

Coastal Environmental Risk Index (CERI): Charlestown, RI

RI Shoreline Change SAMP

STORMTOOLS Coastal Environmental Risk Index(CERI) Risk and Damage App

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100yr, SLR7, Eroded Dune

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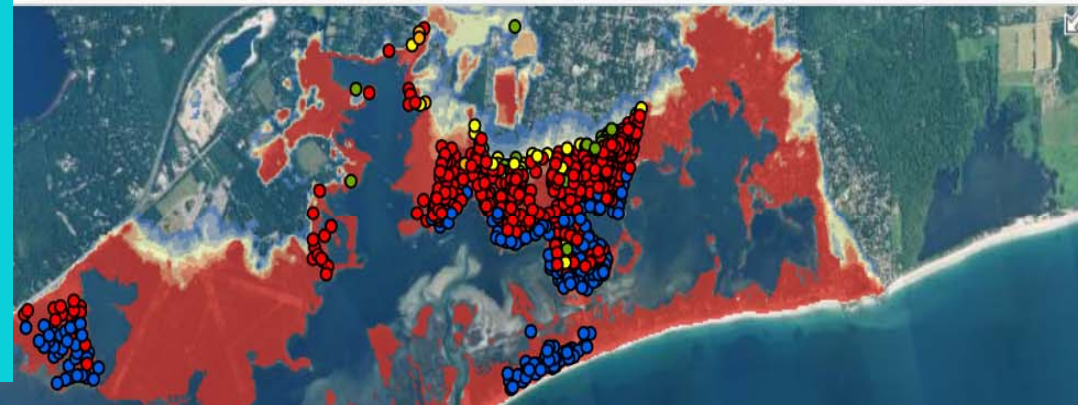
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Measure



Find address or place



● 51 - 75

● 26 - 50

● 0 - 25

● Below MSL

● Loss to Erosion

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RI Flood Mitigation Association (RI FMA) 2019 Conference

Fidelity Investments
900 Salem Street
Smithfield, Rhode Island 02917

April 30, 2019 8:00AM – 4:30PM

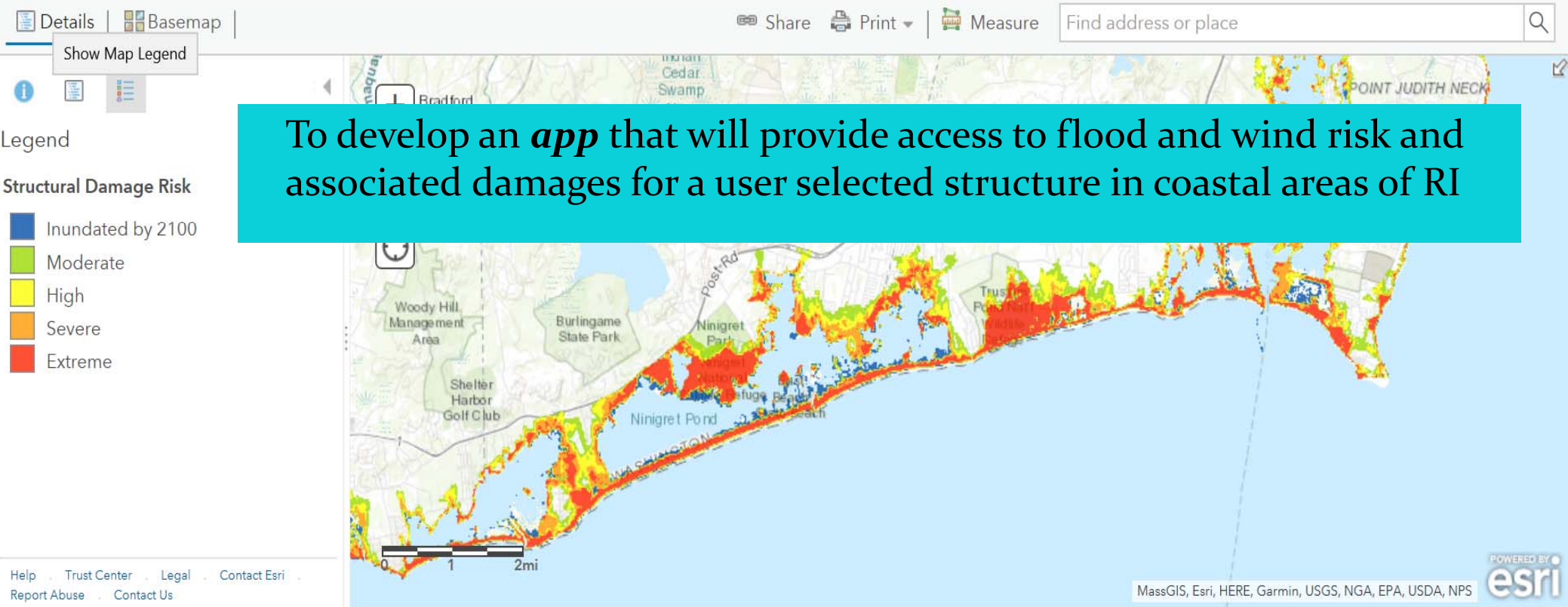
STORMTOOLS Design Elevation (SDE), South Coast

RI Shoreline Change SAMP

100yr, SLR0 100yr, SLR2 100yr, SLR3 100yr, SLR5 100yr, SLR7 100yr, SLR10

Home ▾ STORMTOOLS Design Elevation (SDE), South Shore, SLR3

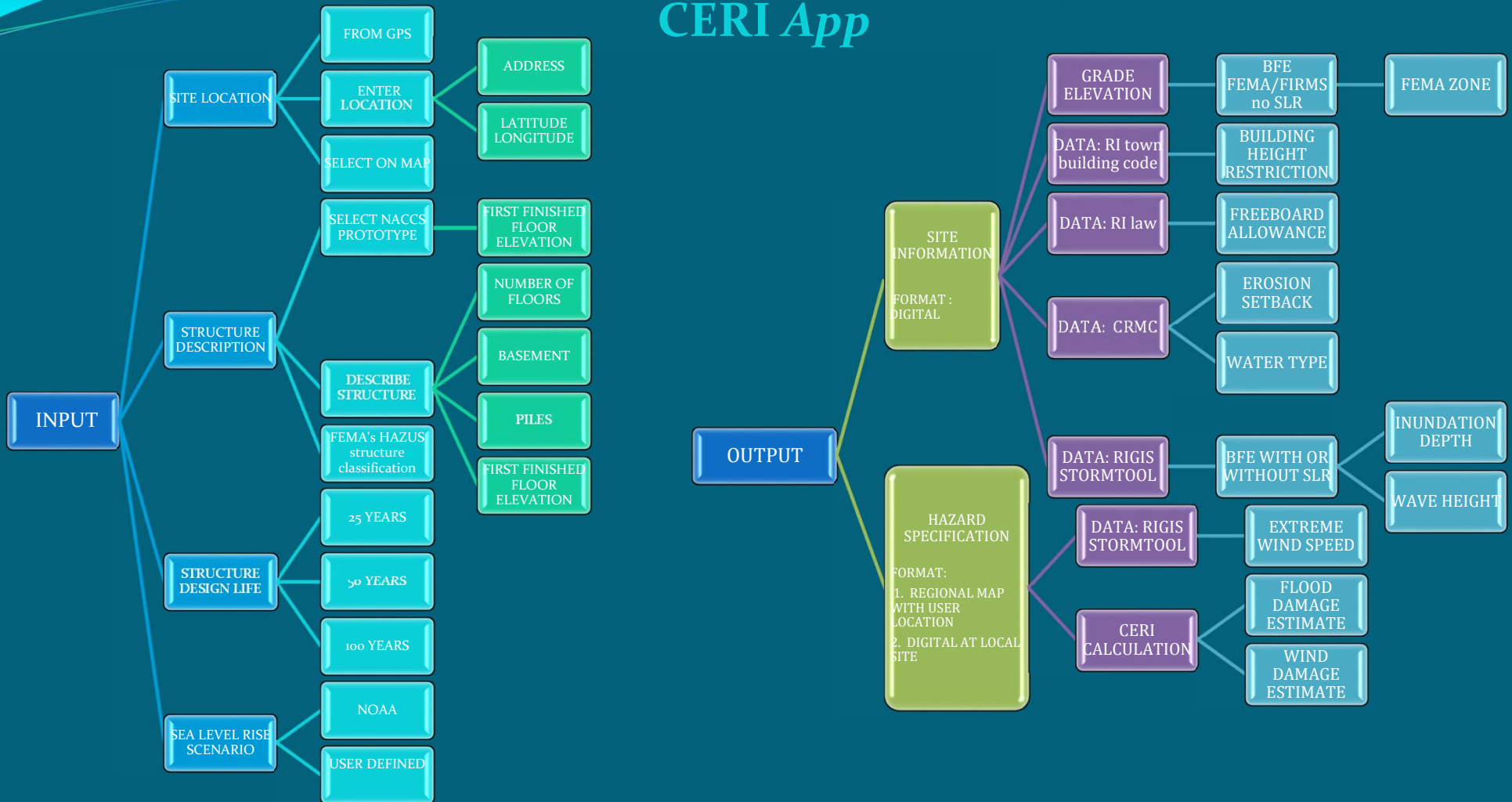
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 12:48 PM 4/28/2019

Input and Output of STORMTOOLS CERI App



ASCE 7 HAZARD TOOL

↶

Location

Elevation92 ft with respect to North American Vertical Datum of 1988 (NAVD 88)

Lat:41.40205

Long:-71.599277

Standard:ASCE/SEI 7-16

Risk Category:I

Soil Class:

Wind

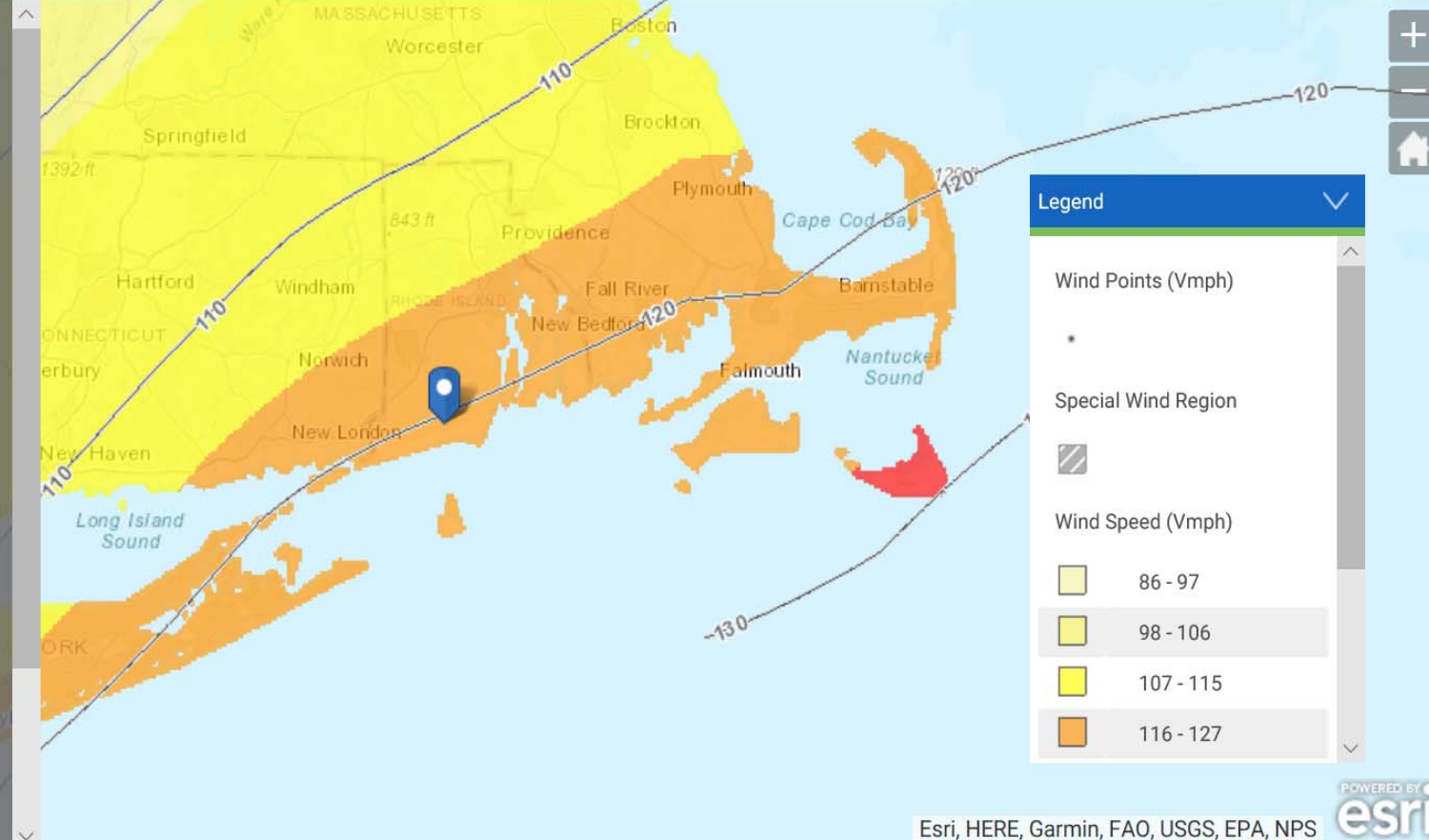
120 Vmph

Overlay☒

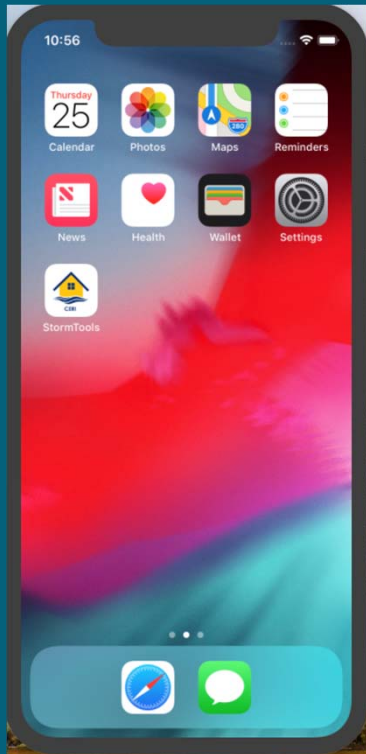
DETAILS

FULL REPORT

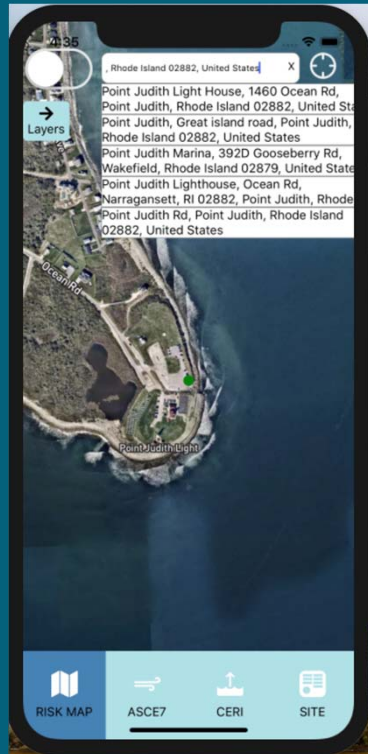
SUMMARY



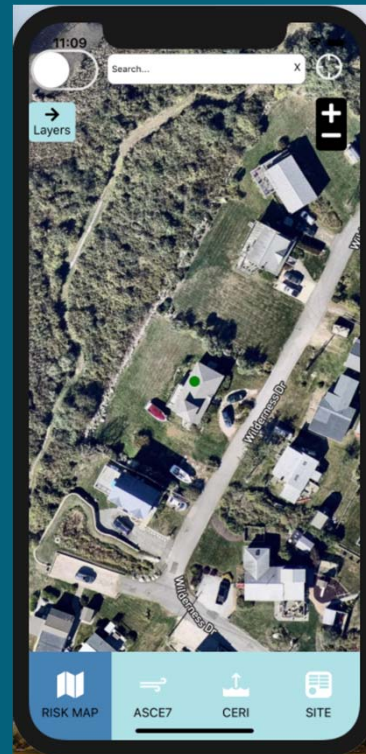
CERI Flood Risk & Damage App



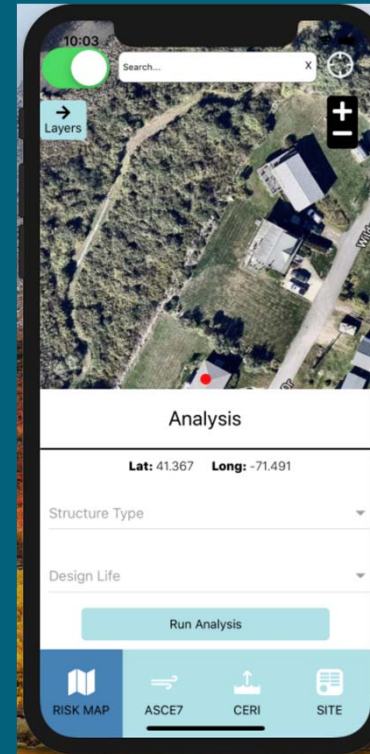
launch



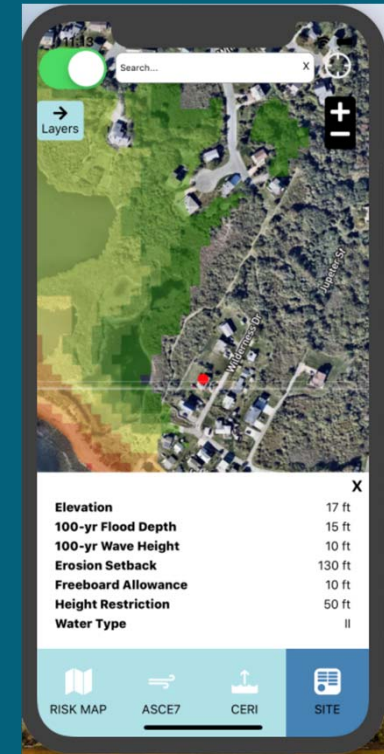
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lock



run



return

Questions

Project sponsor: NOAA Office of Coastal Management, Projects of Special Merit Program

Dune Eroded
No Sea Level Rise

1 100

Projected Percent Damage

Dune Eroded
7' Sea Level Rise

1 100

Projected Percent Damage

Stempel 2016

Stempel 2016

Project Schedule

- Setup Advisory Board (Focus Group) and Kickoff Meeting: February 13, 2019
- Develop initial app: January 1 to July 15, 2019
- Meet with Advisory Board to demonstrate app: late July 2019
- Receive feedback from Advisory Board: early August 2019
- Revise app: late July 2019 to October 2019
- Meet with Advisory Board to demonstrate revised app: October 2019
- Beach SAMP Workshop (1 hr) – November 2020
- Technical Briefing Training Session (3 hr) - November 2020

Project Advisory Board

- Executive Director, RI Coastal Resources Management Council (CRMC)(chair)
- Charlestown Building Officer
- Executive Director, RI Independent Insurance Agents
- President, RI Builders Association
- Chief Resiliency Officer, RI
- Flood Plain Manager, RI Emergency Management Agency
- Planner, RI Department of Environmental Management
- Director, Insurance Institute for Building and Home Safety (IBHS)
- RI Nature Conservancy