

THE PUERTO RICO DISASTER RESEARCH NETWORK



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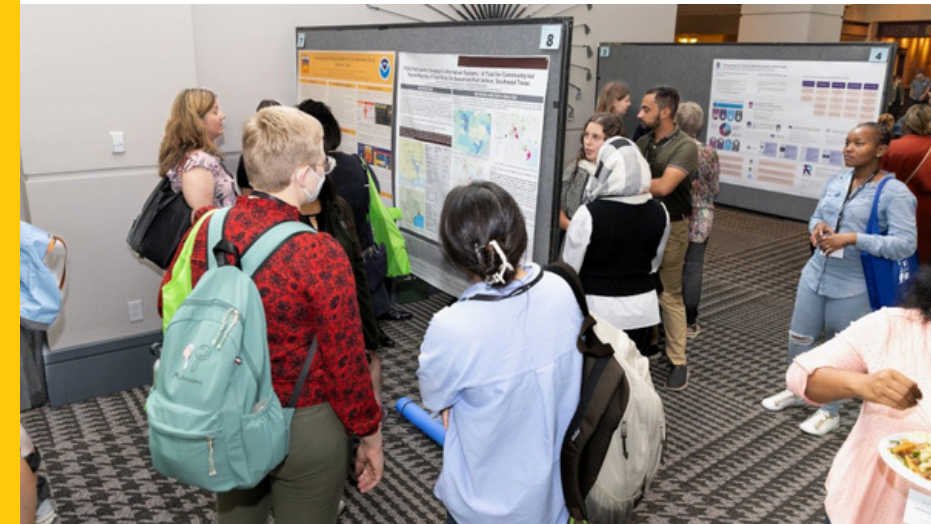
Deyaneira Hernandez Mendez & Elian Morales

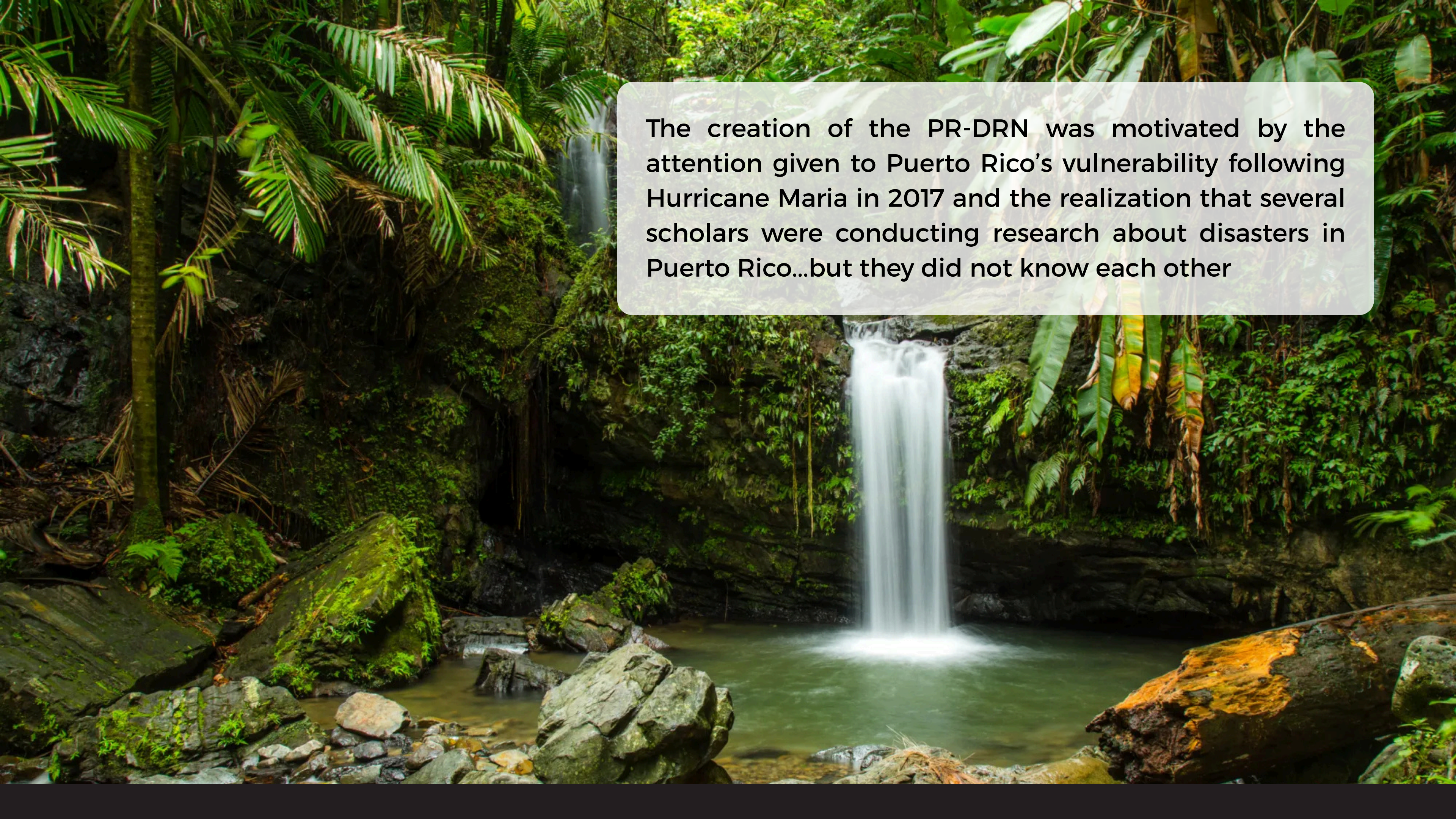
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THE JOURNEY TOWARDS THE PR-DRN

NATURAL HAZARDS WORKSHOP
BROOMFIELD, COLORADO, USA
JULY 2024



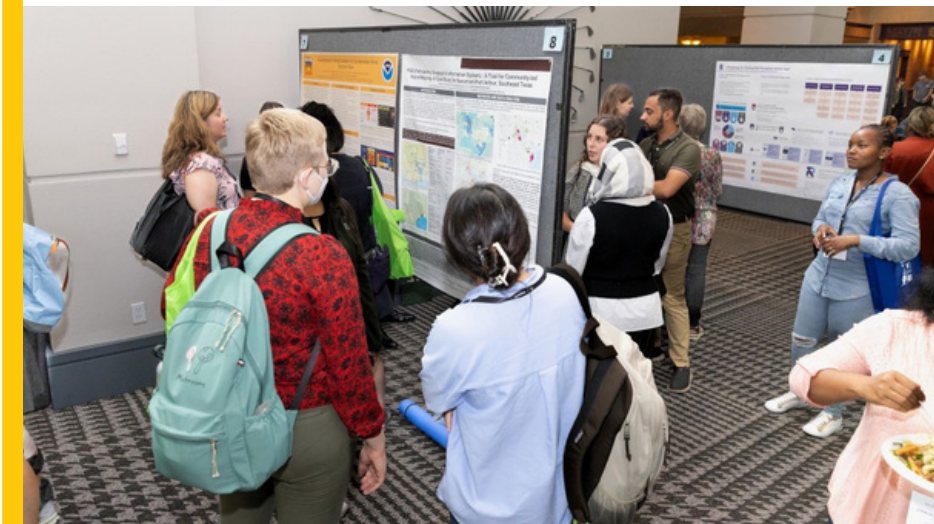
A photograph of a waterfall in a dense tropical forest. The waterfall is the central focus, cascading over dark rocks into a pool of water. The surrounding vegetation is thick and green, with various types of leaves and ferns visible. The lighting is soft, suggesting a shaded forest environment. A semi-transparent white box with rounded corners is overlaid on the upper right portion of the image, containing text.

The creation of the PR-DRN was motivated by the attention given to Puerto Rico's vulnerability following Hurricane Maria in 2017 and the realization that several scholars were conducting research about disasters in Puerto Rico...but they did not know each other

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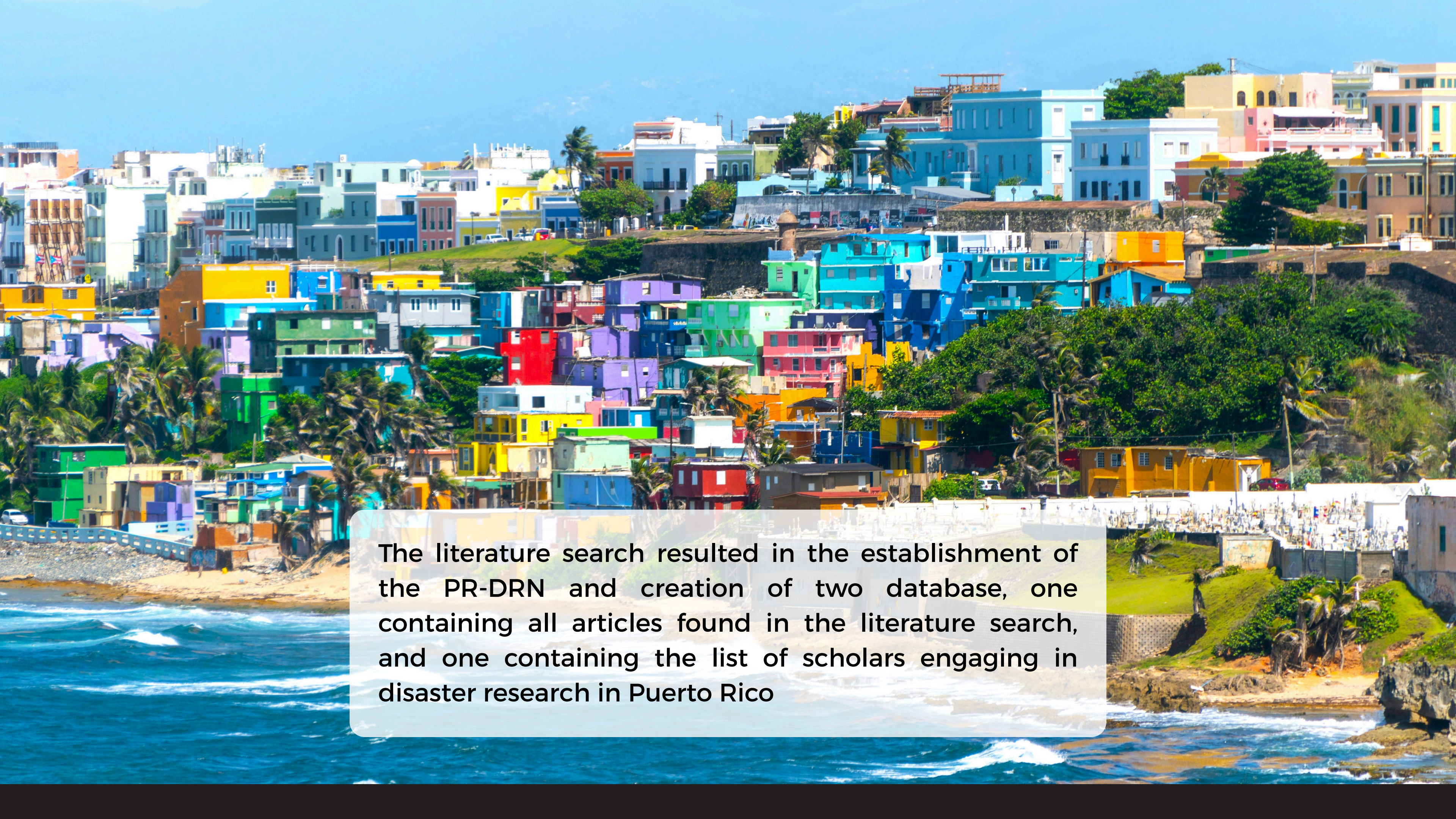


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UCF PUERTO RICO RESEARCH HUB
ORLANDO, FLORIDA, USA
AUGUST 2024



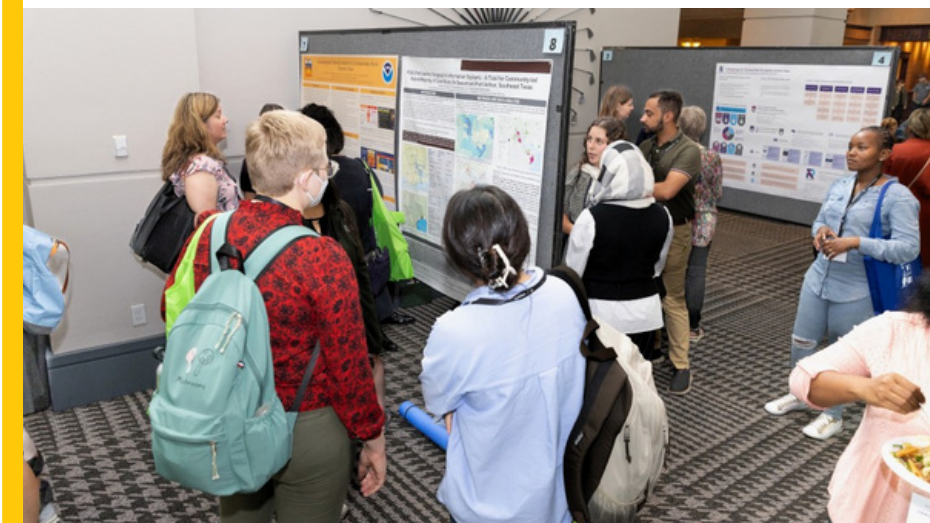


The literature search resulted in the establishment of the PR-DRN and creation of two databases, one containing all articles found in the literature search, and one containing the list of scholars engaging in disaster research in Puerto Rico

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THE APPLIED METHODOLOGY



The team conducted the literature search between August 2024 and December 2024



By consulting several database, the team looked at peer-reviewed scientific articles



The articles included in the search were those published between 2014 and 2024

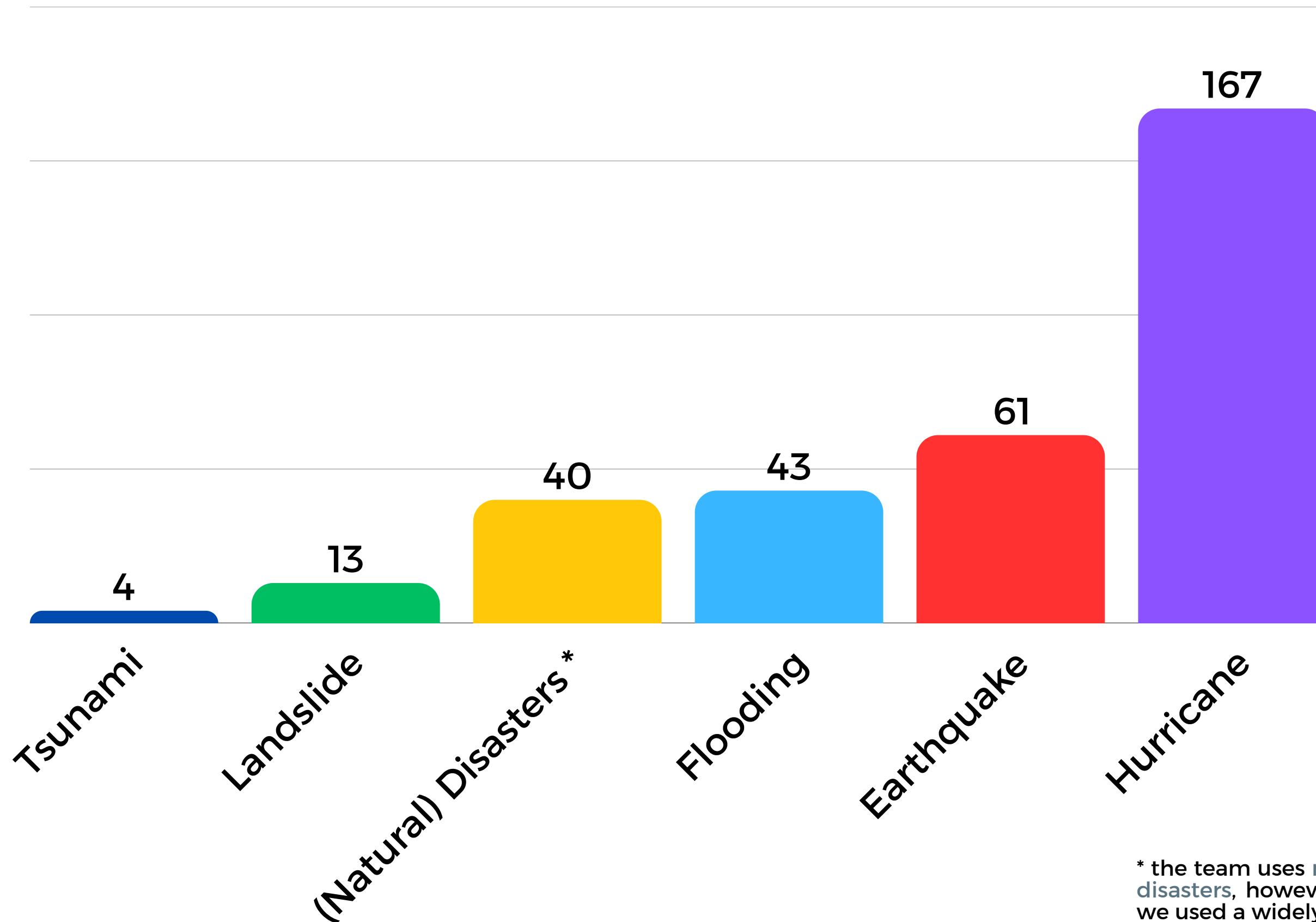


The keywords used were: earthquakes, flooding, hurricanes, landslides, disasters, tsunamis



Several details about the articles and the authors were collected and built two database

NUMBER OF ARTICLES FOUND FOR EACH KEYWORD



* the team uses **natural hazards** in place of **natural disasters**, however, for the purpose of the search, we used a widely used term as **natural disasters**

CURRENT AND FUTURE FOCUS OF DISASTER RESEARCH IN PUERTO RICO



Existing research focuses on short-term post-disaster assessment, often neglecting long-term recovery processes and the socio-economic impacts of recurring disasters and compound crises

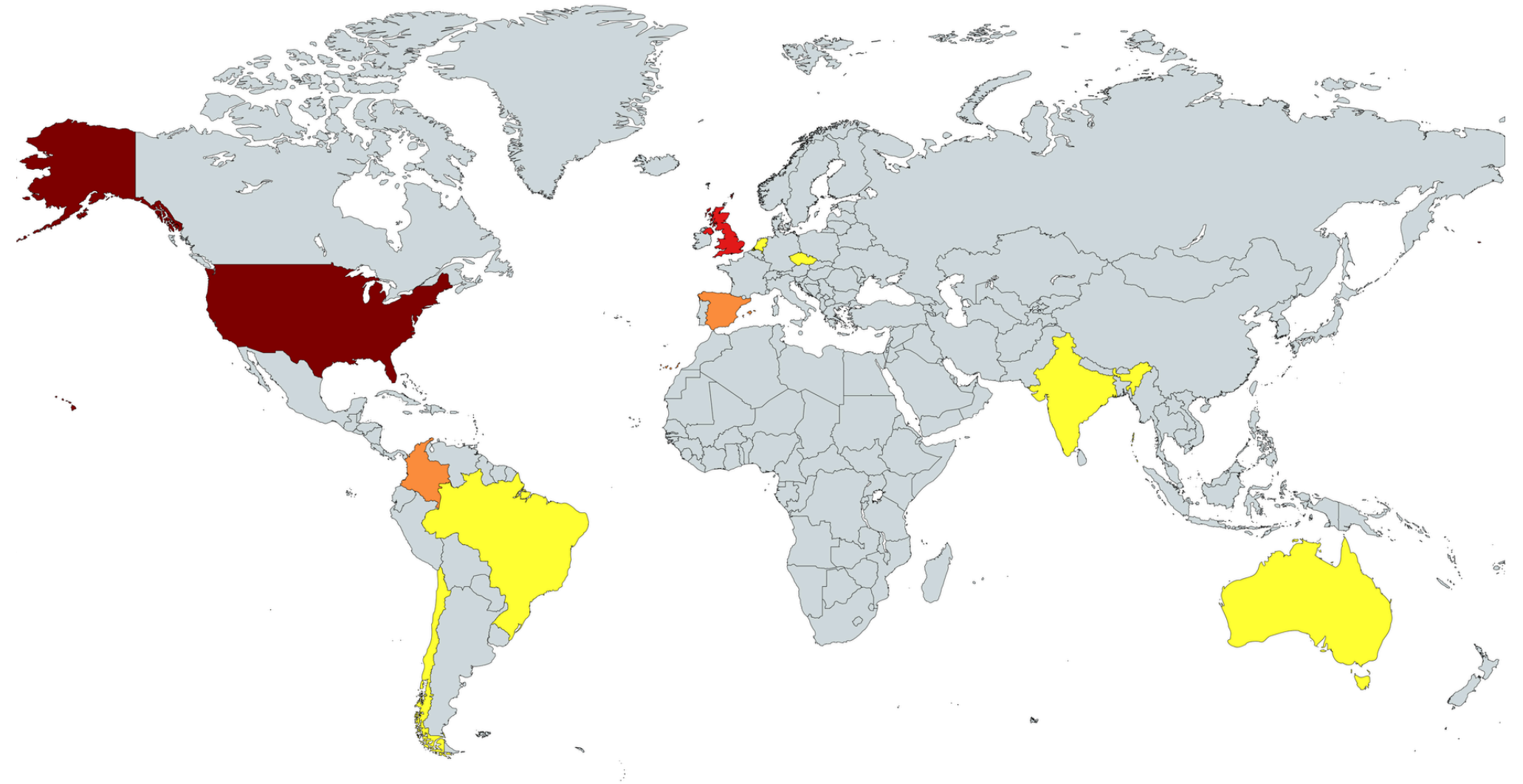
Lack of comprehensive studies that integrate multiple types of natural hazards, such as hurricanes, flooding, and earthquakes, in the context of the island's unique geographic and socio-political conditions

Interdisciplinary studies able to bridge environmental/disaster science with policy, community resilience, and community-led responses and adaptation strategies are underexplored

SCHOLARS LOCATION AND TOP AFFILIATIONS

The majority of scholars researching disasters in Puerto Rico are based in the United States

We divided scholars into scholars and core scholars, the latter with a proven record of 2+ articles published in this field



U Puerto Rico
124 articles



US Geological Survey
27 articles



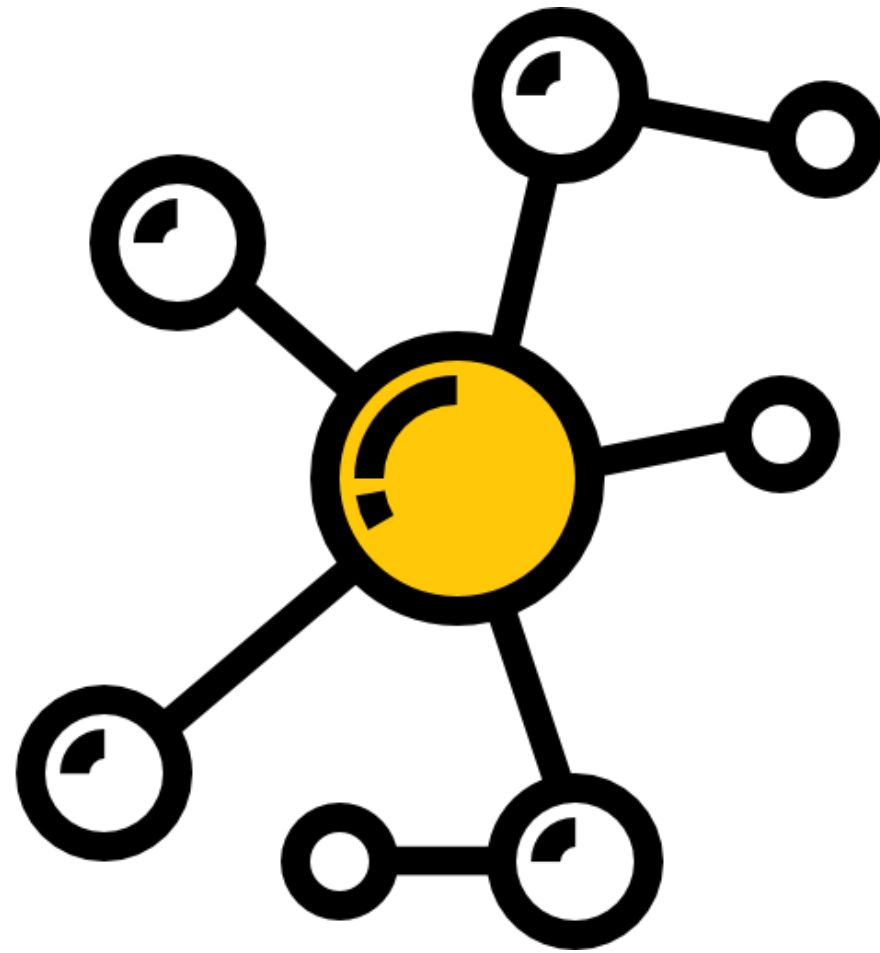
U California
17 articles

The creation of the PR-DRN aims to enhance future research and response strategies for disaster management in Puerto Rico by connecting scholars, practitioners, and experts while facilitating collaborative efforts across institutions and disciplines



GOALS

SERVE AS A HUB
FOR SCHOLARS
AND PRACTITIONERS



GATHERING IDEAS
FROM THOSE
WE MAY SERVE



PRODUCING RESEARCH
USEFUL TO THE
STAKEHOLDERS



ONGOING EFFORTS

PARTICIPATING IN THE CRRT ALLOWS US NOT ONLY TO PRESENT THE PR-DRN, BUT ALSO TO FACILITATE CONNECTIONS AND AWARENESS ABOUT OUR TOOL



ONGOING EFFORTS

WE ARE CREATING AN AUTOMATED SYSTEM TO AUTO-POPULATE A SCHOLARS' DATABASE THAT STAKEHOLDERS CAN ACCESS ON THE PR-DRN WEBSITE





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¡GRACIAS!

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