



## Implementing Metabarcoding into the Great Lakes Early Detection and Monitoring Program

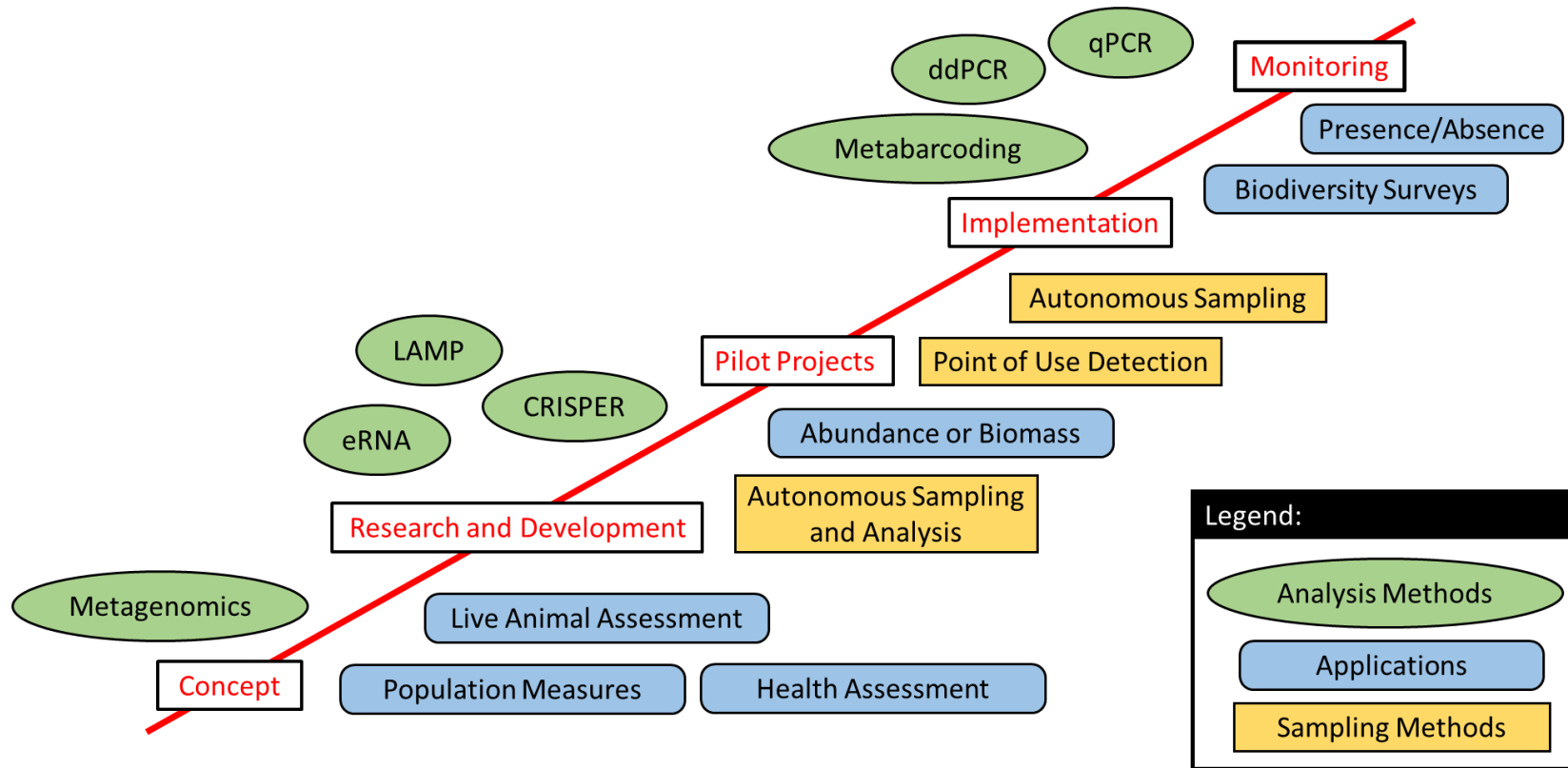


Adapted from Lodge et. al. 2006

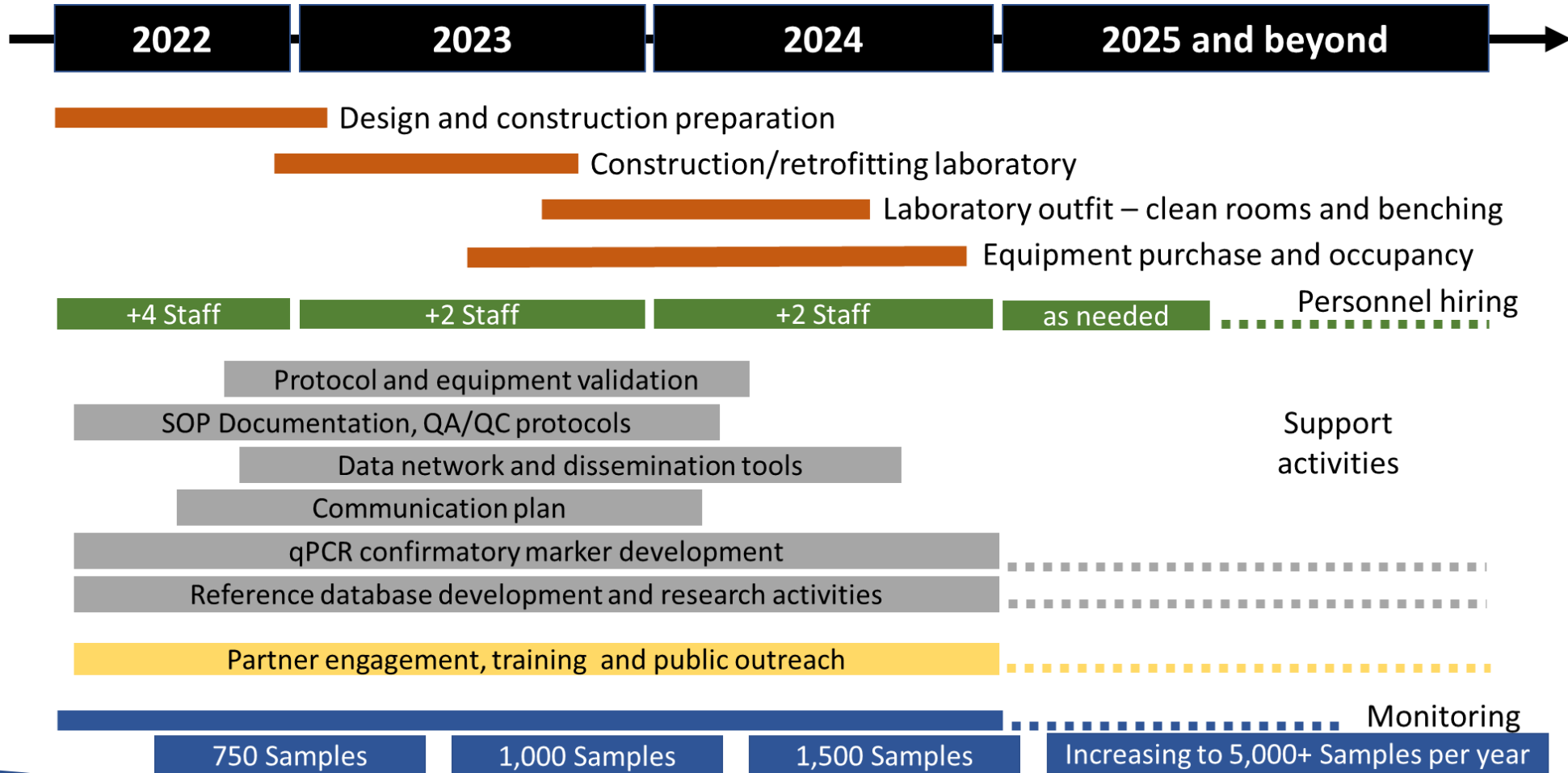




# eDNA Implementation Continuum – AIS

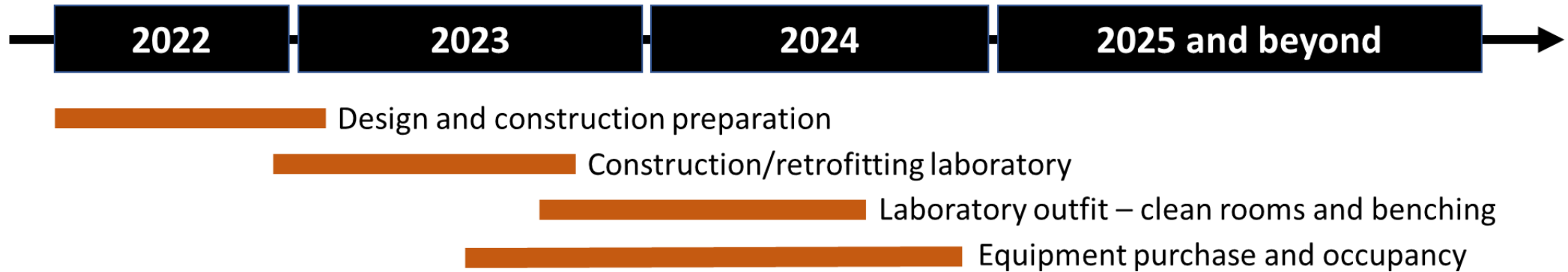


# USFWS Great Lakes EDM Program





## Lab Build Out



- New build (Lamar) and retrofit (WGL) initiated with GSA
- GLRI Interagency Agreement signed week of Oct 24, 2022
- Some equipment has been purchased



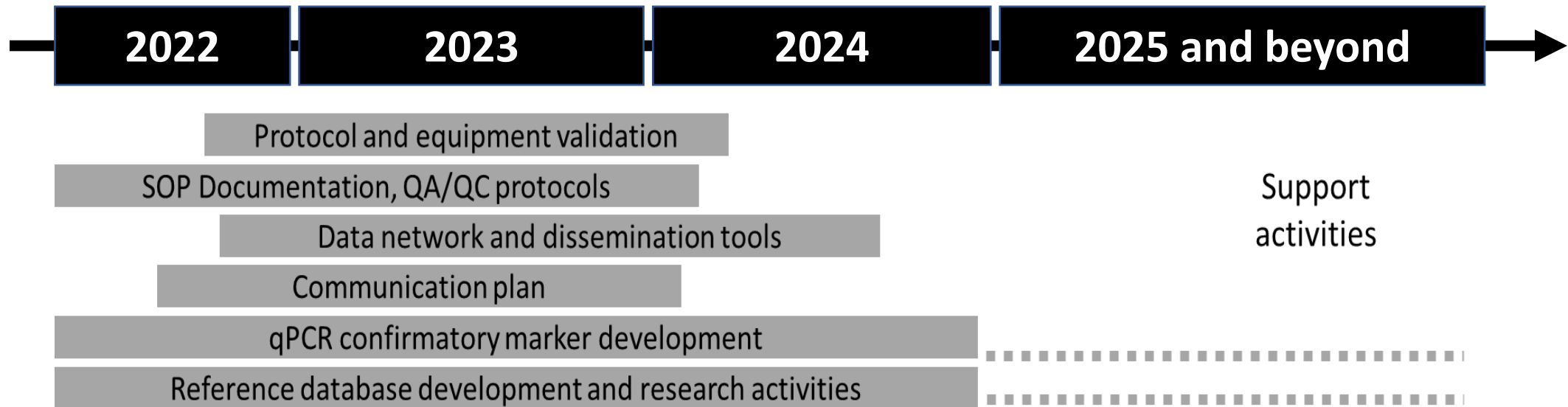
## Staffing



- Writing position descriptions
- Working on hiring details and timing



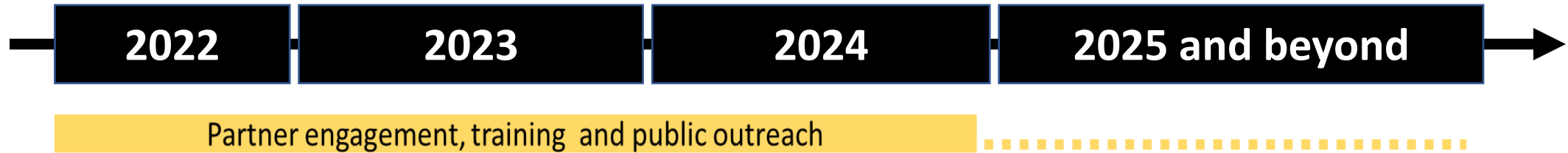
## Plans and Protocols



- Stepping up data management from pilot to monitoring
- QA/QC talks are beginning



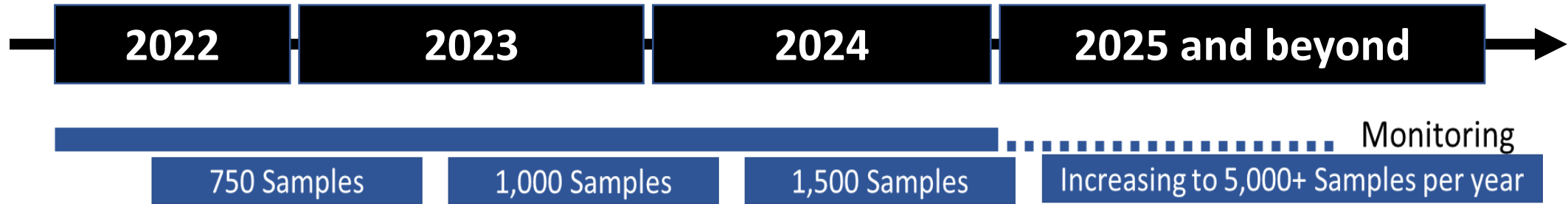
## Outreach



- May – funding recommendation
- July – partner information meeting
- November – GLP update
- February – 2023 IEDRR surveillance coordination meeting



## 2023 Sampling



- 2022 data completed
- USFWS EDM annual staff meeting – Discuss 2023 sampling



# Thank You

Aaron Maloy, Jason Coombs & Meredith Bartron

*USFWS-Northeast Fishery Center, Lamar, PA*

Rachel Brown & Pat DeHaan

*USFWS-Whitney Genetics Lab*

Sandra Keppner

*USFWS-Lower Great Lakes FWCO*

Amy McGovern & Nicholas Frohnauer

*USFWS-Region 3 Aquatic Invasive Program*

