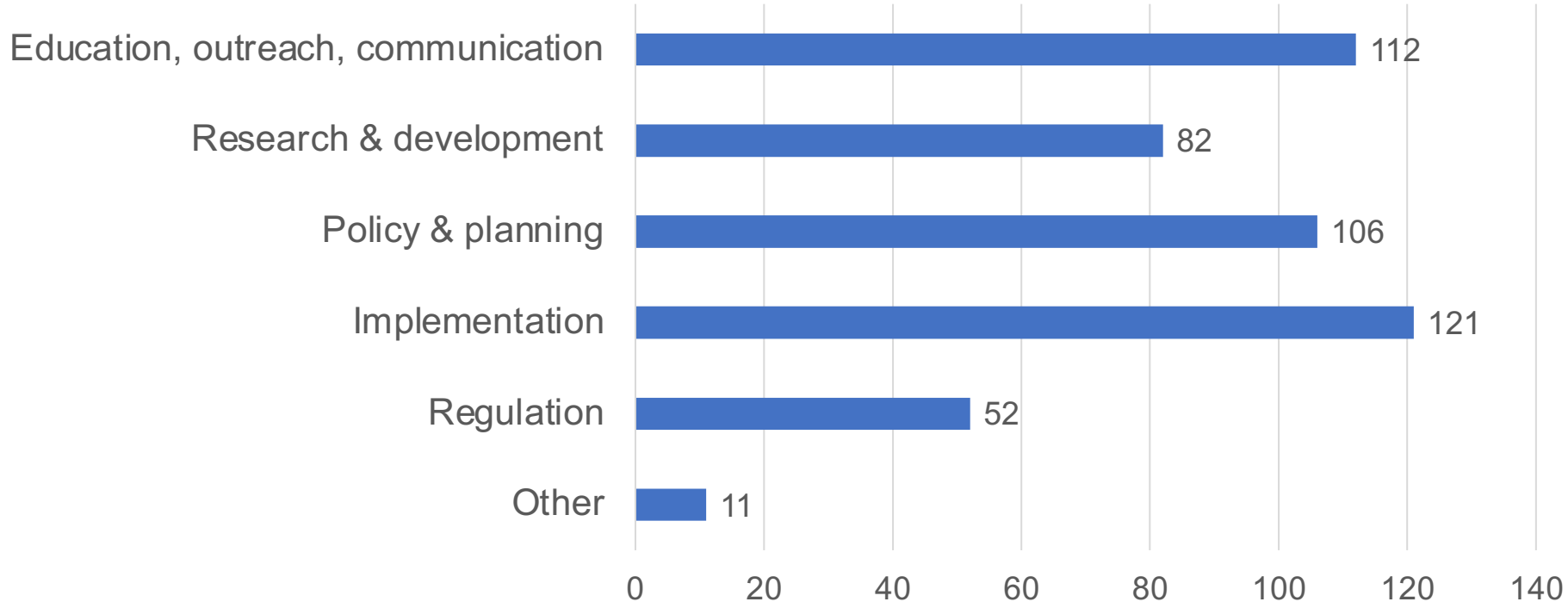
Agenda

Time	Activity
9:05 – 9:10	Welcome
9:10 – 9:15	Project Overview
9:15 – 9:20	Poll
9:20 – 9:50	Key Challenges (break out session)
9:50 – 10:00	Group Report-Outs
10:00 – 10:05	Poll
10:05 – 10:35	Information Gaps (break out session)
10:35 – 10:45	Group Report-Outs
10:45 – 11:00	Break
11:00 – 11:05	Poll
11:05 – 11:35	Prioritized Research Areas and Activities (break out session)
11:35 – 11:45	Group Report-Outs
11:45 – 11:55	Survey Results
11:55 – 12:00	Closing Remarks

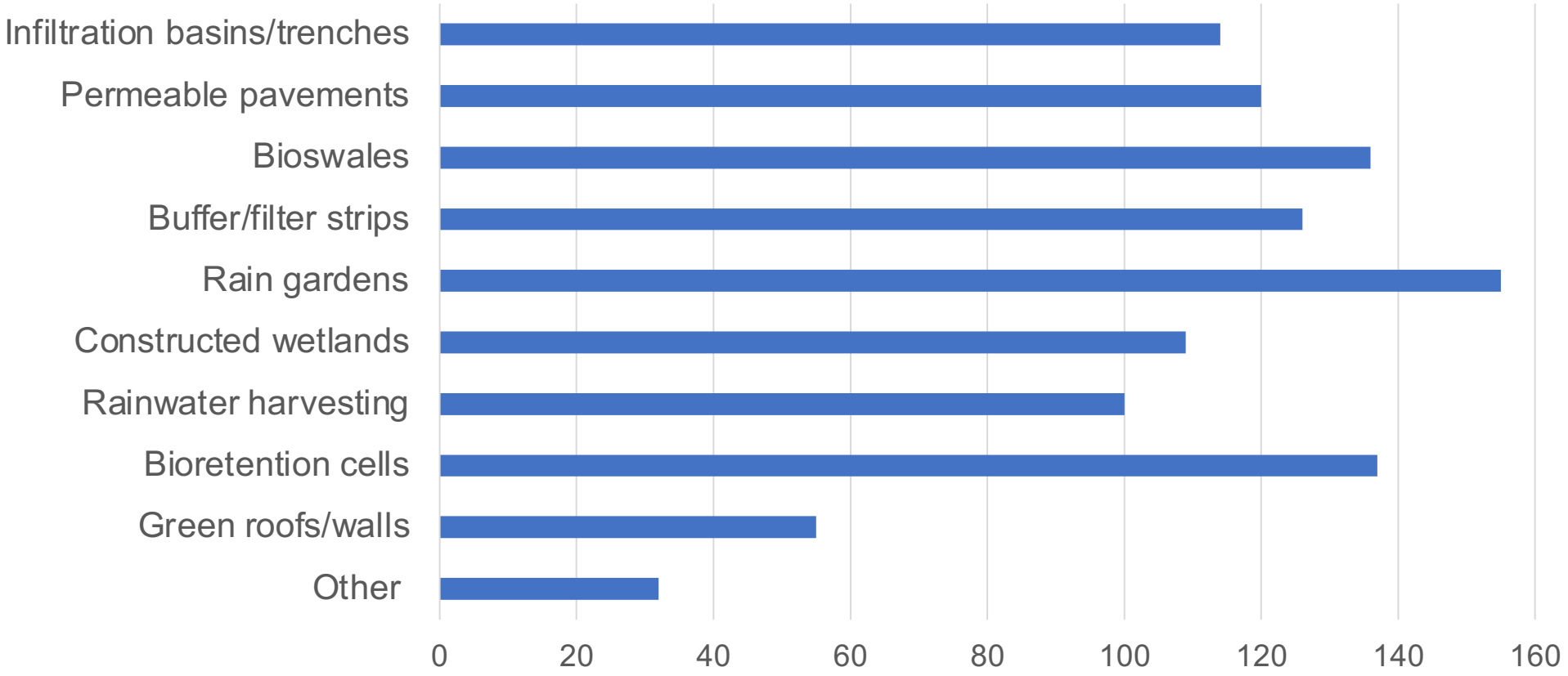
Online survey ~200 respondents



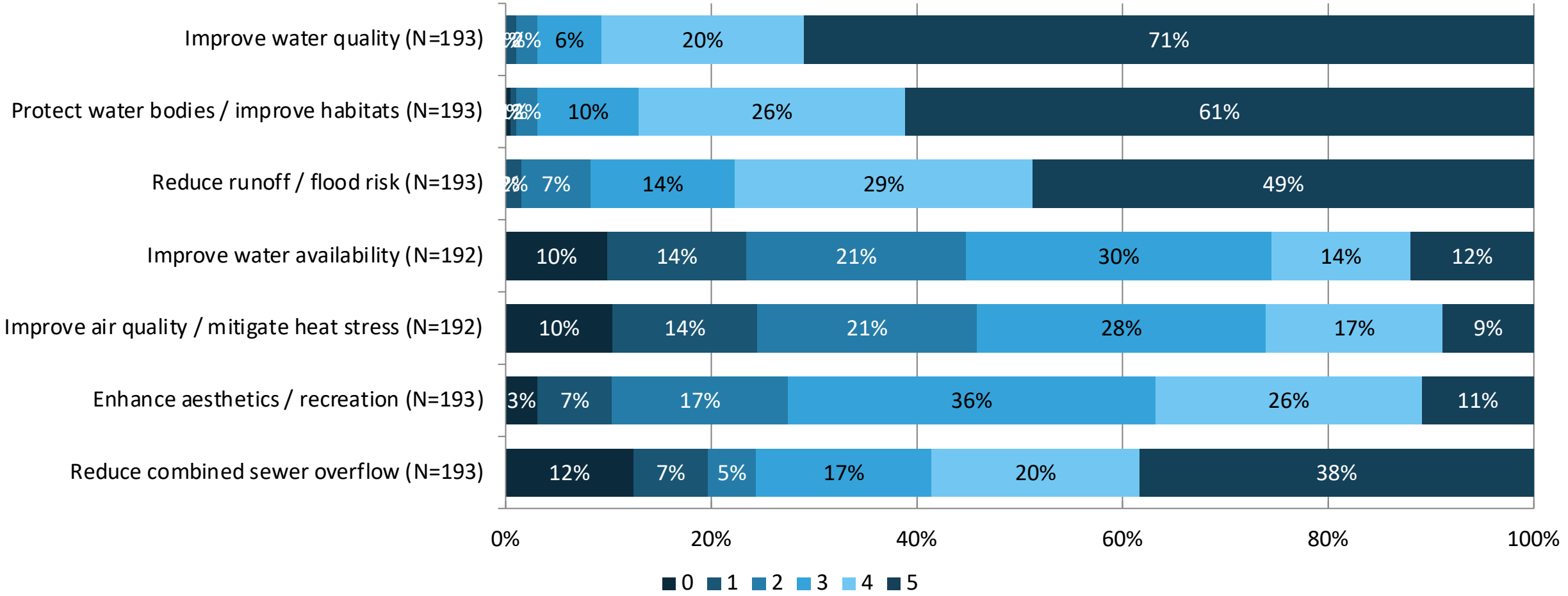
Type of GI/LID experience



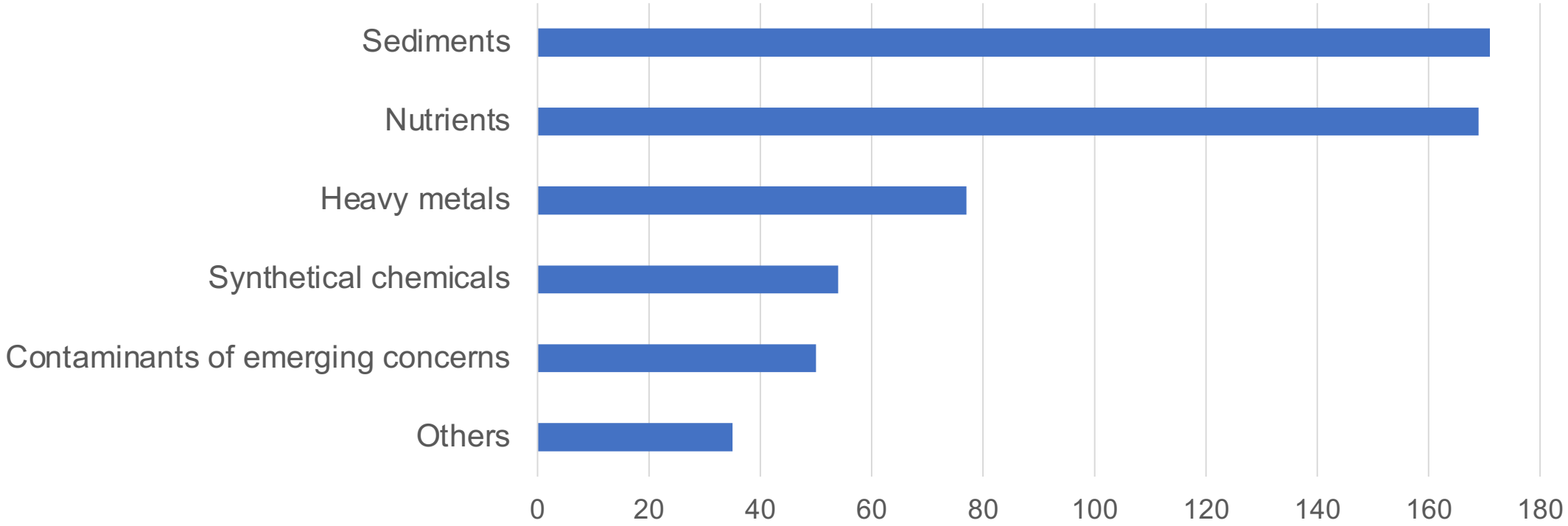
GI/LID Experience



Importance of GI/LID benefits



Pollutants of concern



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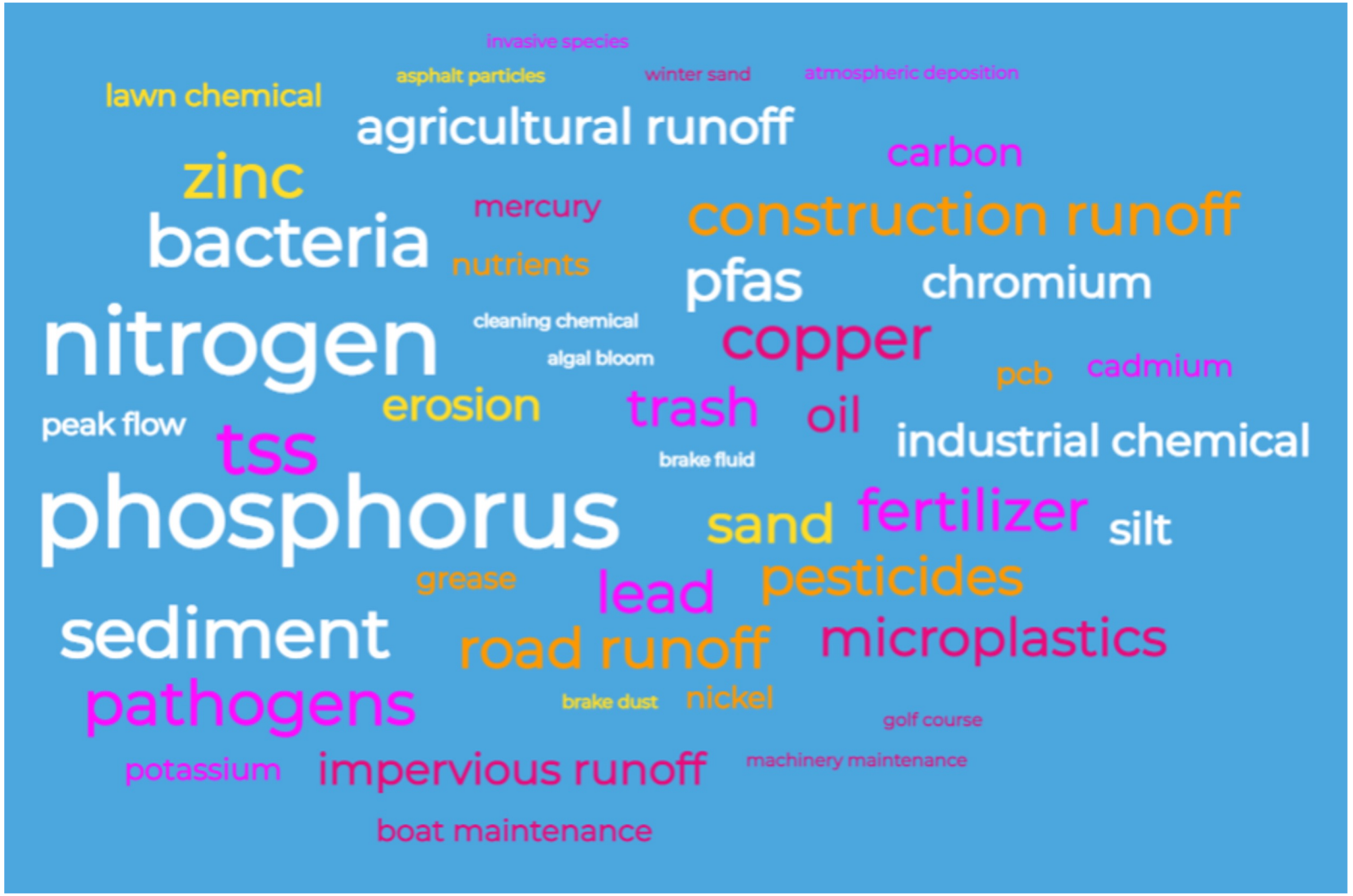
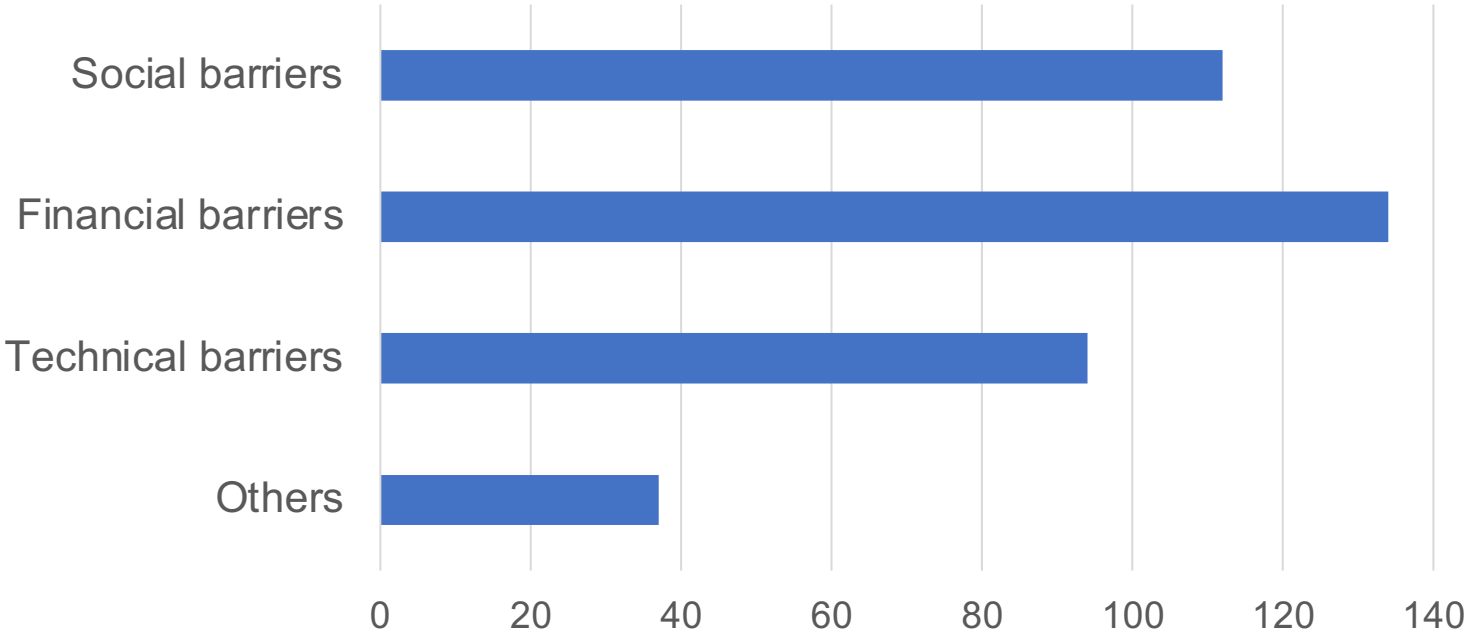


Barriers


Social barriers
Financial barriers
Technical barriers
Others
0
20
40
60
80
100
120
140

Social barriers

Knowledge gaps
&
Research needs