



ESTUARIO

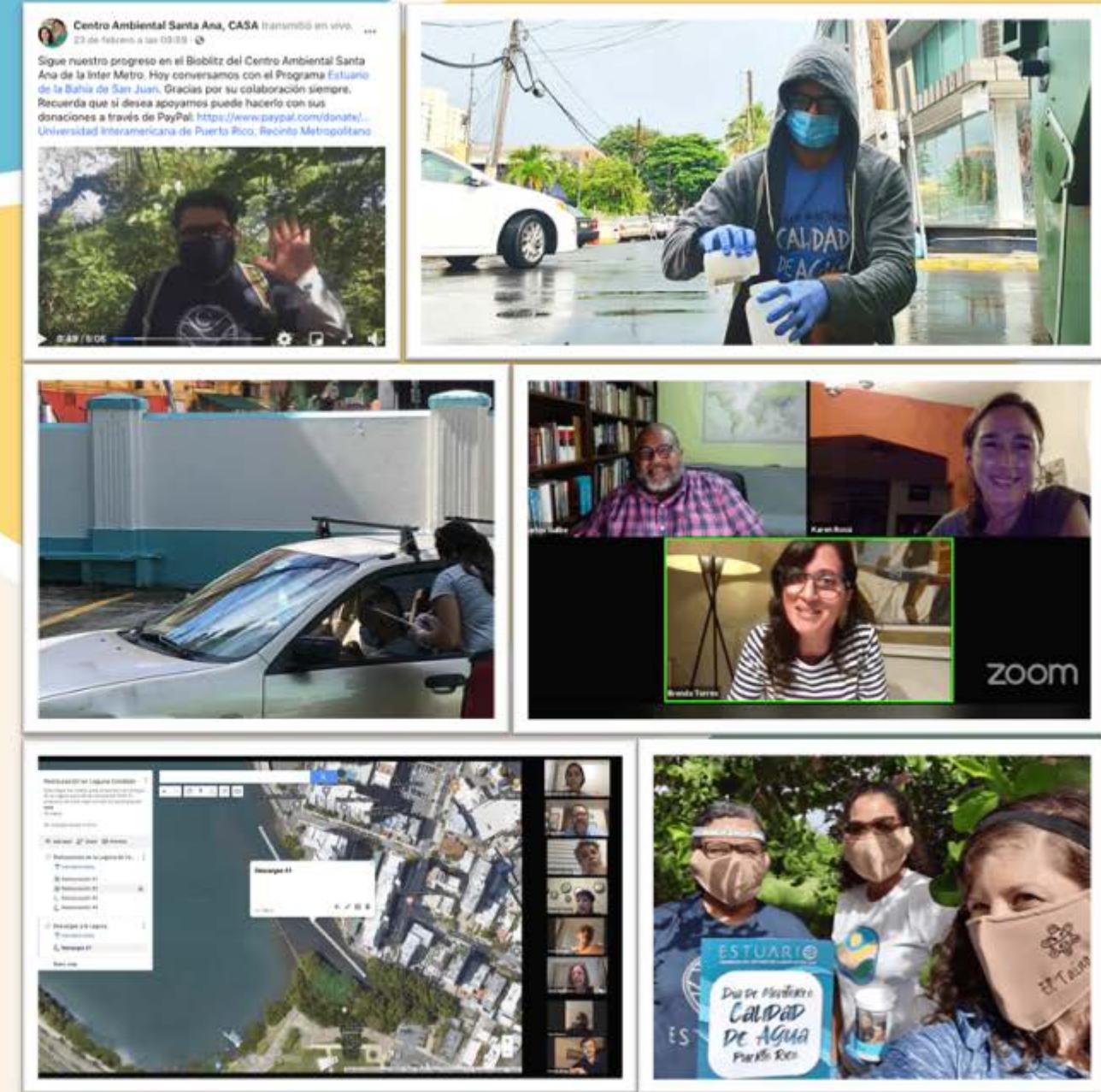
San Juan Bay National Estuary Program

EPA Work Plan & Budget 28 Executive Summary

Brenda Torres Barreto
Executive Director

The Paradigm Shift

- Covid-19 pandemic affected communities worldwide
- Estuario shifted to virtual operations
- Modified CCMP actions to follow physical distancing mandates and protocols
- Public engagement through virtual platforms & social media
- Development of safety protocol, continuation of hybrid operations



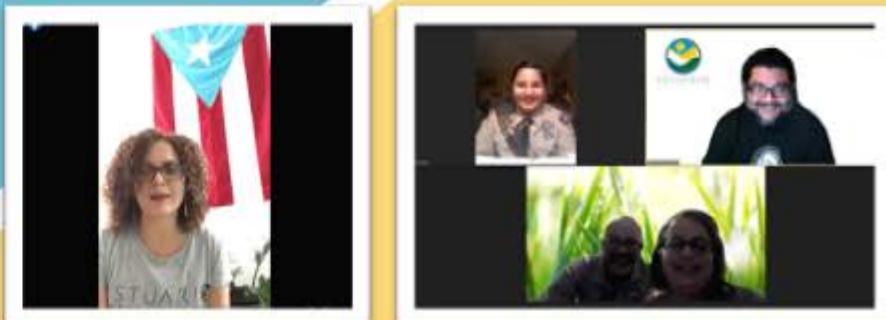
FY 2022 Priorities

- Environmental Justice
- Reduce Nutrient Pollution
- Marine Litter Reduction
- Green Infrastructure & Resiliency
- NEP Program Evaluation
- SJBE Watershed Hazard Mitigation Plan
- CCMP Revision



Focus on Communities

- Outreach & Empowerment
- Water Community Network
- Resilient Community Hubs
- Education Program
- Environmental Justice



Estuario Multijurisdictional Hazard Mitigation Plan

- Nine municipalities - Bayamón, Canóvanas, Carolina, Cataño, Guaynabo, Loíza, San Juan, Toa Baja and Trujillo Alto.

ESTUARI



PROGRAMA DEL ESTUARIO DE LA BAHÍA DE SAN JUAN



ATENCIÓN: RESIDENTE EN LA CUENCA HIDROGRÁFICA
DEL ESTUARIO DE LA BAHÍA DE SAN JUAN

PARTICIPA DE LOS TALLERES DE IDENTIFICACIÓN DE ACTIVOS
PARA EL PRIMER PLAN DE MITIGACIÓN DE RIESGOS MULTIJURISDICCIONAL DE P.R.

REGÍSTRATE A TU TALLER: estuario.org/mitigacion



@ESTUARIOSANJUAN / ESTUARIO.ORG

Green Infrastructure Master Plan

- Multisectorial collaboration
- Participatory mapping activities
- Support to municipalities in MS4 compliance



A screenshot of a video conference interface. On the right side, there is a vertical column of nine small video feeds showing different people. The main area shows a satellite map of a coastal town with several restoration projects highlighted in red. A sidebar on the left lists these projects with checkboxes: "Restauración en la Laguna de Ca..." (checked), "Restauración #1" (unchecked), "Restauración #2" (unchecked), "Restauración #3" (unchecked), "Restauración #4" (unchecked), "Descargas a la Laguna" (checked), "Descarga #1" (unchecked), and "Descarga #2" (unchecked). Below the sidebar is a "Base map" button.

Illicit Discharges Detection & Elimination

- Expanded to other regions in the watershed basin region of Río Grande de Loíza
- 200 diagnostic stations
- 85% critical illicit sanitary discharges localized and solved
- The Water Community Network – part of a “watchdog” network of citizens



Goals for CCMP Implementation in FY 2022

- Establishing governance structures according to watershed boundaries
- Using science to develop and implement management plan
- Fostering collaborative problem solving
- Involving and informing stakeholders to sustain commitment



Environmental Justice

- Long-term community resilience support
- Comprehensive watershed-based mitigation plan
- Community involvement and participation in decision-making processes
- Access to information
- Focus area in CCMP revision



Reduce Nutrient Pollution

- Water quality monitoring
- Socio-ecological resilience initiatives
- Expansion of the Water Community Network
- Anchoring efforts in Estuario's Resilient Community Hubs



Marine Litter Reduction

- Solid Waste Program and Oil Recycling Campaign was a success
- Estuario aims to expand this model to other estuarine communities
- Results will provide key input in the capacity for a recycling program in the Island's Metro Area



Green Infrastructure & Resiliency

- Focus on incorporating community-validated GI strategies
- Integrated coastal ecosystems strengthening
- Defense against extreme events



Strategic Initiatives

- Water Quality
- Habitat & Wildlife
- Aquatic Debris
- Public Education & Involvement
- Green Infrastructure



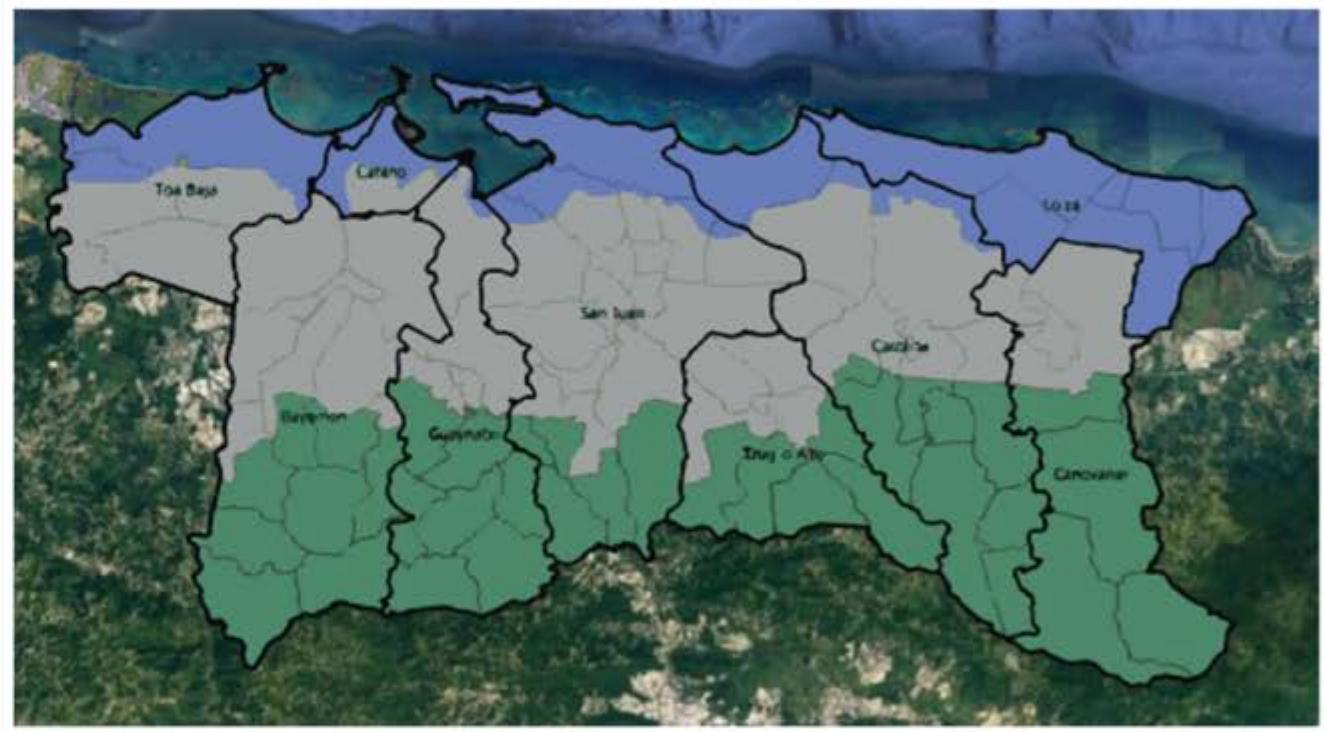
NEP Program Evaluation

- Findings will determine actions Estuario will include in its CCMP revision
- Will ensure relevant and sustainable goals



Hazard Mitigation Plan

- Identification of vulnerabilities and assets
- Development of long-term watershed-based mitigation strategies
- Inclusion of Estuario's Scientific and Technical Advisory Committee (STAC) and Water Community Network
- Mitigation Plan submission to FEMA



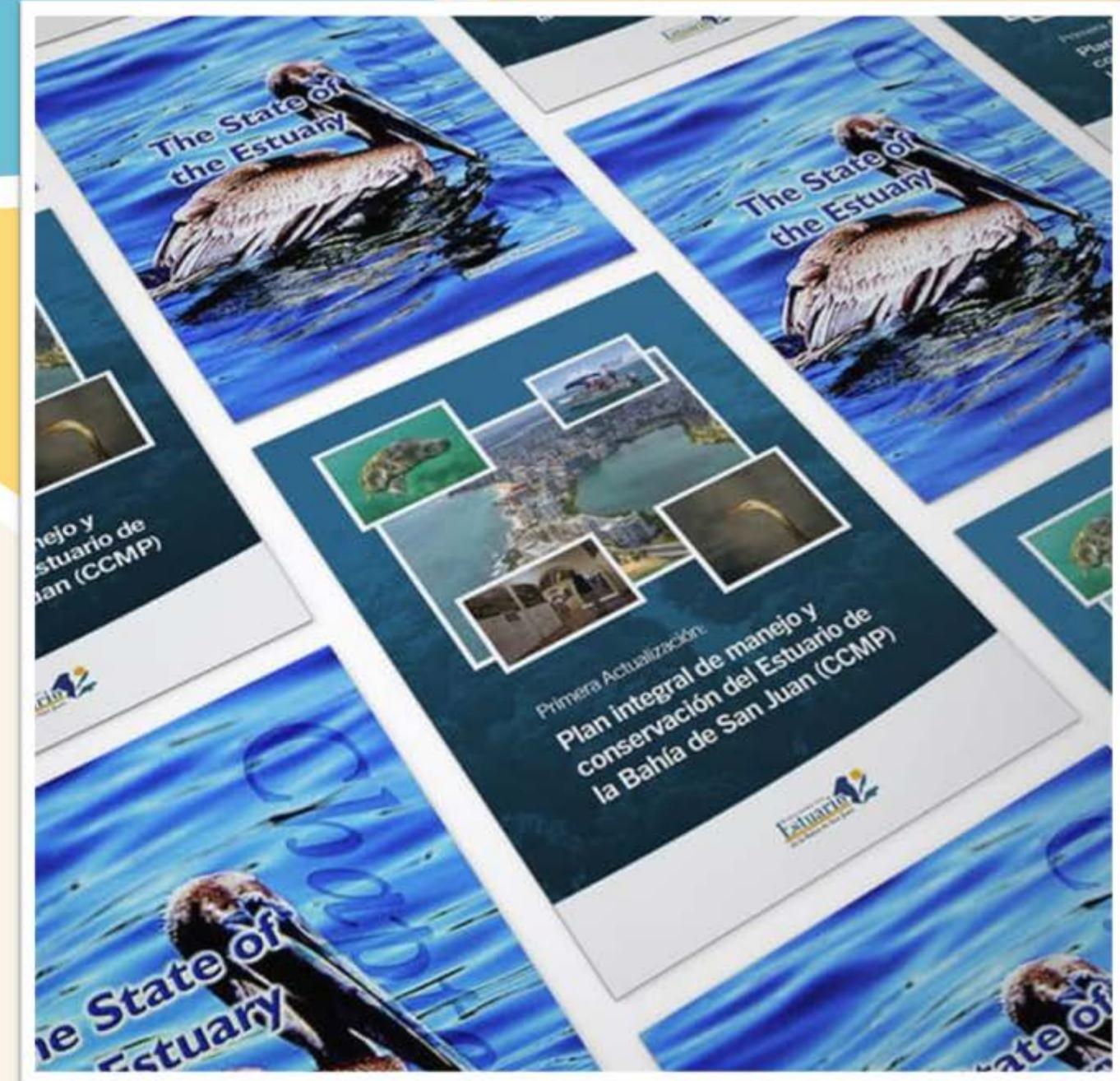
CCMP Revision

- Will require extensive analysis of proposed actions, their status and effectiveness
- Expected to update, amend, and offer further actions based on current and projected threats to the ecosystem
- Framework will be based on fellow 27 NEP programs and their CCMPs to identify lessons learned



Strategic Five-Year Plan

- Sustainable growth of our organization is a common purpose
- Coordination of NEP evaluation, Hazard Mitigation Plan and Green Infrastructure Master Plan



Accomplishments and Completed 2021 Major Projects

12th Puerto Rico Water Quality Monitoring Day



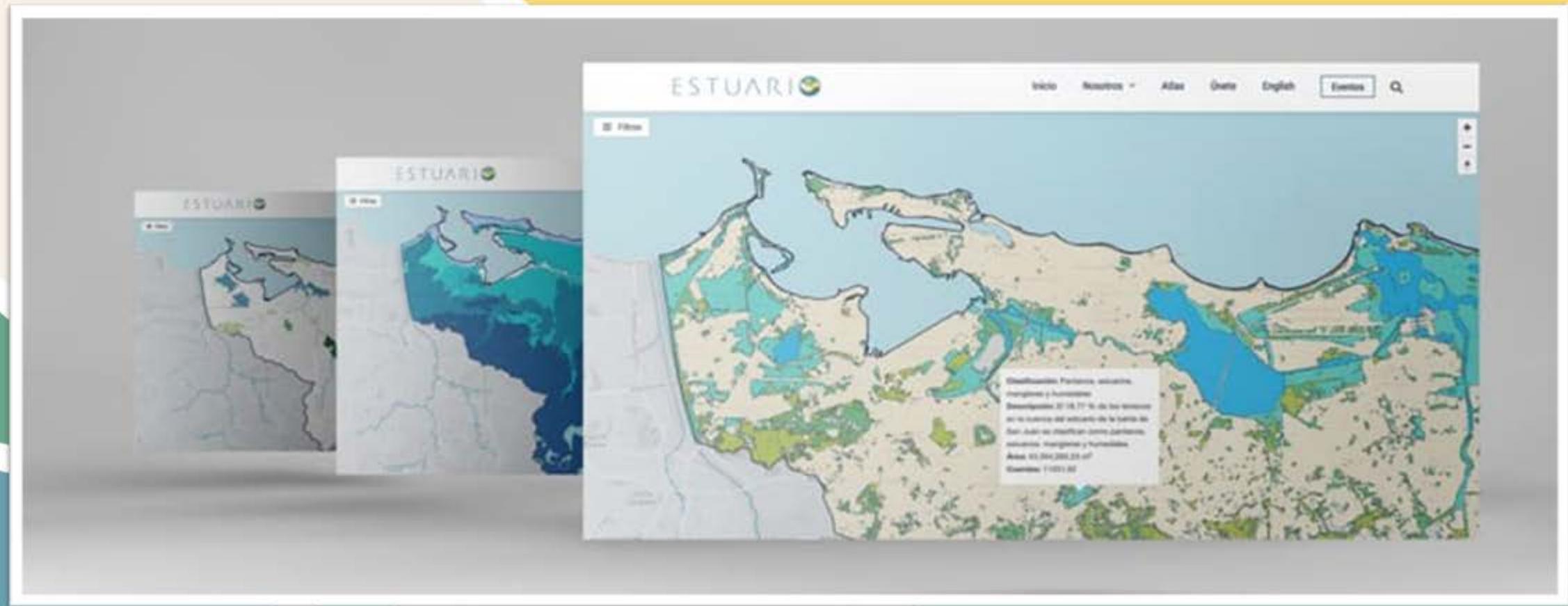
Urban Forest Network



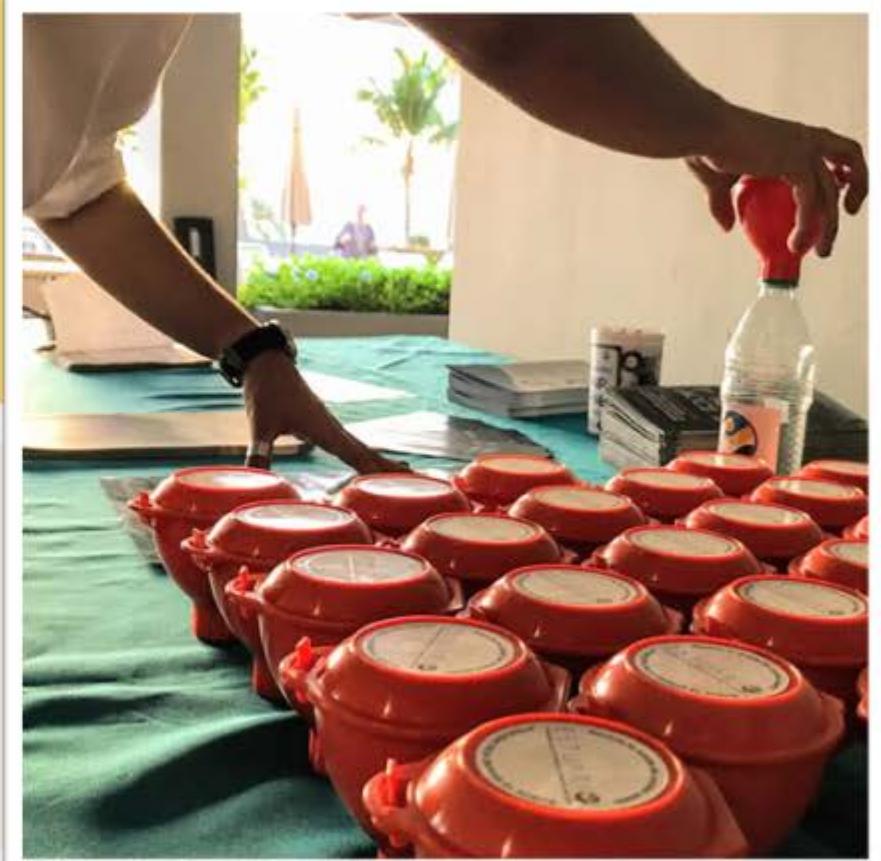
Vivero Estuario



Development of a Watershed Ecosystems Services Index & Health Indicator



Oil Recycling Program



Co-Management of the Condado Lagoon Estuarine Reserve



Solid Waste Management Activities



Citizen Science Certification Program

- 598 people impacted so far in FY 2021 (6 workshops)
- 782 in FY 2020 (13 workshops)



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PROGRAMA DEL ESTUARIO DE LA BAHÍA DE SAN JUAN

TALLERES PARA LA CERTIFICACIÓN
DE CIUDADANOS CIENTÍFICOS

REGÍSTRATE: estuario.org/ccc

Facebook icon | Twitter icon | Instagram icon | @ESTUARIOSANJUAN / ESTUARIO.ORG | CCC202026

**CENSOS DE AVES:
INTRODUCCIÓN A EBIRD**
MIÉRCOLES, 5 DE MAYO DE 2021, 3-4PM POR ZOOM
CON: CORAL AVILÉS SANTIAGO Y ELIEZER NIEVES RODRÍGUEZ



**CALIDAD DE AGUA:
ANÁLISIS BACTERIOLÓGICO**
MIÉRCOLES, 12 DE MAYO DE 2021, 3-4PM POR ZOOM
CON: HAROLD MANRIQUE HERNÁNDEZ



**CARACTERIZACIÓN
DE MICROPLÁSTICOS EN AGUA**
MIÉRCOLES, 19 DE MAYO DE 2021, 3-4PM POR ZOOM
CON: CRISTINA RAMÍREZ COLÓN



Estuarine Education Program



Communications Program

40 / AMBIENTE HOY

Resaltan los servicios que ofrecen los humedales

Agencia de las Naciones Unidas para el Desarrollo Sostenible, la Red de Bosques Urbanos y la Comisión Interinstitucional para la Conservación y Restauración de los Humedales de Puerto Rico, celebraron el Día Mundial de los Humedales con una feria en la Isla Verde.



AMBIENTE HOY / 41

Cuidá de los tuyos

Guíate con información confiable.



A TODOS LOS COLABORADORES Y COMUNIDADES ESTUARINAS, POR SU CONTINUO COMPROMISO

ESTUARIO

¡GRACIAS!

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OPINIÓN / 25

Es vital invertir en infraestructura de agua

S

Laguna San José, frente para la equidad

Brenda Torres Barreto



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PROGRAMA DEL ESTUARIO DE LA BAHÍA DE SAN JUAN

REDESCUBRE LA RED DE BOSQUES URBANOS DE LA CUENCA DEL ESTUARIO DE LA BAHÍA DE SAN JUAN

PARTICIPA DE LA CHARLA INFORMATIVA

MARTES, 13 DE ABRIL DE 2021, A LAS 6PM POR ZOOM

REGÍSTRATE HOY: estuario.org/rbu

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Laguna San José, frente para la equidad

BRENDA TORRES BARRETO

PREPÁRA TU MOCHILA DE EMERGENCIAS

ESTUARIO

ESTUARIO

PROYECTOS Y OPORTUNIDADES DE PARTICIPACIÓN CIUDADANA EN EL 2021

JUEVES, 18 DE FEBRERO DE 2021, 6PM POR ZOOM

REGÍSTRATE: <http://bit.ly/popc2021>



42 / OPINIÓN

Justicia ambiental para todos los puertorriqueños

BRENDA TORRES BARRETO

OBSERVA Y REGISTRA AVES DESDE TU CASA

ESTUARIO GLOBAL BIG DAY

6 DE MARZO DE 2021

CENSOS DE AVES: INTRODUCCIÓN A LIBRO

REGÍSTRATE HOY: estuario.org/cct



ESTUARIO

PROGRAMA DEL ESTUARIO DE LA BAHÍA DE SAN JUAN

TE INVITA AL TALLER DE CAPACITACIÓN

CENSOS DE AVES NAVIDEÑOS EN LA CUENCA DEL ESTUARIO DE LA BAHÍA DE SAN JUAN

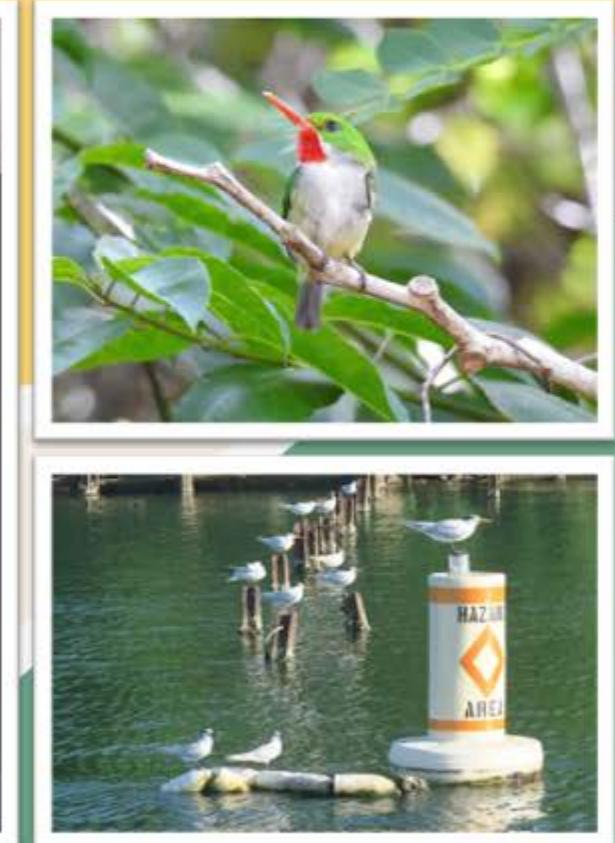
SÁBADO 12 DE DICIEMBRE DE 2020, 10AM-12PM POR ZOOM

REGÍSTRATE AL TALLER (LIBRE DE COSTO): <https://bit.ly/tallercenso>

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Bird Census



Thank You!



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San Juan Bay National Estuary Program