The Library, an Essential Companion Through the Research Lifecycle: From Conception to Publication

Hilda T. Ayala-González, Jaquelina E. Álvarez, Grisell Rodríguez, & Anidza Valentín

University of Puerto Rico - Mayagüez - General Library

BACKGROUND

Created by the General Library at the University of Puerto Rico - Mayagüez (UPRM), the Graduate Research and Innovation Center (GRIC) was inaugurated in September 2016 and is changing the institutional research ecosystem through library engagement with the research scholars. One of the most distinctive aspects of the GRIC since its conception, is that it was designed around its users' needs.

Results from the 2010 faculty survey and 2014 in-depth interviews to key researchers and administrators revealed:

Needs
- Technical writing
- Communication skills
- Search strategies
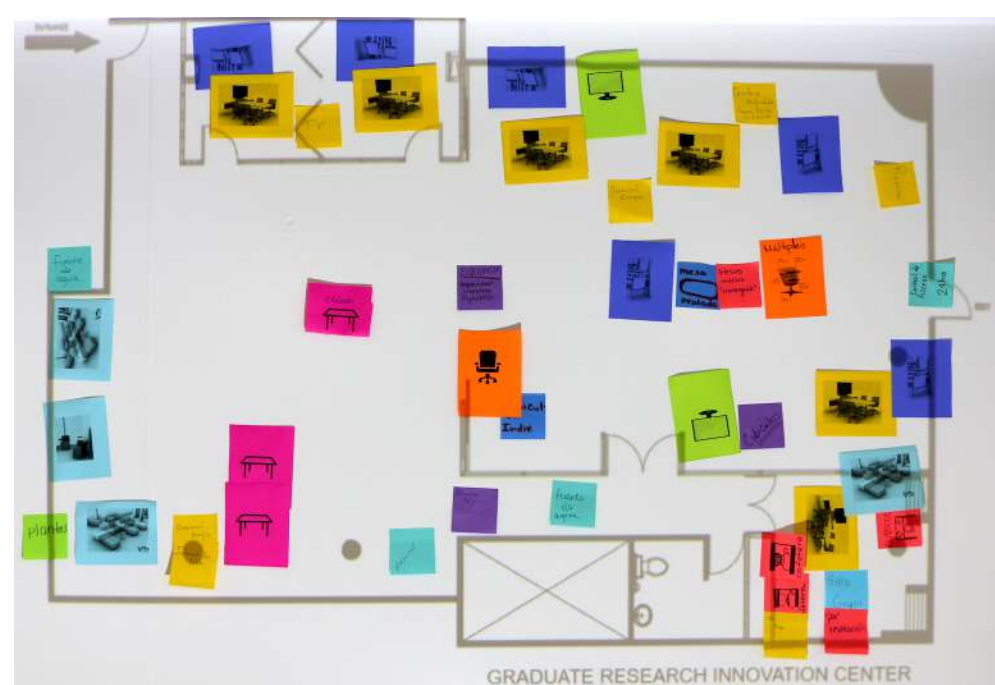- Ethical use of information

Also noted was the lack of services in areas such as:

Services
- Research methodology
- Data management
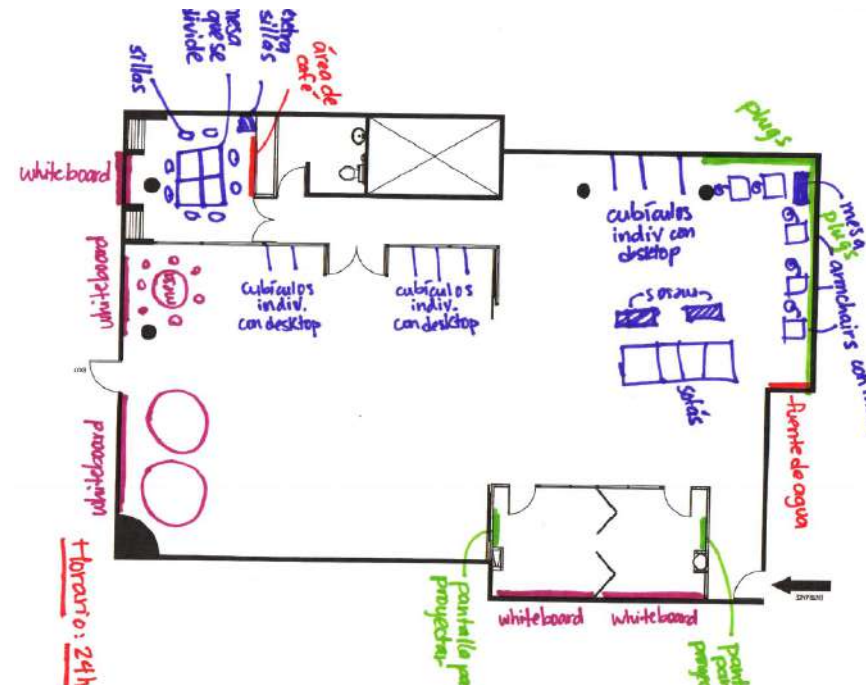- Digital scholarship
- Scholarly communication

METHODOLOGY

Using graduate students and faculty members input, the designed space encompasses state-of-the-art furniture, adaptable to different learning environments, and powerful cutting-edge technologies to support research and innovation.

Collaborative Design — Flexible & Tailored to Needs

Suggested layout was gather through informal activities with students and researchers

GRIC's current layout

Tables and chairs have wheels and can be re-arrange as need it; layout is always changing and fresh.

Services Supported — 21st Century Library

Library Services Supporting the Research Lifecycle

- **Review** *What's out there* — Research Strategies, Literature Review, Data Sources
- **Plan** *Organize yourself* — Reference Manager, Style Manuals, Data Management
- **Create** *Work it smoothly* — Scholarly Communication, Audiovisuals Tools, Academic Integrity, Technologies, Integrate Data
- **Preserve** *Think of the future* — Document, Metadata, Formats, Storage, Archive Data
- **Disseminate** *Let others know* — Copyright, Publishing Tools, Style & Layout, Share Data
- **Share** *Increase visibility* — Institutional Repository, Researcher Profiles, Open Access, Data Repository
- **Impact** *Analyze metrics* — Views, Downloads, Citations, Data Reuse

Conception and implementation of library services to support the research lifecycle

As a strategy to address researchers' needs, a team of librarians analyzed the research lifecycle and mapped the newly-created services to each of its stages making it easier for researchers to recognize what the library can do for them.
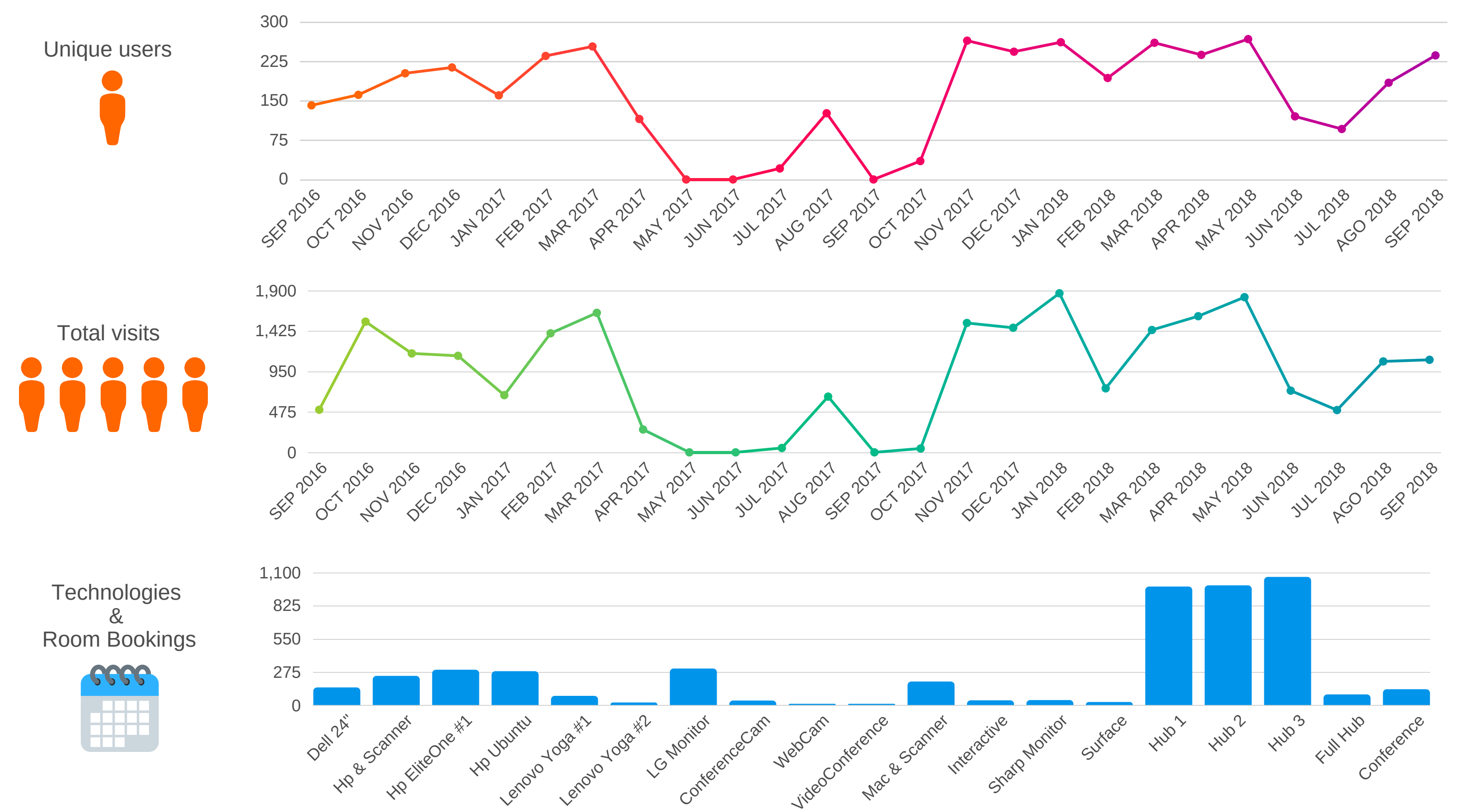
This novel service model provides guidance from the conception of a research idea through its development and ultimately transformation into the publication of the final research product (output).

The model consciously highlights various elements that librarians at GRIC can address in one-to-one consultations or plan as a workshop for greater audiences.

It also provides a dedicated section for research data management as a unique niche for library research support and includes the Institutional repository, where researchers can deposit and publish their outputs.

ACCOMPLISHMENTS

Since the GRIC opened, it has received 803 unique users: 689 graduate students, 104 faculty/researchers, and 10 guest. This users have visited the space 22,877 times and reserved the rooms or the technologies 4980 times.

- Unique users
- Total visits
- Technologies & Room Bookings

Others needs have been addressed with new workshops, specialized consultations and providing an ideal environment for theses defenses.

Writing services — Individual consultations
76, 127, 148, 157, 69
(2016-2017-1S, 2016-2017-2S, 2017-2018-1S, 2017-2018-2S, 2018-2019-1S)

Writing clinics topics examples
- Literature Review
- Writing for STEM
- Tone and Audience
- Transition and Clarity
- Grammar Basics
- Elevator Speech
- Organization
- Oral Presentation
- Evidence in STEM
- Poster Presentations
- Abstracts
- Grammar Review

Writing clinics — 402 participants 2016-2018

Thesis defense — Theses and dissertations defenses
1 Proposal, 1 Dissertation, 42 Theses

Defenses per year
4 (2016), 11 (2017), 29 (2018)

Defenses per UPRM Faculty
6 (Agriculture), 18 (Arts & Science), 22 (Engineering)

GRIC's success has been made possible by establishing key partnerships to organize activities according to the community needs. In two years 211 activities were offered reaching 4,343 participants.

Activities — New workshops offered 2016-2018
25, 23, 15, 31

Participants in workshops 2016-2018
390, 456, 377, 842

Workshop topic examples
- Data Management
- R for Data Science
- LaTeX
- Grant Writing
- WordPress
- Online Presence
- Academic Integrity
- Scalar
- Turnitin / Ithenticate
- Graphics Copyright
- Intellectual Property
- Big Data

MORE INFORMATION

http://libguides.uprm.edu/gric

gric@uprm.edu

@GRICUPRm

@GricUprm

GRIC UPRM

GRIC TEAM

GRIC

Poster