Research Practice Partnerships as told through

A TALES OF TWO
PROJECTS
The RPPs

ITEST Geospatial Semester

ITEST Data Jam
The challenges faced

**ITEST Geospatial Semester**
- Spatial Reasoning
  - Strong predictor of STEM success.
  - Inequities in opportunity to develop spatial reasoning skills

**ITEST Data Jam**
- STEM underrepresentation
  - Unique science of PR
  - Making STEM pathways visible
  - Few resources specifically designed for Puerto Ricans
The beneficiaries

- ITEST Geospatial Semester
- ITEST Data Jam

Student/Teachers
The beneficiaries

ITEST
Geospatial Semester

Spatial Reasoning
Geospatial
Student/Teachers
Semester

ITEST
Data Jam

STEM underrepresentation
DATA
Student/Teachers
JAM
Partners to address the challenge

ITEST
Geospatial Semester

Student/Teachers
Education Researchers

NU Spatial Reasoning Experts
James Madison University Spatial Reasoning Experts

ITEST
Data Jam

Community Partners
UPR + Forward Learning

DATA JAM

LUQ-LTER
Education Researchers
Partners to address the challenge

**ITEST Geospatial Semester**

- Spatial Reasoning Experts
- Student/Teachers
- Education Researchers
- GIS Expertise
- ESRI (ArcGIS)
- James Madison University Spatial Reasoning Experts

**ITEST Data Jam**

- STEM underrepresentation
- Community Partners
- UPR + Forward Learning
- Concord Consortium (CODAP)
- Education Researchers
- TERC Data Expertise
- LUD-LTER
Building and sustaining strategic partnerships
Building and sustaining strategic partnerships

The heart and soul of the partnership

- What are mutual long-term goals
- Dynamic and iterative
- Understand what each partner uniquely brings
- Practice humility, trust and perseverance
Building and sustaining strategic partnerships

The heart and soul of the partnership

Framework for Assessing RPPs

Dimension 1: Building trust and cultivating partnership relationships
Dimension 2: Conducting rigorous research to inform action.
Dimension 3: Supporting the partner practice organization in achieving its goals.
Dimension 4: Producing knowledge that can inform educational improvement efforts more broadly
Dimension 5: Building the capacity of participating researchers, practitioners, practice organizations and research organizations to engage in partnership work.
Building and sustaining strategic partnerships

The heart and soul of the partnership

Framework for Assessing RPPs

Dimension 1: Building trust and cultivating partnership relationships

- Mutual respect
- Setting aside time for the partnership
- Organization and structure (protocols)
- A person dedicated to fostering the partnership
- Developing personal connections
- Get to know as many people as you can at the practice organization
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