

# Technology for Managers

Tuesday afternoon, 12:00 p.m. – 5:00 p.m.

The “Technology for Managers” workshop is designed to give a broad overview of technologies, tools, practices, and processes that managers of data-related projects should know. The targeted audience includes project/program managers that don't always work directly with data or technology and can't program, but do need a contemporary understanding of data management practices, data sharing methods, mapping and data visualization technologies, and product development processes. They will also learn where to turn in order to continue learning after they leave Pittsburgh.

After an introduction by Bob Gradeck (Pittsburgh) and Eleanor Tutt (St. Louis), the afternoon will be broken out into three sessions. The workshop is designed to go a mile wide and an inch deep, covering a wide range of topics but leaving you the option to delve deeper.

Session one of the workshop will focus on managing data. The purpose of this session is to show what's out there and to provide ideas and guidance as you incorporate these techniques into your workflow. We welcome the University of Pittsburgh Library System Digital Scholarship Team to discuss topics ranging from metadata to licensing to security.

The second session of the workshop will delve into the new world of information sharing. Ryan Kelly (Providence) will share some of his experience working with Application Programming Interfaces (APIs). Bob and the Library Team will cover open data portals and data acquisition/cleanup processes. Time permitting, other NNIP partners with experience on this topic can share their experiences with file formats and data conversion.

Following a short break, the final session of the workshop will tackle technology available to the NNIP Partner. Eleanor Tutt (St. Louis) will provide an inventory of software tools available, including GIS, data visualization, data extraction and cleanup. She will also cover how to use Github to share projects. Laura Meixell (Pittsburgh) will spend some time describing how to approach technology for projects.

We will break for small group discussion that will attempt to answer many of the questions that people have about software tools, including but not limited to:

- When to use open source software or purchase off-the-shelf software
- When to outsource a project (to a consultant or another NNIP Partner)

- How to staff a project internally
- Where to find contractors to use for data projects

The final 15 minutes of the workshop will be reserved for wrap-up and takeaways. Happy hour is planned for 5pm at a nearby tavern and the hope is to continue the conversation from the workshop in a less formal setting.