



Florida Housing Coalition Hurricane Member Update Webinar

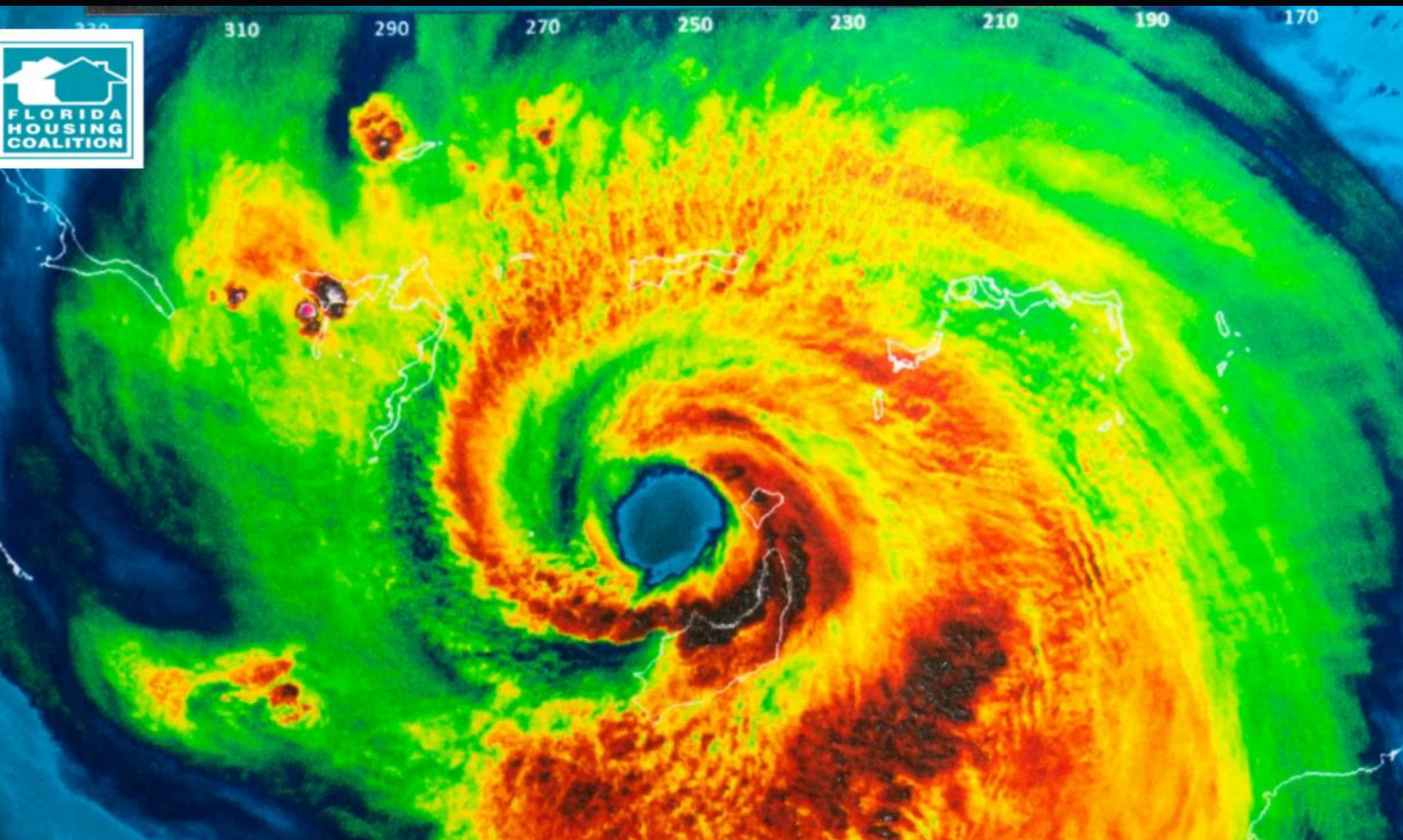
October 7, 2022
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Florida Housing Coalition Hurricane Member Update Webinar

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AGENDA

- Hurricane Ian Response
- Announcements
- NASA Development: Earth Observations for Environmental Justice

Update on Hurricane Ian Response

Mary Williams
Disaster Housing Coordinator
Florida Division of Emergency
Management

Mary.Williams@em.myflorida.com



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Disaster Impacted Counties

- Charlotte
- Collier
- DeSoto
- Flagler
- Hardee
- Highlands
- Hillsborough
- Lake
- Lee
- Manatee
- Orange
- Osceola
- Pinellas
- Polk
- Putnam
- Sarasota
- Seminole
- St. Johns
- Volusia



Apply for FEMA Individual Assistance

Apply for Disaster Assistance

Internet or Smartphone Application: Disaster survivors may apply for the Individuals and Households Program or check their application status at www.DisasterAssistance.gov. Disaster survivors may also access FEMA via smartphone by downloading the application from www.fema.gov or through their mobile provider's application store.

By Phone: Disaster survivors may call FEMA toll-free at 800-621-3362 to register for assistance or check their application status. Disaster survivors who are deaf, hard of hearing, or have a speech disability and use a Text Telephone (TTY) may call 800-462-7585. Disaster survivors who use 711 or VRS (Video Relay Service) may call 800-621-3362.

In Person: Visit a Disaster Recovery Center.

- For locations, check FEMA's mobile app www.fema.gov/mobile-app or call 1-800-621-3362, or visit www.DisasterAssistance.gov.
- Disaster Survivor Assistance team members may visit door-to-door in your area. They will have official FEMA photo identification.




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Webinar in Spanish: The FEMA Public Assistance Program

Register: [Connect Event Catalog \(connectsolutions.com\)](https://connectsolutions.com)

**Please Join Us Next Thursday, October 13 for a Webinar on
the FEMA Public Assistance Program (in Spanish)!**



DHS Center for Faith-Based and Neighborhood Partnerships:
**Recursos del Programa de Asistencia Pública de FEMA
y Agencia Federal de Pequeños Negocios (SBA) para
Casas de Adoración y Organizaciones Sin Fines de Lucro**



13 de Octubre de 2022 2:00pm - 3:00pm ET

En español:

**Seminario en Línea en español: Recursos del Programa de Asistencia Pública de FEMA y
Agencia Federal de Pequeños Negocios (SBA) para Casas de Adoración y Organizaciones
Sin Fines de Lucro.**



Fami





FEMA

www.fema.gov

Debris removal guidelines

In efforts to expedite the debris removal process, please follow these rules

Placing debris **near or on trees, poles or other structures** makes removal difficult. This includes fire hydrants and meters.

Debris separation

Please separate debris into the **six categories**, shown below.

Electronics

Television, computer, stereo, phone, DVD player

Large Appliances

Refrigerator, washer/dryer, air conditioner, stove, water heater, dishwasher

Hazardous waste

Oil, battery, pesticide, paint, cleaning supplies, compressed gas

Vegetative debris

Tree branches, leaves, logs, plants

Construction debris

Building materials, drywall, lumber, carpet, furniture, plumbing

Household garbage

Bagged garbage, discarded food, paper, packaging.

Do not leave doors **unsealed or unsecured**

Debris should be placed curbside

10 feet

Debris should not **block roadway**



US Army Corps of Engineers®

www.usace.army.mil

Fannie Mae's Disaster Recovery Network

Sidra Goldwater
Advisor, Disaster
Recovery & Rebuilding
Fannie Mae

sidra_r_goldwater@fanniemae.com



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Fannie Mae's Disaster Response Network



Supported by MMI

Offers holistic post-disaster case management:

- HUD-certified counselors using a call center model
- Case assessment and action plan
- Help with FEMA, insurance, SBA claims, and more
- Tri-party calls with assistance providers
- Self-advocacy and ongoing check-ins
- Online portal, tools, resources
- Helps homeowners and renters return to normal, resume mortgage payments sooner, and succeed for the long run



**People impacted by
disaster can access the
Network by calling:
1-877-833-1746**

THE FLORIDA HOUSING COALITION



Helping Renters

Fannie Mae's
Renters Resource Finder
[www.knowyouroptions.com/
rentersresourcefinder](http://www.knowyouroptions.com/rentersresourcefinder)



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Personalized help for those impacted by a disaster

Fannie Mae is committed to assisting homeowners and communities affected by disasters. If you have a Fannie Mae-owned loan and your property or place of employment is in a FEMA-declared zone, we can help you navigate the challenging disaster recovery process with resources like our Disaster Response Network.

Fannie Mae's Disaster Response Network™ offers free support for eligible homeowners from HUD-approved housing advisors, including:

- Personalized recovery assessment and action plan
- Assistance filing claims (i.e., FEMA, insurance, and Small Business Administration)
- Help working with your mortgage servicer on payment relief options
- Access to Clearpoint's* Project Porchlight Online and its tools and resources
- Ongoing check-ins to help ensure a successful recovery

CALL 877-833-1746

to access the Disaster Response Network or other available resources.

Other resources

People impacted by a disaster may also receive help from:

- U.S. Department of Housing and Urban Development (HUD): www.hud.gov
- Federal Emergency Management Agency (FEMA): www.disasterassistance.gov
- American Red Cross: **1-800-733-2767**

WARNING: Avoid scams

Scam artists offer fraudulent assistance to those affected by disasters. Always confirm the legitimacy of offers, never feel pressured to "take immediate action," and, remember, mortgage help is FREE.

How to Apply



Fannie Mae



Fannie Mae



Ayuda personalizada para personas afectadas por desastres

Fannie Mae está comprometida a ayudar a los propietarios de hogares y a las comunidades afectadas por desastres. Si tiene un préstamo hipotecario cuyo inversionista es Fannie Mae y su propiedad o lugar de empleo se encuentra en una zona que ha sido declarada zona de desastre por FEMA, podemos ayudarle a navegar el difícil proceso de recuperación de desastres mediante la utilización de recursos como la Red de respuesta ante desastres (Disaster Response Network).

La Red de Respuesta ante Desastres (Disaster Response Network™) de Fannie Mae presta apoyo gratuito por parte de asesores de vivienda aprobados por el Departamento de Vivienda y Desarrollo Urbano (HUD) a los propietarios que tienen derecho a recibirlo. Esta ayuda consiste en:

- Planes de acción y evaluaciones de desastres personalizados
- Ayuda para presentar reclamaciones (es decir, ante FEMA, compañía de seguros, y la Administración de Pequeñas Empresas SBA)
- Ayuda para acordar opciones de facilidades en las condiciones de pago con el proveedor del préstamo hipotecario
- Acceso al programa en línea Proyecto Porchlight de Clearpoint*, y a sus herramientas y recursos
- Controles continuos para asegurar una recuperación con éxito

LLAME AL 877-833-1746

para acceder a la Red de Respuesta ante Desastres y otros recursos disponibles.

Otros recursos

Las personas afectadas por desastres pueden también recibir ayuda de:

- El Departamento de Vivienda y Desarrollo Urbano (HUD) de los Estados Unidos: www.hud.gov
- La Agencia Federal para el Manejo de Emergencias (FEMA): www.disasterassistance.gov
- La Cruz Roja Americana: 1-800-733-2767

ADVERTENCIA: Evite las estafas

Los estafadores ofrecen ayuda fraudulenta a las personas afectadas por desastres. Confirme siempre la legitimidad de las ofertas, y no se sienta nunca presionado a tomar decisiones en forma inmediata. Recuerde que la ayuda relacionada con el préstamo hipotecario es GRATUITA.



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HOME Funding for Affordable Housing Part 2

October 12 at 2 pm

<https://attendee.gotowebinar.com/register/1060940084987933195>



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Successful Homeownership Initiatives



October 18 at 2:00 pm

<https://attendee.gotowebinar.com/register/6398144348561510155>



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Mixed-Income Rental Housing



October 19 at 2:00 pm

<https://attendee.gotowebinar.com/register/5638106935861500685>



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October 25
10:00 - 11:30AM

Overcoming
NIMBY
Opposition

PRESENTED BY



JAIMIE ROSS
President/CEO
Florida Housing Coalition



Registration:
<https://attendee.gotowebinar.com/register/8180879307698198800>

WORKSHOP: The Credit Underwriting Process for Affordable Housing



November 3 from 9:00 am to 5:00 pm
LOCATION: Hilton Tampa Westshore

<https://fhc.wildapricot.org/event-4917205>



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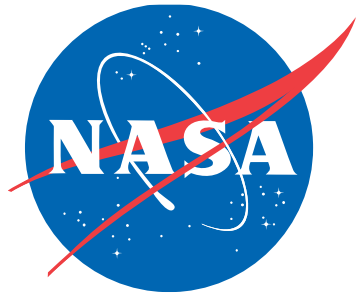
And Now...

The Posting of the PowerPoint

- PowerPoint is available in Chat



NASA Development: Earth Observations for Environmental Justice



EARTH SCIENCE APPLIED SCIENCES

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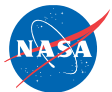
Applied Sciences' Capacity Building

DEVELOP

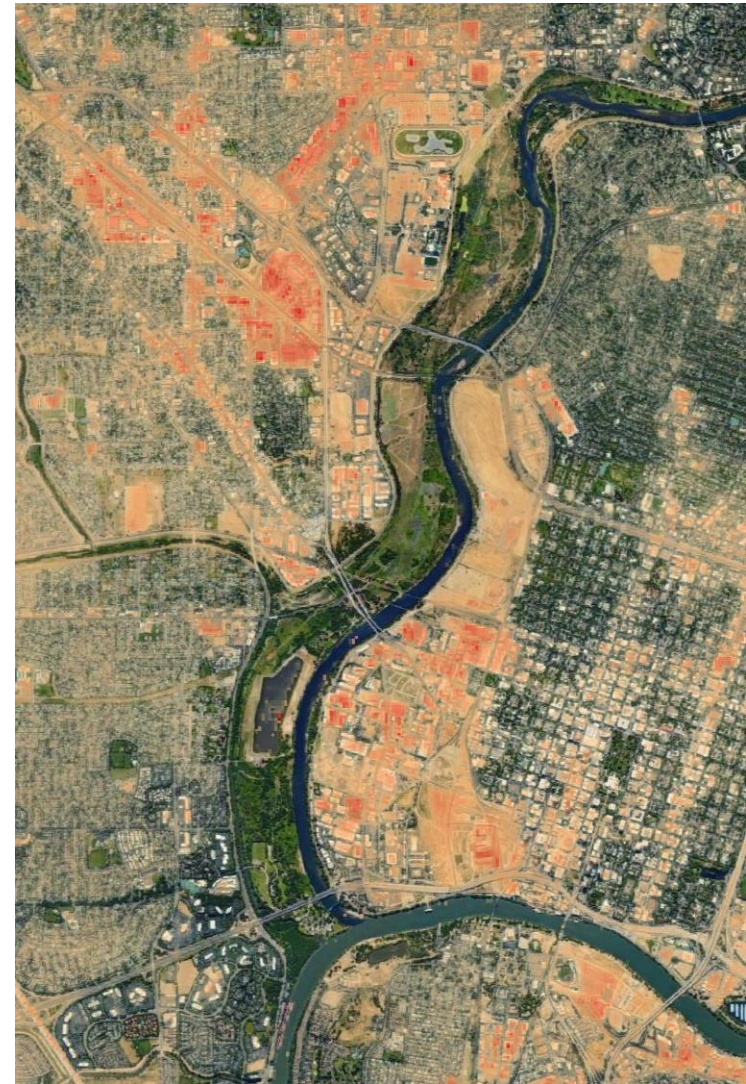
Earth Observations for Environmental Justice

An Introduction to NASA DEVELOP

October 7th, 2022



EARTH SCIENCE
APPLIED SCIENCES





NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

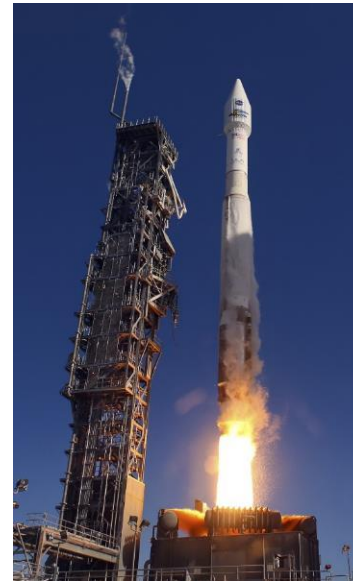
Moon Landing



Astronauts



Rocket Launches



*What about
Earth-observing
Satellites?*



INTRODUCTION TO NASA EARTH SCIENCE

National Aeronautics and
Space Administration



EARTH FLEET

INVEST/CUBESATS

- CSIM-FD 2023
- HARP 2022
- CIRIS 2023
- CTIM* 2022
- HYTI* 2022
- SNOOP* 2022
- NACHOS* 2022
- NACHOS2* 2022

JPSS INSTRUMENTS

- OMPS-LIMB 2022
- LIBERA 2027

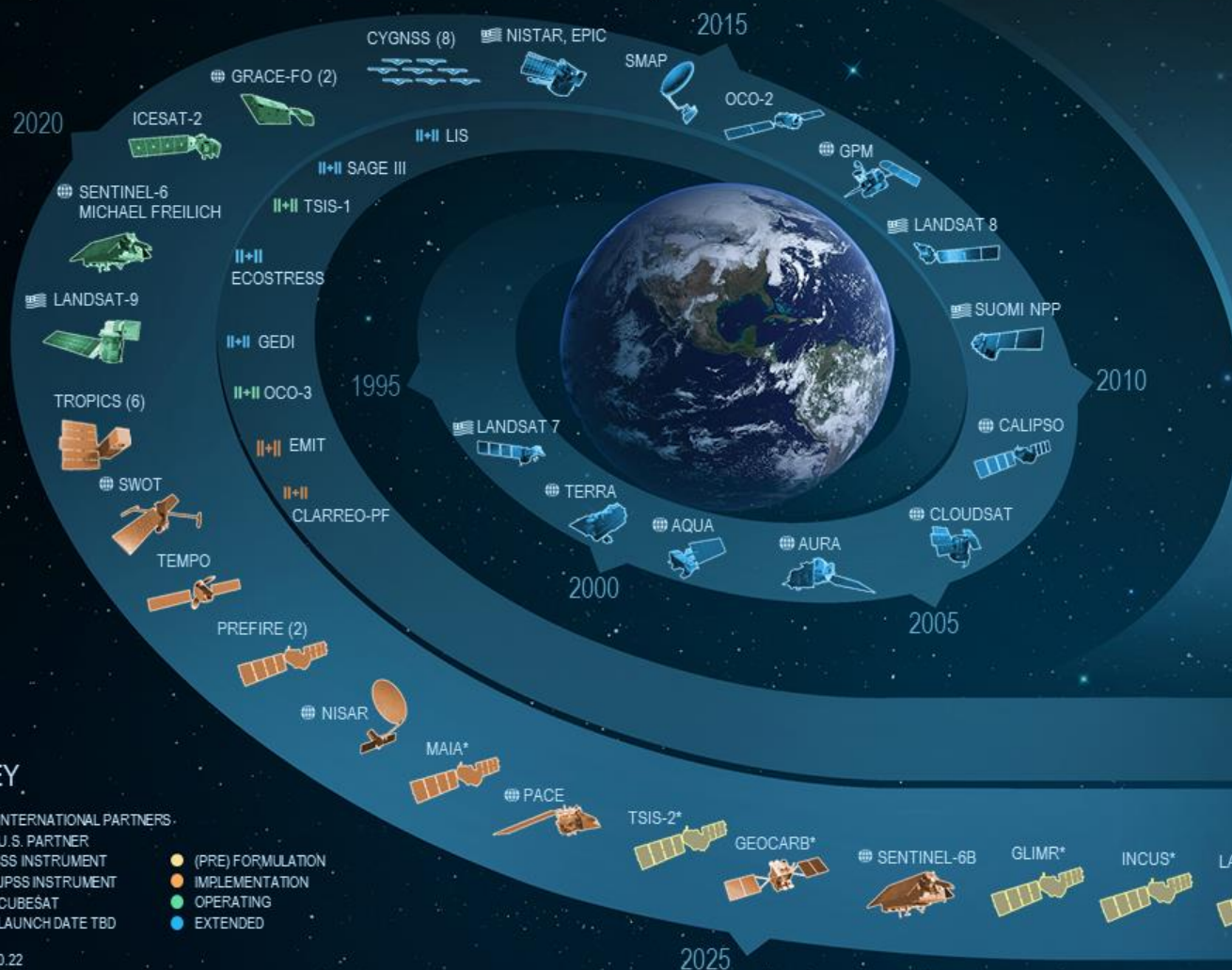
ISS INSTRUMENTS

MISSIONS

KEY

- INTERNATIONAL PARTNERS
- U.S. PARTNER
- ISS INSTRUMENT
- JPSS INSTRUMENT
- CUBESAT
- LAUNCH DATE TBD
- (PRE) FORMULATION
- IMPLEMENTATION
- OPERATING
- EXTENDED

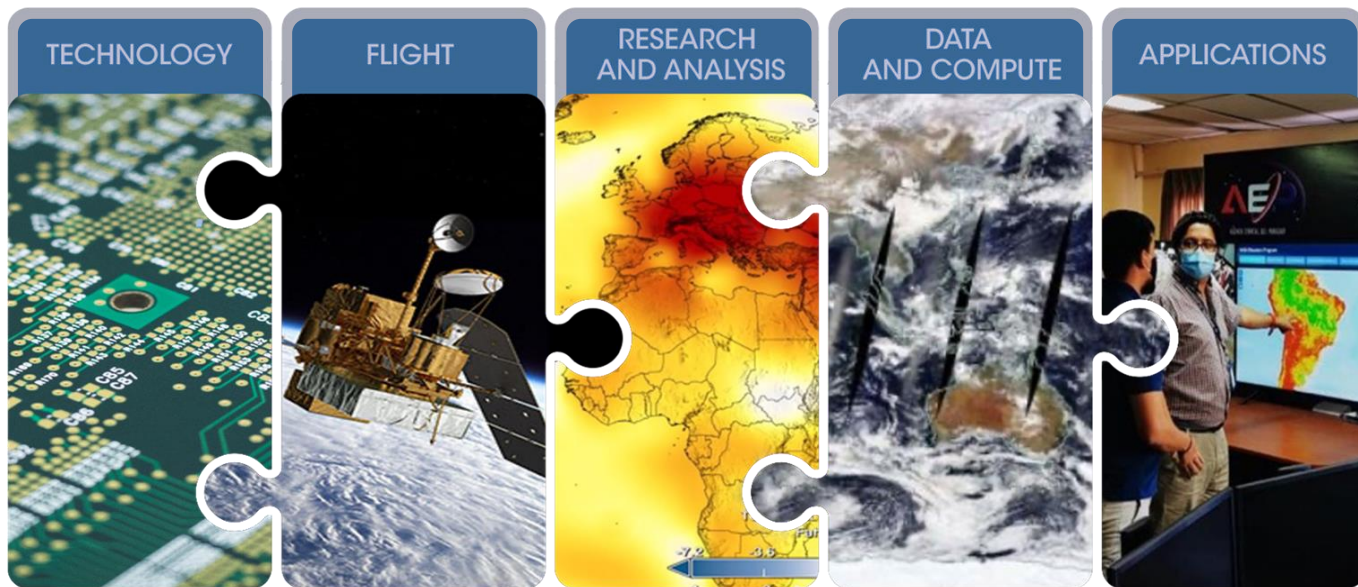
01.20.22



INTRODUCTION

Earth Science Division

Using the global vantage point of space, ESD builds fundamental, scientific knowledge about Earth and how it is changing. ESD advances understanding of Earth as an integrated system and develops and tests applications that deliver direct societal benefit. It has five lines of business:



INTRODUCTION

Harnessing Earth observations to find solutions to Earth's greatest challenges.

The **Applied Sciences Program** helps people across the world use NASA data to solve big problems right here on Earth.

- Provides support and funding to help institutions and individuals make better decisions about our environment, food, water, health & safety
- Enables the early and ongoing involvement of users throughout the lifecycle of Earth science satellite and instrument missions
- Supports improved abilities for users to ideate applications, contribute to planning and design, be prepared to use the data after launch, engage with mission scientists, & provide unique feedback to mission teams
- Three lines of business: mission engagement, thematic applications, and capacity building



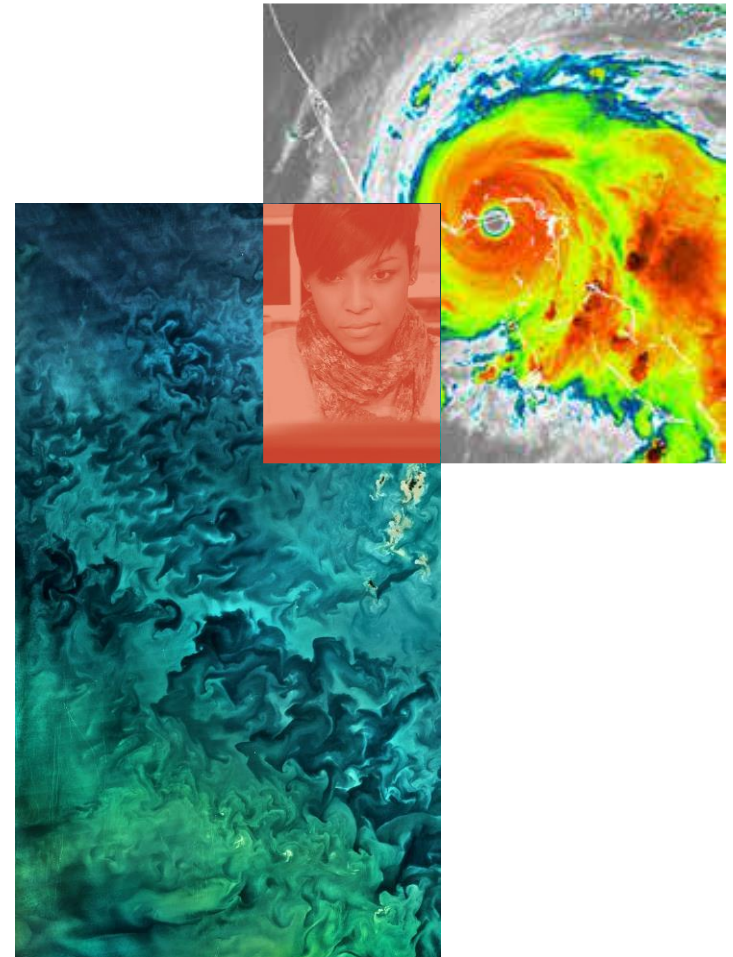
INTRODUCTION

Making Earth Data Accessible to All

Part of NASA's Applied Sciences, the **Capacity Building Program** provides individuals and institutions with workforce development, training activities, and collaborative projects to strengthen understanding of Earth observations and expand their use around the world.

Through our ARSET, DEVELOP and SERVIR programs and our Indigenous Peoples Initiative and Prizes & Challenges element, we work with everyone at every level — from first-time users to long-time professional users of Earth observation data.

We work through global and domestic networks and organizations, to promote open data access and coordinate capacity building activities focused on users' needs.



INTRODUCTION

ARSET

ARSET offers satellite remote sensing training that builds the skills to integrate NASA Earth Science data into decision-making activities. Through its decade of trainings, ARSET has reached over 25,000 participants from 160 countries and more than 5,000 organizations worldwide.

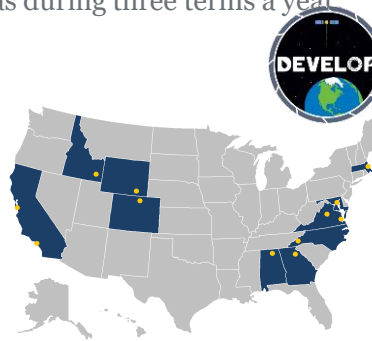


<https://appliedsciences.nasa.gov/arset>

DEVELOP

DEVELOP addresses decision-makers' needs through interdisciplinary feasibility studies that apply the lens of NASA Earth observations to environmental issues around the globe.

Projects build capacity to use Earth observations in participants and partner organizations through eight thematic areas during three terms a year.



<https://develop.larc.nasa.gov>

SERVIR

SERVIR connects space to village by helping developing countries use satellite data to address critical challenges in food security, water resources, weather and climate, land use, natural disasters, and air quality.

A partnership of NASA, USAID, and leading technical organizations around the world, SERVIR develops innovative solutions to improve livelihoods and foster self-reliance in Asia, Africa, and the Americas.

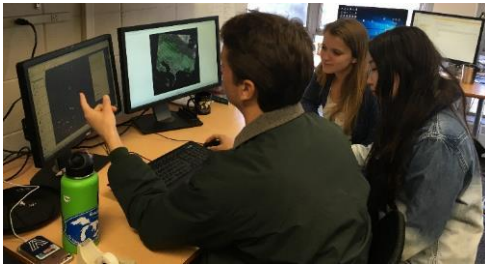


<https://servirglobal.net>

INTRODUCTION

NASA's DEVELOP Program

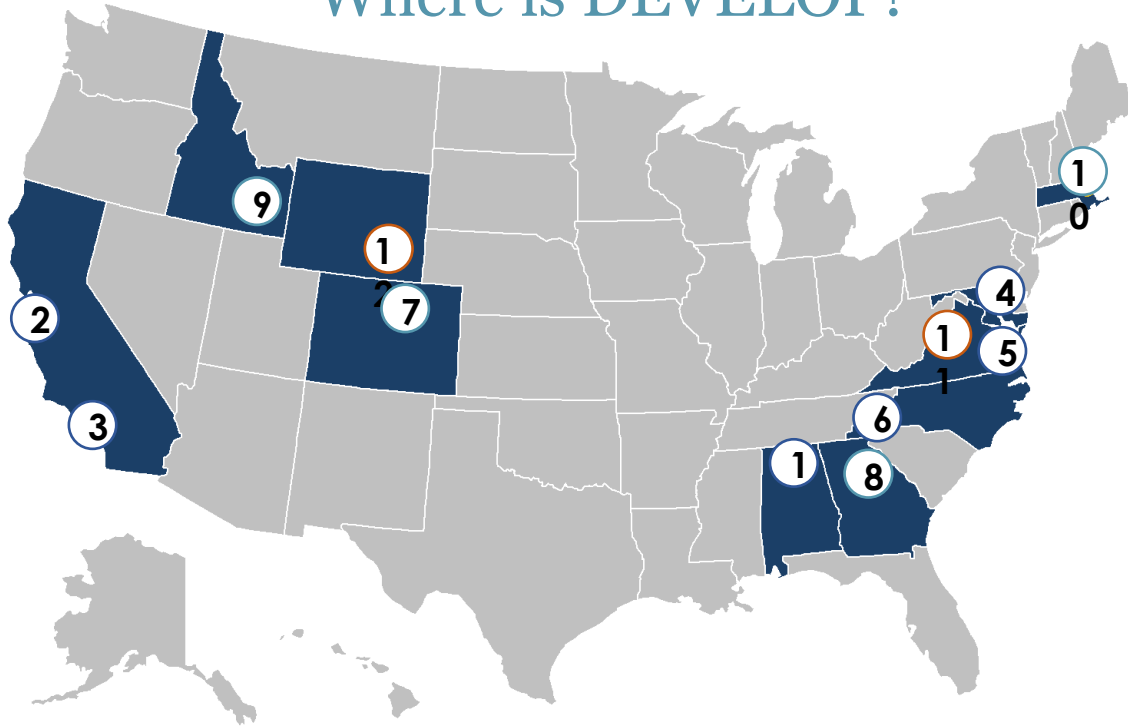
Empowered Participants + Earth Observations + Engaged Decision Makers



“Shaping the future by integrating Earth observations into global decision making”

DEVELOP bridges the gap between NASA Earth Science and society, building capacity in both its participants and partner organizations to better prepare them to use remote sensing to address environmental challenges. DEVELOP addresses these challenges by conducting interdisciplinary feasibility projects that apply the lens of NASA Earth observations to community concerns around the globe.

Where is DEVELOP?



DEVELOP NASA & NOAA Offices*

1. Alabama – Marshall
2. California – Ames
3. California – JPL
4. Maryland – Goddard
5. Virginia – Langley
6. North Carolina – NCEI

DEVELOP Regional Offices*

7. Colorado – Fort Collins
8. Georgia – Athens
9. Idaho – Pocatello
10. Massachusetts – Boston

DEVELOP Pop-Up Offices*

11. University of Virginia
12. University of Wyoming

DEVELOP Virtual Offices*

Virtual Environmental Justice

Project Characteristics

50+ DEVELOP projects take place each year – at their core they share these characteristics:

- Highlight the applications and capabilities of NASA Earth observations
- Assess the feasibility of using Earth observation data for to address community concerns relating to decision-making for real-world environmental issues
- Co-developed with partner organizations who can benefit from using NASA Earth observations to enhance decision making by providing decision support tools
- Conducted in 10-week terms (spring, summer, and fall) by small teams with diverse backgrounds
- Create a consistent set of deliverables
- Research is conducted under the guidance of Science Advisors and mentors from NASA and partner organizations
- Align with at least one of the nine NASA Applied Sciences Program's National Application Areas:

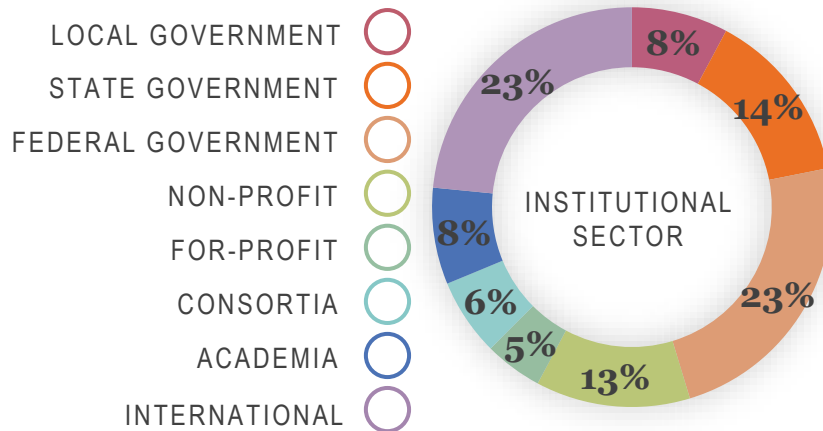


INTRODUCTION

Project Partners

Any organization can partner with DEVELOP – state & local governments, federal agencies, tribal governments, non-profits, for-profits, international organizations, academia, etc.

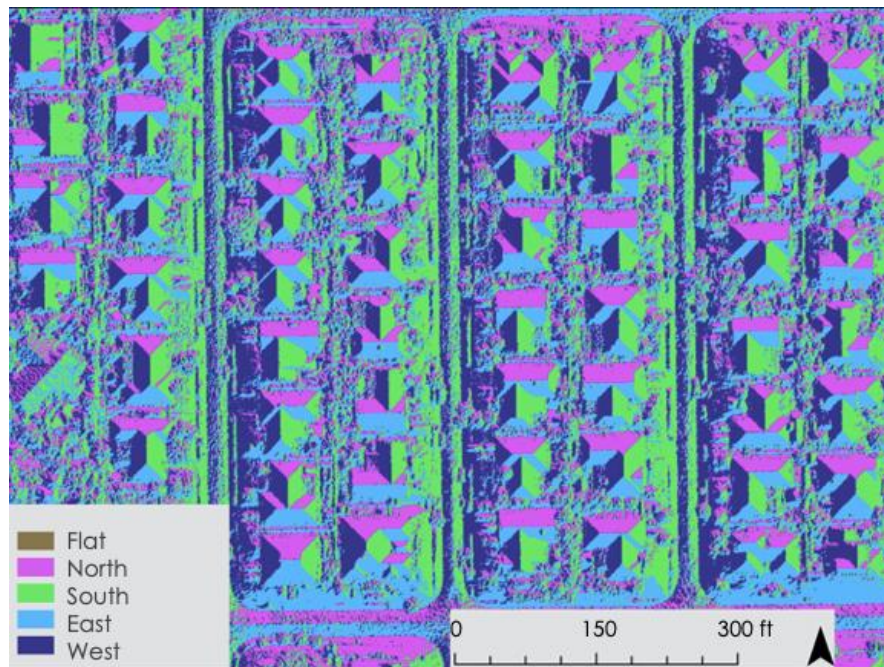
Each project is tailored to a specific end user that is making an environmental decision.



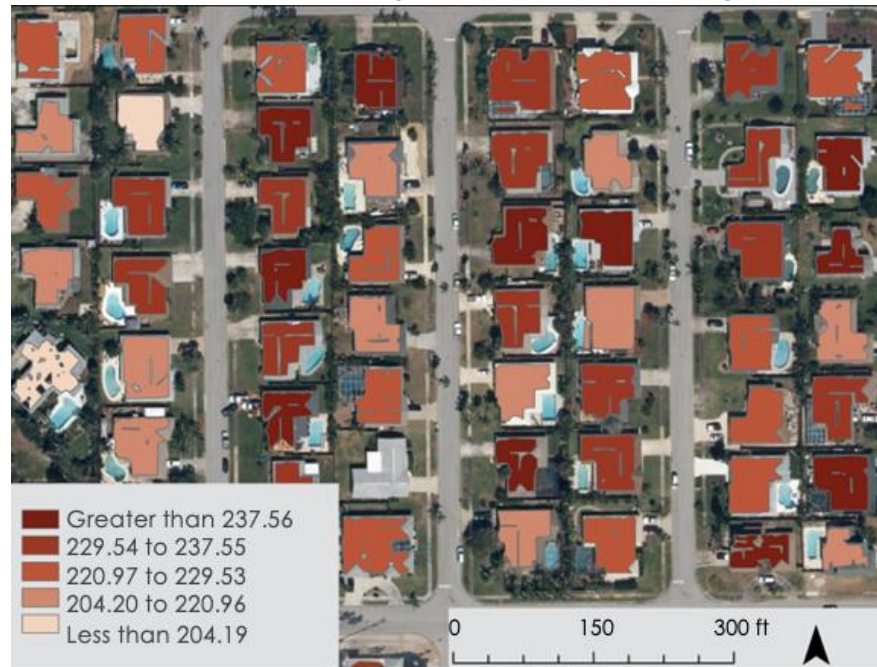
2021 Summer Term Partner Sectors

SATELLITE BEACH ENERGY (SUMMER 2020)

Rooftop Solar Irradiance

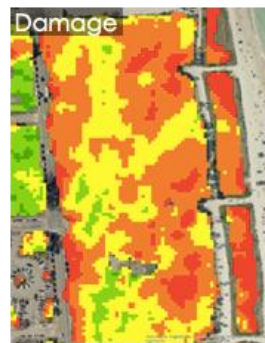


Annual PV Efficiency in KWh/m² by Rooftop

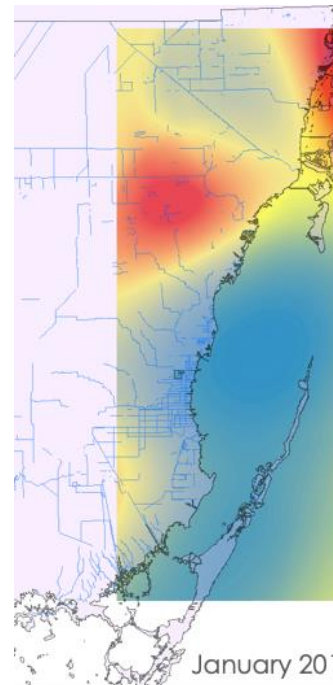


MIAMI BEACH URBAN DEVELOPMENT (SPRING 2018)

Vegetation Analysis



Water Quality Analysis



<https://www.youtube.com/watch?v=gnYW7awIfWc>

Community Concerns & Needs



Icon Credit: LA Great Streets, "Made by Made", Luis Prado, and Creative Mania

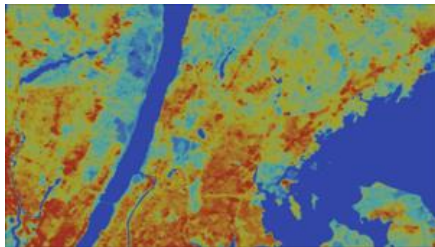
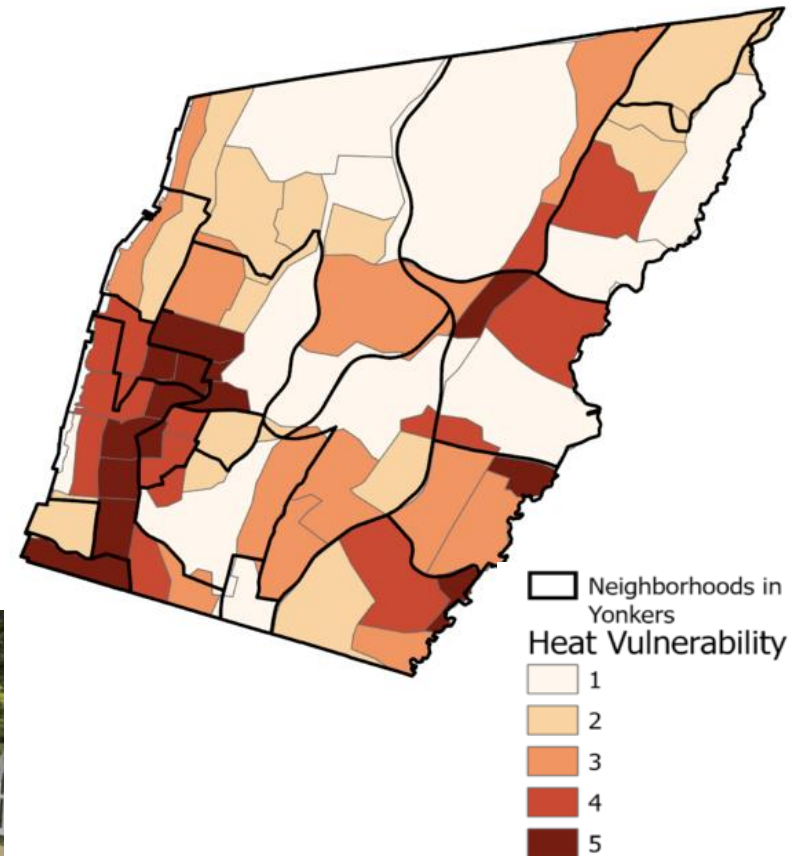


Image Credit: Yonkers Urban Development II Team



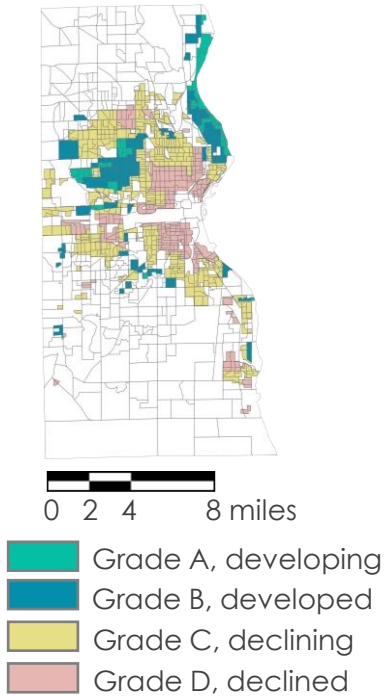
Image Credit: Google Street View

Heat Vulnerability Map

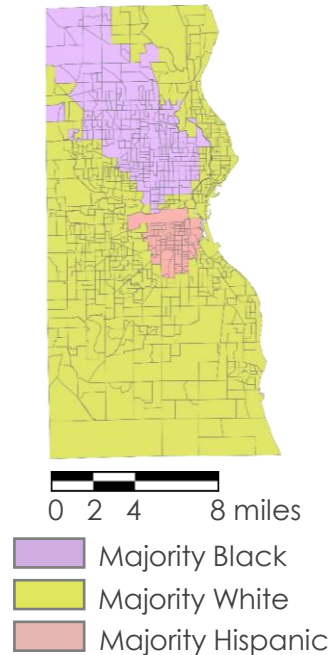


Environmental Justice Geospatial Data Analysis

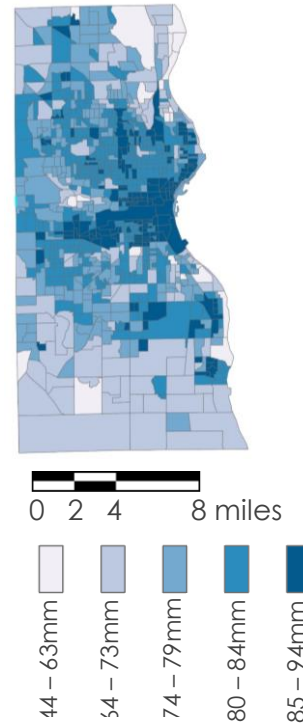
Historic Redlining



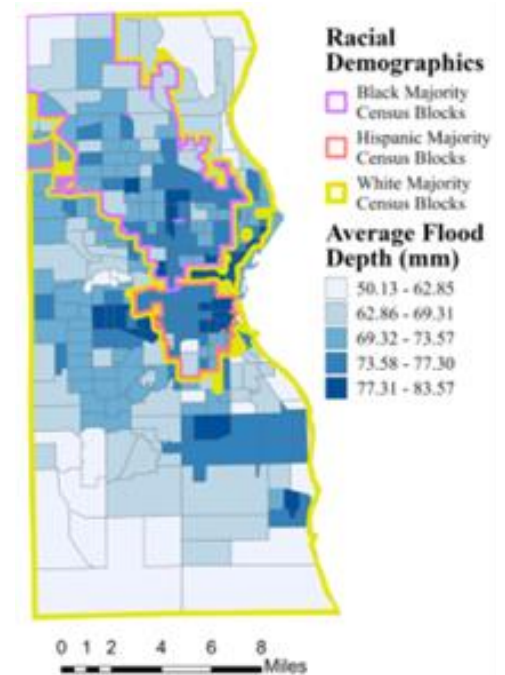
Racial Demographics



Modeled Flood Depth 4 in / 100 mm storm



Average Nominal Flood Depth by Majority Racial Demographic (100 mm storm)

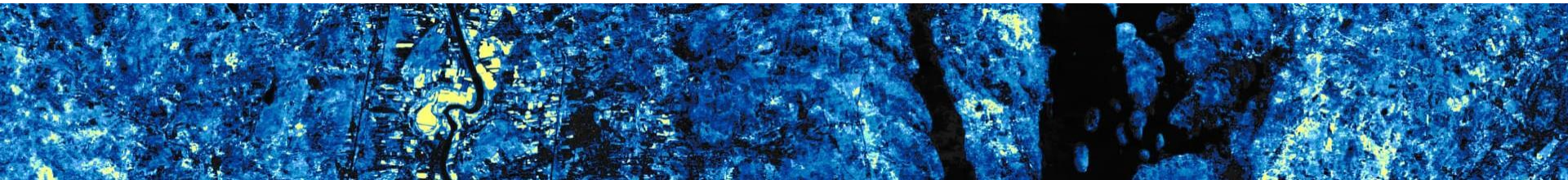


CONCLUSION

Benefits of Using Satellite Remote Sensing Data & Geospatial Analysis

- Observe and characterize the Earth's surface from your computer
- Collect information over large spatial areas and across time
- Monitor and understand change over time (and years)
- Satellite data can be integrated with in situ measurements for a holistic understanding of our environment
- Visualize your results in a multitude of ways through mapping, data plots, heat maps, etc.

NASA Earth observation data are a free and open resource for the world



HOW YOU CAN GET INVOLVED



ARSET

ARSET offers satellite remote sensing training that builds the skills to integrate NASA Earth Science data into decision-making activities. Through its decade of trainings, ARSET has reached over 25,000 participants from 160 countries and more than 5,000 organizations worldwide.

<https://appliedsciences.nasa.gov/arset>



DEVELOP

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<https://appliedsciences.nasa.gov/what-we-do/capacity-building/develop>



Next Week's Training

Emergency Preparedness from the Center for Independent Living October 14 at 1:30 pm

Register at

https://us02web.zoom.us/webinar/register/WN_28xAkLXASICvqP7v3oVJzQ



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Technical Assistance is Available

Available Daily: 1 (800) 677-4548

Options for Further Assistance Include:

Phone and Email consultation

Site Visits

Register at www.flhousing.org for:

Webinars and Other Events

Thank You!



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Michael Chaney
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Dayna Lazarus
lazarus@flhousing.org



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TOGETHER

