

# Achieving Urban Resilience through Equitable, Transparent, and Accountable Institutions

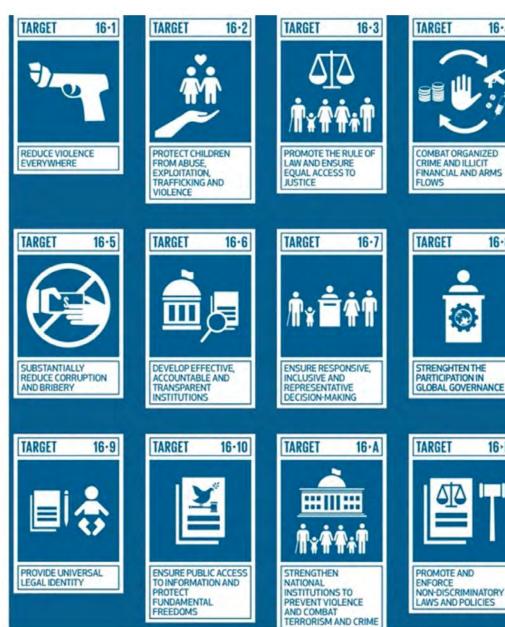
**NASEM-STS Fall 2020 Sustainability Webinar Series** 

Dr. Miguel O. Román

Universities Space Research Association

# SDG 16: PEACE, JUSTICE, STRONG INSTITUTIONS

The main goal for advancing good governance and anti-corruption: it sets 12 specific targets to be achieved by countries by 2030.

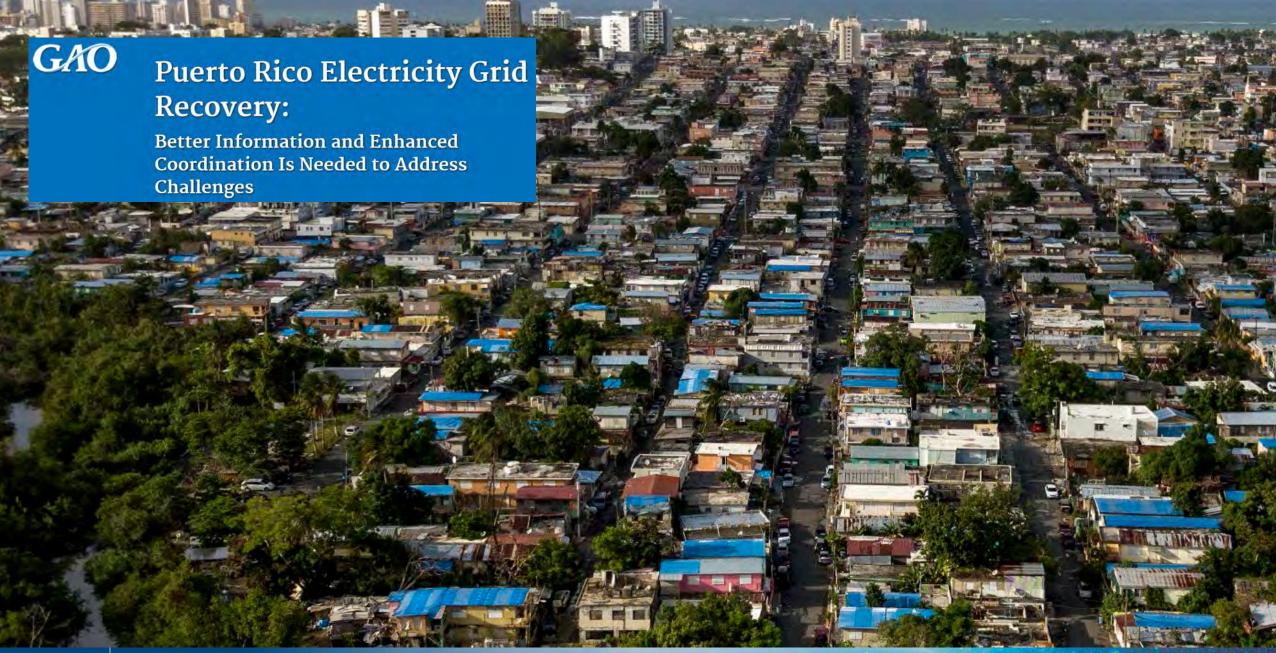


16.4

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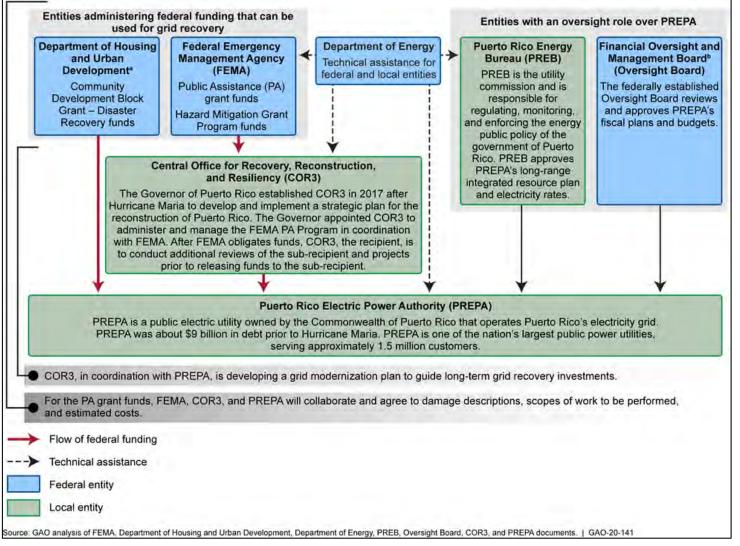




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#### Key Local and Federal Entities Overseeing Puerto Rico's Energy Transition



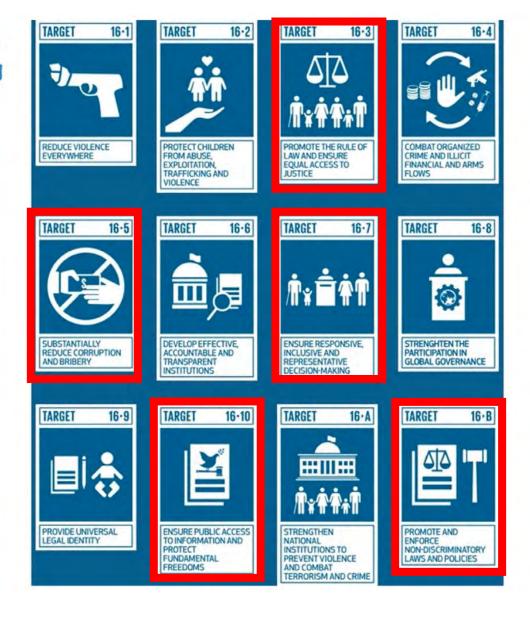




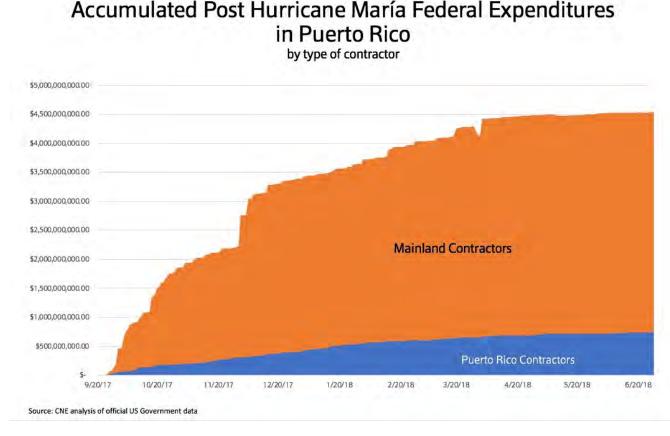


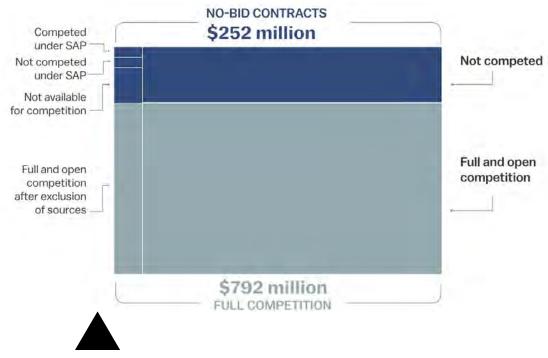
# SDG 16: PEACE, JUSTICE, STRONG INSTITUTIONS

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#### Follow The Money: Improving Public Accountability and Transparency



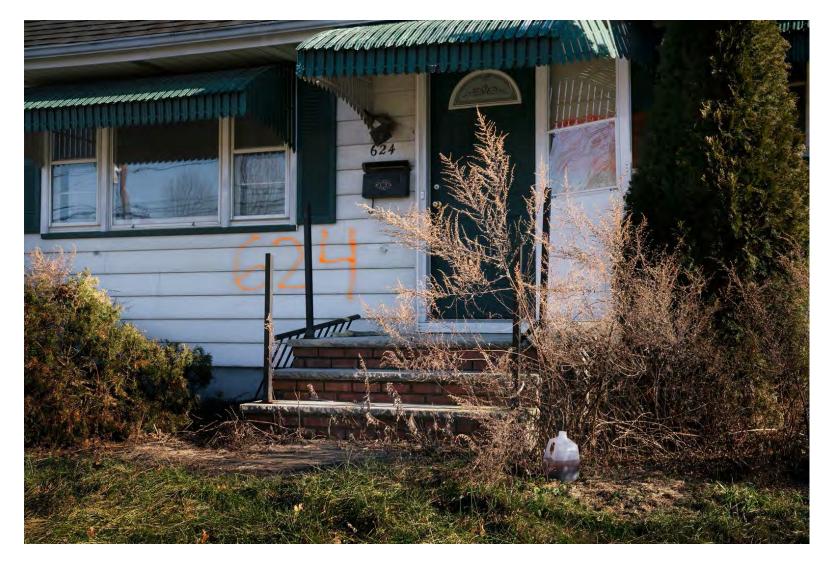


FEMA is relying more and more on no-bid contracts to respond to disasters.

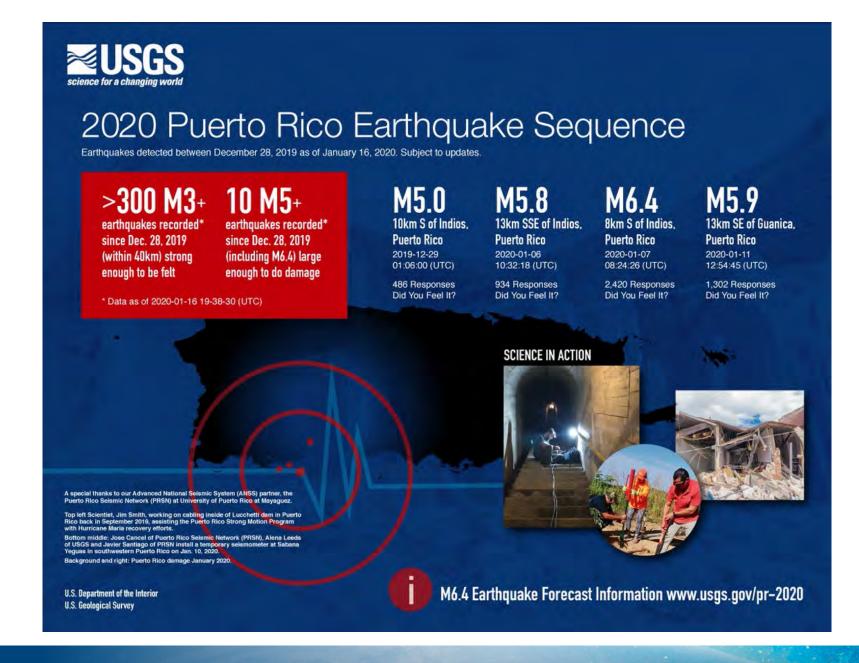


Ninety percent of federal contracts are being granted to companies whose headquarters are outside of Puerto Rico.

# FEMA Data Show How Federal Disaster Money Favors The White And Rich (NPR)



- Climate-driven disasters are becoming more frequent and severe, causing increased need for federal disaster spending.
- Today, nearly 70 percent of U.S. counties experience a disaster each year, compared to fewer than 20 percent in the early and mid-20th century.
- Analysis of 40,000 property buyouts shows nationally, sales of flood damaged homes happened most often in places where the population was more than 85 percent white.









**2,000** earthquakes since Dec 28<sup>th</sup>, 2019



9 direct/indirect deaths



3,000 homes destroyed or damaged



120 Landslides



**\$3.1** billions losses



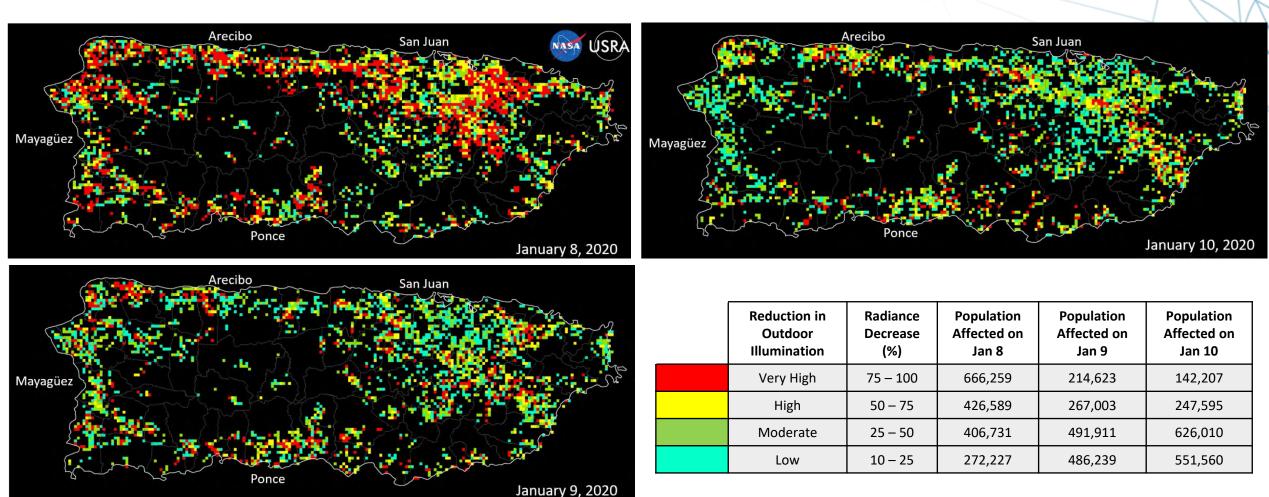
[Jan, 2020] Impacts of Series of Earthquakes in Puerto Rico By Numbers



**Damages to Costa Sur Power Plant** 



# Monitoring Impact Using NASA's Black Marble – After 6.4 Earthquake



Reduction in Outdoor Illumination are widespread even after 3 days



# Community Coping with the Impact - Scared to go back to their homes





Prioritize high-risk people and populations.

### Community Coping with the Impact – Scared to go back to their homes







"Our home is not habitable, because it might collapse if there is a bigger one."

#### **COVID-19 Efforts: Doctors Without Borders**



In San Juan, Puerto Rico, MSF doctor Jonathan Caldera and MSF nurse Rosa Cifrian walk through La Peninsula to provide home-based medical care for people who lack access to health services.



# **Advocacy Efforts**









Boricuas Unidos en la Diáspora, VAMOS4PR and Oxfam America in Conjunction with Representative Nydia Velazquez invite you to a briefing:

# Earthquakes in Puerto Rico: What is the Current Situation?

Wednesday, January 22 10am-12pm 2361 Rayburn House Office Building Small Business Committee Room

Speakers



Víctor Huérfano (will participate remotely) Director, Puerto Rico Seismic Network



Dave Applegate
Associate Director for Natural Hazards, United States Geological Survey
(USGS)



Miguel Román
Founding Director, Earth from Space Institute, Universities Space Research
Association (USRA)



Adi Martínez Senior Policy Analyst for Puerto Rico, Oxfam America



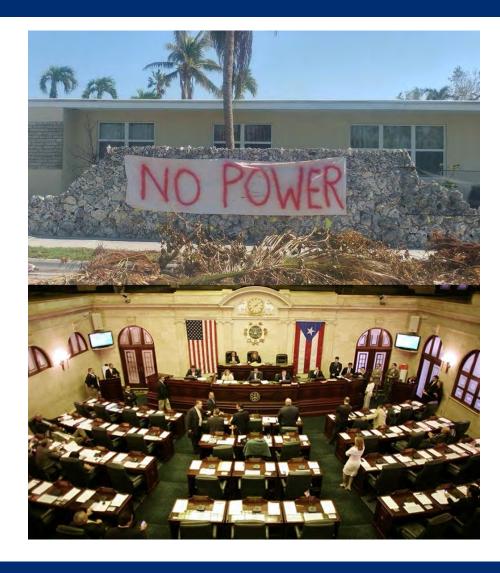
Javier Cuebas
Executive Director, Vamos4PR



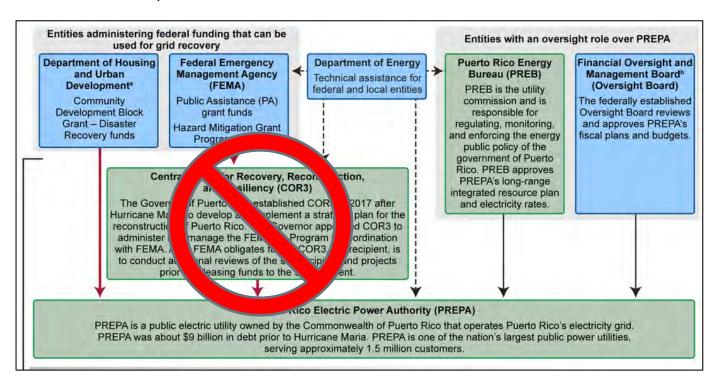
**Moderator**Edil Sepúlveda
Co-founder, Boricuas Unidos en la Diáspora



# [Oct, 2020] Puerto Rico's Senate Bill 1639 - Defeated



- Would have permanently established the Central Office for Recovery, Reconstruction and Resilience of Puerto Rico (COR3) with an appointment of its holder to 10 years.
- Would have consolidated PR's Health Insurance Administration (ASES) under the Department of Health.



# [Nov, 2020] HR. 2914 Housing Survivors of Major Disasters Act – Passed



- Helps tens of thousands of Puerto Rican residents who have been denied housing assistance.
- Allows the presentation of electricity, water and credit card bills, and payroll payments that include a name and address to corroborate that a person owns a property.
- Provides financial assistance for land surveys and other costs associated with Disaster Housing Assistance Program's application process.

# **Building Urban Resilience**

- Transparency in government services is central to achieving the SDGs.
- Prioritizing high-risk people and populations.
- Increasing focus on small-scale, recurrent, and "everyday" disasters.
- Strengthening local governance capabilities.
- Promoting and supporting the critical role of civil society.



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EfSI-2019 Symposium Making Communities More Resilient to Extreme Flooding



#### For More Information

The Earth from Space Institute <a href="https://www.usra.edu/efsi">www.usra.edu/efsi</a>

Universities Space Research Association <a href="https://www.usra.edu">www.usra.edu</a>

