

Scholar@UPRM

Design, impact and best practices for a graduate research and innovation center

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Design, Impact and Best Practices for a Graduate Research and Innovation Center

Hilda Teresa Ayala-Gonzalez & Jaquelina Alvarez

General Library

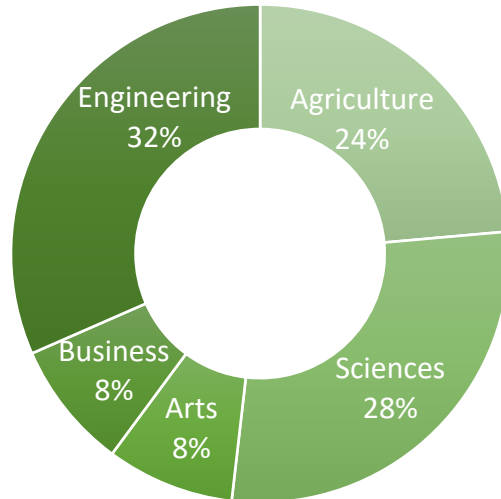
Cristina Pomales-García

Industrial Engineering

University of Puerto Rico-Mayagüez



UPRM Background



Identifying our constituent needs

2009

- Identify gaps & needs of Graduate Programs
- Surveys – Graduate Students
- Focus Groups – Program Coordinators



2012

2013

2014

Identifying our constituent needs

2009

2012

- Improved research culture across campus
- Discussion round tables
 - Faculty/Administrators/Graduate Students



2013

2014

Identifying our constituent needs

2009

2012

2013

- Policy changes to improve research culture
- Online Forums
 - Faculty/Graduate Students



2014

Identifying our constituent needs

2009

2012

2013

2014

- Assess current state of support for research computing & data management
- Interviews
 - Researchers/Information Technology/Administrators



Securing Funding

Engineering
Faculty



Library
Staff



Expand academic offering

Upraise institutional STEM
environment

Create experiential learning &
field research facilities

Technology-infused library &
collaborative learning space

Data management infrastructure

Library e-resources

FT research services
librarian

IT specialist

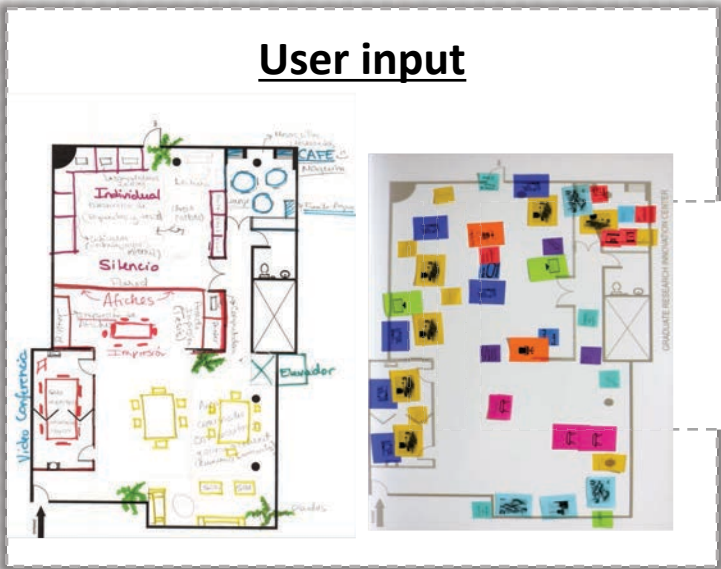
Meeting the needs of our graduate student and faculty community



Design and Implementation

Layout results

User input



Facilities



Inviting, comfortable, and easy to adapt according to users needs

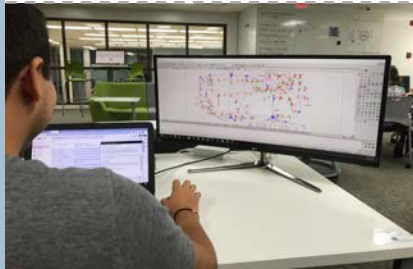


Technology and Equipment

Head Scanner + PC



35" Curved Monitor



55" + 80" Monitors



Floor to ceiling whiteboards
+ walls for writing



Media:scape + 32" Monitor
+ Laptops



Video Conference System
+ Stick PC



Library Services Supporting the Research Lifecycle



Workshop Topics



Research methodology

Data management 



Scholarly communication

Digital scholarship 



Search strategies

Ethical use of information 



Communication skills

Technical writing 



Impact

Our Student Research Fellows*

2017

7 Fellows
2 EREA



Come meet our Fellows and learn about their research projects!

TIGER

MINI-RESEARCH SYMPOSIUM 2017

TIGER & EREA Fellows Presentations

SEPTEMBER 1ST 2017
@ GRIC - GENERAL LIBRARY
2:00PM-4:00PM

EXTRAMURAL RESEARCH EXPERIENCE AWARD (EREA)
CLAUDIA RODRIGUEZ GONZALEZ - GEOLOGY
ANGEL JIMENEZ ARROYO - GEOLOGY

GRADUATE RESEARCH FELLOWS (GRF)
JEAN CARBALLO LEÓN - BIENGINEERING
JERÓNIMO LÓPEZ SANTIAGO - MECHANICAL ENGINEERING
NORMARELI PASSALACQUA - MATERIALS SCIENCE AND ENGINEERING
ABEL MORALES FERNÁNDEZ - ELECTRICAL ENGINEERING
MICHELLE ROSADO PÉREZ - BIENGINEERING
MANNY DE JESUS LÓPEZ - MATERIALS SCIENCE AND ENGINEERING
RACHID DARBAU ZAMORA - ELECTRICAL ENGINEERING

2018

6 Fellows
4 EREA



Come meet our Fellows and learn about their research projects and updates!

TIGER

2 MINI-RESEARCH SYMPOSIUM 2018

TIGER & EREA Fellows Presentations

SEPTEMBER 7 2018
@ GRIC - GENERAL LIBRARY
1:00PM-4:00PM

EXTRAMURAL RESEARCH EXPERIENCE AWARD (EREA)
ZOEJ RIVERA OCASO - CROP & AGRO-ENVIRONMENTAL SCIENCES
KEVIN VÉLEZ ROSADO - GEOLOGY
RACHID DARBAU ZAMORA - ELECTRICAL ENGINEERING
MELVIN LUGO ALVAREZ - ELECTRICAL ENGINEERING

GRADUATE RESEARCH FELLOWS (GRF)
JEAN CARBALLO LEÓN - BIENGINEERING
MICHELLE ROSADO PÉREZ - BIENGINEERING
JERÓNIMO LÓPEZ SANTIAGO - MECHANICAL ENGINEERING
NORMARELI PASSALACQUA - MATERIALS SCIENCE AND ENGINEERING
MARIAM VÁZQUEZ - MATERIALS SCIENCE AND ENGINEERING
MANNY DE JESUS LÓPEZ - MATERIALS SCIENCE AND ENGINEERING

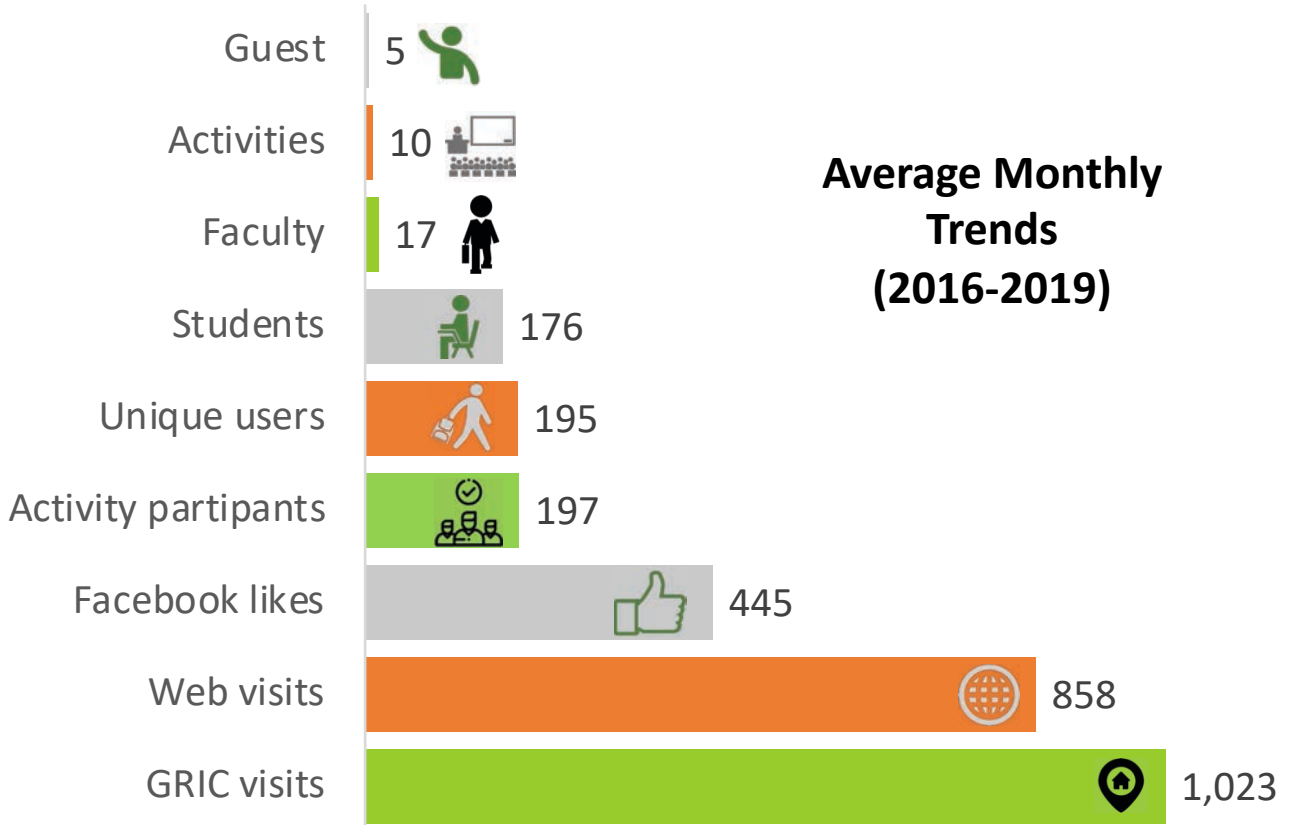
2019

6 Fellows
3 EREA

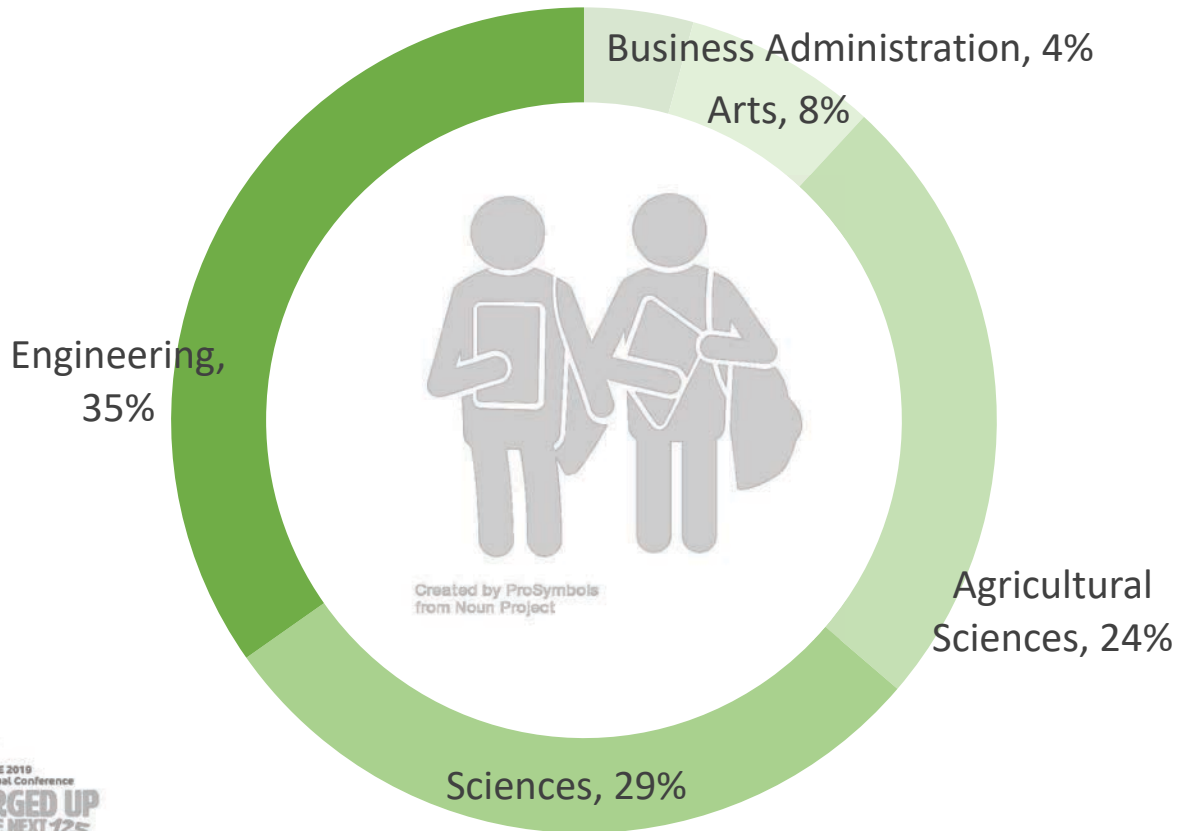
*Graduate Research Fellows (9 Fellowships)

Extramural Research Summer Experience Award Fellows (11 EREA Fellowships)

GRIC in #'s

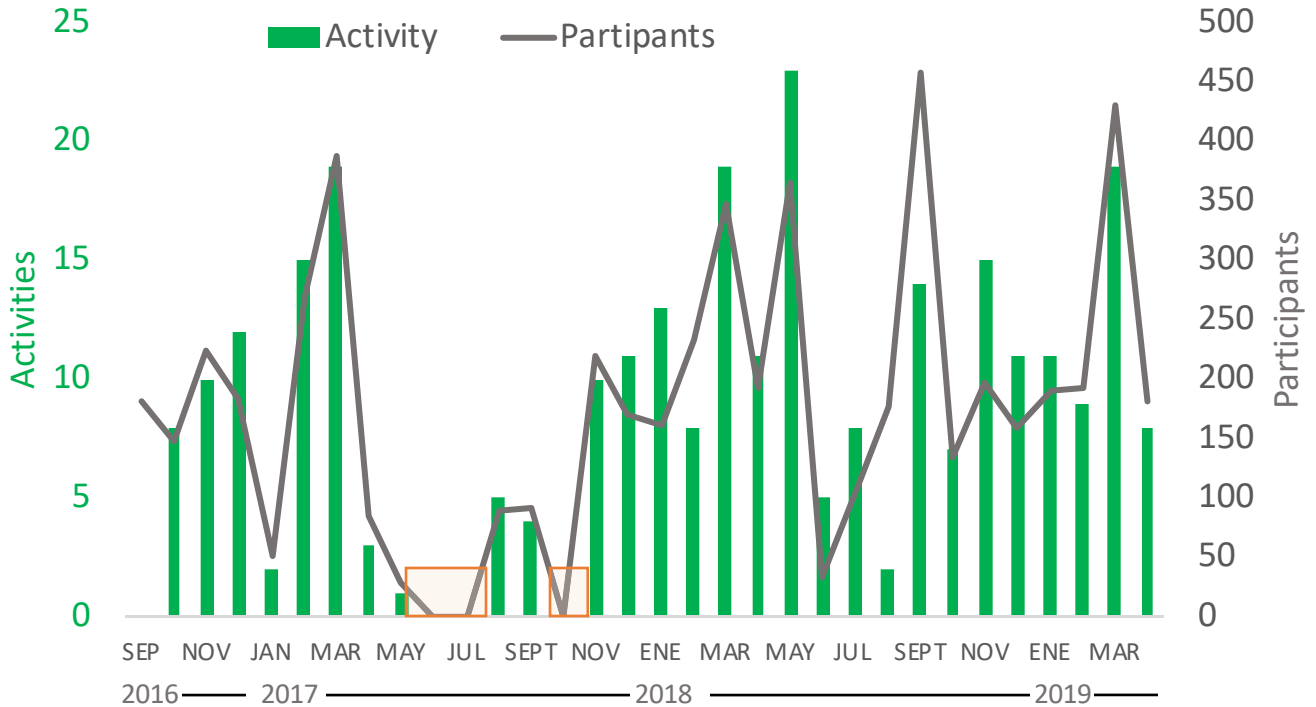


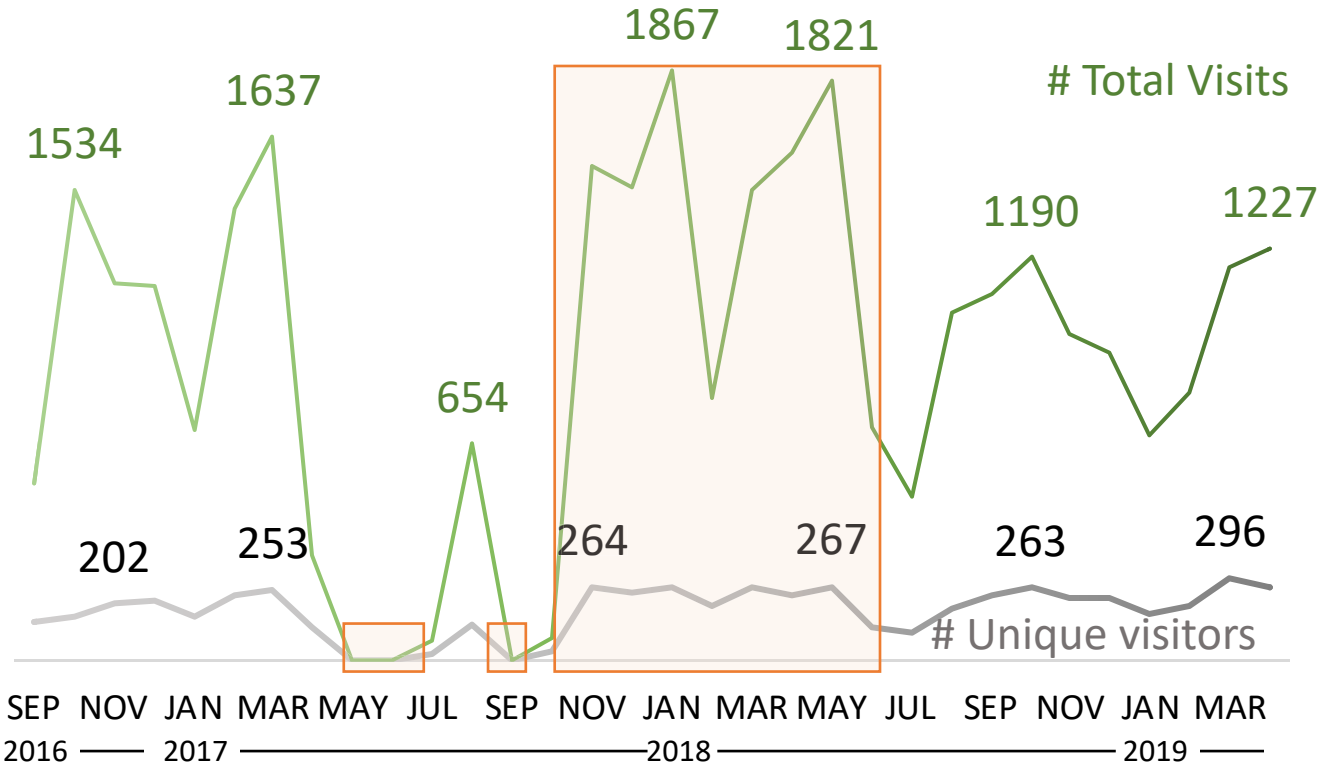
Graduate Student Visitor Profile



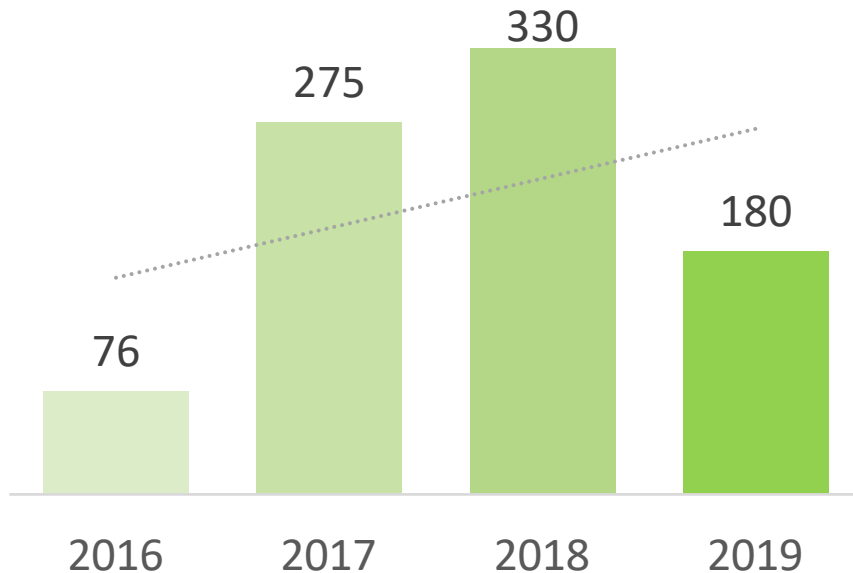


Workshop Trends





Writing Services Consultations



Writing Clinics

5 1 1

Participants

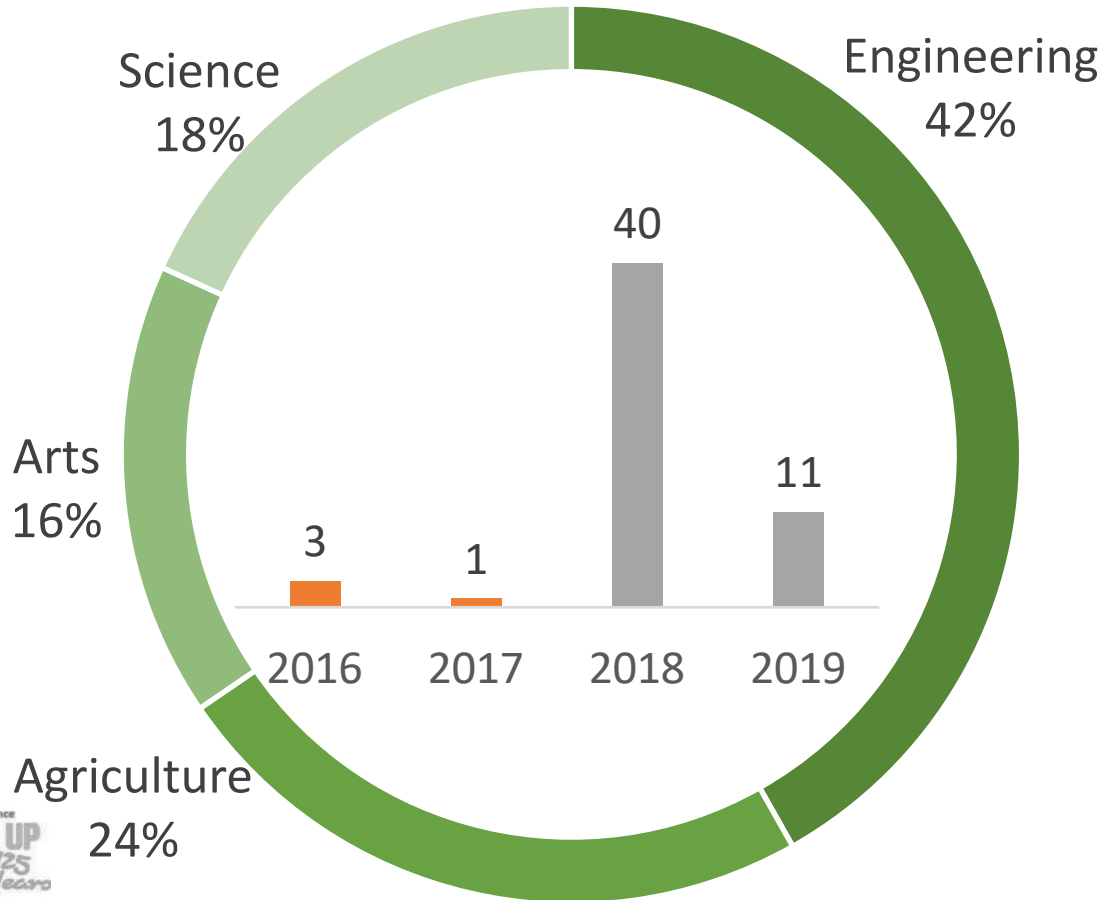
Literature Review
Writing for STEM
Tone and Audience
Transition and Clarity
Grammar Basics & Review
Elevator Speech
Planning

Organization
Clarity
Coherence
Oral & Poster Presentations
Evidence in STEM
Abstracts
Visual Design

+20

...

Thesis/Dissertation Defenses



Best practices and lessons learned

1

Meaningful partnerships and integration of key stakeholders throughout campus to tailor services and foster collaborative projects.

INITIAL PARTNERS



OFICINA DE ESTUDIOS GRADUADOS
UNIVERSIDAD DE PUERTO RICO - RECINTO UNIVERSITARIO DE MANAQUEZ



NEW PARTNERS



XSEDE
Extreme Science and Engineering
Discovery Environment



Best practices and lessons learned

2

Define services aligned with the research lifecycle



RESEARCH LIFECYCLE

WORKSHOPS . CONSULTATION . LIBGUIDES

3

Use space for incoming graduate student orientation



Best practices and lessons learned

4

Holistic suite of services + knowledgeable specialists

5

Strong use of social media for user engagement

BEHIND THE SCENES GRIC

GRIC Coordinator
 As the person in charge of the GRIC overall administration and management, I am in charge of design and implementation of tailored services to faculty and graduate students. Also, I am committed to growing the GRIC success and to sustainability by forging partnerships across campus. Additionally, I am the liaison with the College of Engineering.

Jaqueline Alvarez

I can help you with:

- Scholarly Communication
- Creating of Data Management Plans
- Programs and RCR (Tutorials & Workshops)
- Copyright and Creative Commons Licenses
- Reference management (Zotero & Mendeley)
- APA, ACS, IEEE, CiteSpace Styles
- Institutional Repository

Kudos #gricteam Celebrate #NationalLibraryWeek #LibrariesTransform

BEHIND THE SCENES GRIC

Research Services Librarian
 I am responsible of the day-to-day activities at GRIC. I also develop courses and other workshops in digital scholarship, scholarly communications, documentation, and research data management. In addition, I support the design of policies and procedures related to our Digital Institutional Repository.

Hilda Teresa Ayala-González

I can help you with:

- GRIC's services & technology
- Research Data Management
- Scholarly Communication
- Virtual Presence (GRIC)
- APA Style
- Turnitin & iThenticate
- Institutional Repository

Kudos #gricteam Celebrate #NationalLibraryWeek #LibrariesTransform

BEHIND THE SCENES GRIC

Information System Coordinator
 I am responsible for the administration of the GRIC's technology infrastructure by optimizing the performance of the current systems as well as evaluating user's needs and implementing new technologies. Also, I am responsible for the infrastructure behind the Institutional Repository along with general support to the personnel, professors and graduated students' computational needs.

Javier Hernández

I can help you with:

- Day-to-day troubleshooting and support
- Network Issues
- New software and equipment
- Creation and maintenance of GRIC accounts
- Access to Campus Virtual Lab (CVL)

Kudos #gricteam Celebrate #NationalLibraryWeek #LibrariesTransform

BEHIND THE SCENES GRIC

Electronic Resources Librarian
 I am responsible for the selection and acquisition of graduate level online journals and eBooks, as well as develop and deliver training and workshops for faculty and graduate students related to research, emerging technologies and digital literacy. Also, I am the English and Humanities Department's liaison.

Grissell Rodríguez

I can help you with:

- Databases searching
- EBooks & E-Journals Access
- MLA & APA Styles
- Reference Managers (Mendeley)
- Open Access Journals
- English and Humanities Literature
- Institutional Repository

Kudos #gricteam Celebrate #NationalLibraryWeek #LibrariesTransform

GRIC Graduate Research and Innovation Center - GRIC
 Published by Hilda Teresa Ayala-González (1) · May 16 at 12:25 PM ·

Felicidades a todos los estudiantes que defendieron sus tesis, disertaciones y proyectos de grado este semestre.
 ¡Aquí una muestra de los que defendieron en el GRIC!



1,434 People Reached
 882 Engagements
 Boost Post
 36 Reactions
 3 Comments 5 Shares

GRIC Graduate Research and Innovation Center - GRIC
 Published by Gricibio User (1) · May 31 at 8:07 AM ·

¡Estudiante graduado! Recuerda que debes depositar la tesis en <https://scholar.uprm.edu/>



1,178 People Reached
 122 Engagements
 Boost Post
 2 Comments 2 Shares

Best practices and lessons learned

6

Flexible workspaces



Best practices and lessons learned

7 A safe space

It was completely **necessary**. I could not have **finished my thesis** without the GRIC.

For our graduate students it was key to enabling them to keep making **routine progress** on course work and these requiring research, online work, and a space in which to **comfortably and safely work** during atypical hours and an unprecedented social and **humanitarian crisis**.

It was my **lifesaver**. I did not have a place or **facilities** to study. Opening **24 hours** was an excellent opportunity. There are no adequate places to **study** anywhere in Mayagüez. If it had not been for GRIC I could not have **finished successfully** (I'm a PhD student) [translated]

You were a **lifesaver** for me as a **faculty member** this semester as well. I still have extremely limited **access to Internet** at home and found GRIC an ideal space to get my own academic work done. In addition, I scheduled various **workshops** and **presentations** for my students there this semester. It is an **academic refuge** in the very best sense!



Follow the #gricteam

Prof. Grisell Rodríguez
Librarian

Dr. Anidza Valentín
Librarian

Cristina Rivera
Administration



Javier Hernández
IT

Prof. Jaquelina Álvarez
Librarian

Prof. Hilda T. Ayala
Librarian



<http://gric.uprm.edu>



gric@uprm.edu



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[GRIC UPRM](https://www.youtube.com/GRICUPRM)



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