



WORLD  
RESOURCES  
INSTITUTE

# IT SAVES TO SPEND

*Introducing the Aqueduct Global Flood Analyzer 2.0*

TIANYI LUO | SENIOR MANAGER, WORLD RESOURCES INSTITUTE | STOCKHOLM, 2018

# A TOOL BUILT ON SOLID FOUNDATIONS

- Peer-reviewed science
- Cutting-edge technology
- Strategically-targeted users

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**RESOURCEWATCH**

- **Easy visualization & transformation**
- **Open source API** (works like Lego)
- **Fast response** (built with Google Earth Engine and Carto)

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Data feed into:

Available on the  
**Bloomberg  
Terminal**<sup>®</sup>



# OPEN SOURCE GLOBAL FLOOD RISK & CBA TOOL

**AQUEDUCT** BETA FLOOD

TOOLS HOW TO RESOURCE LIBRARY ABOUT US GET INVOLVED

RISK HAZARD **COST-BENEFIT ANALYZER**

Select a location Compare with

Select a location Compare with

Select a future scenario

Business as usual

Existing Protection Level (Return Period)

50

Design Protection Level (Return Period)

250

Target Year for the Design Protection Level 2080

**APPLY CHANGES**

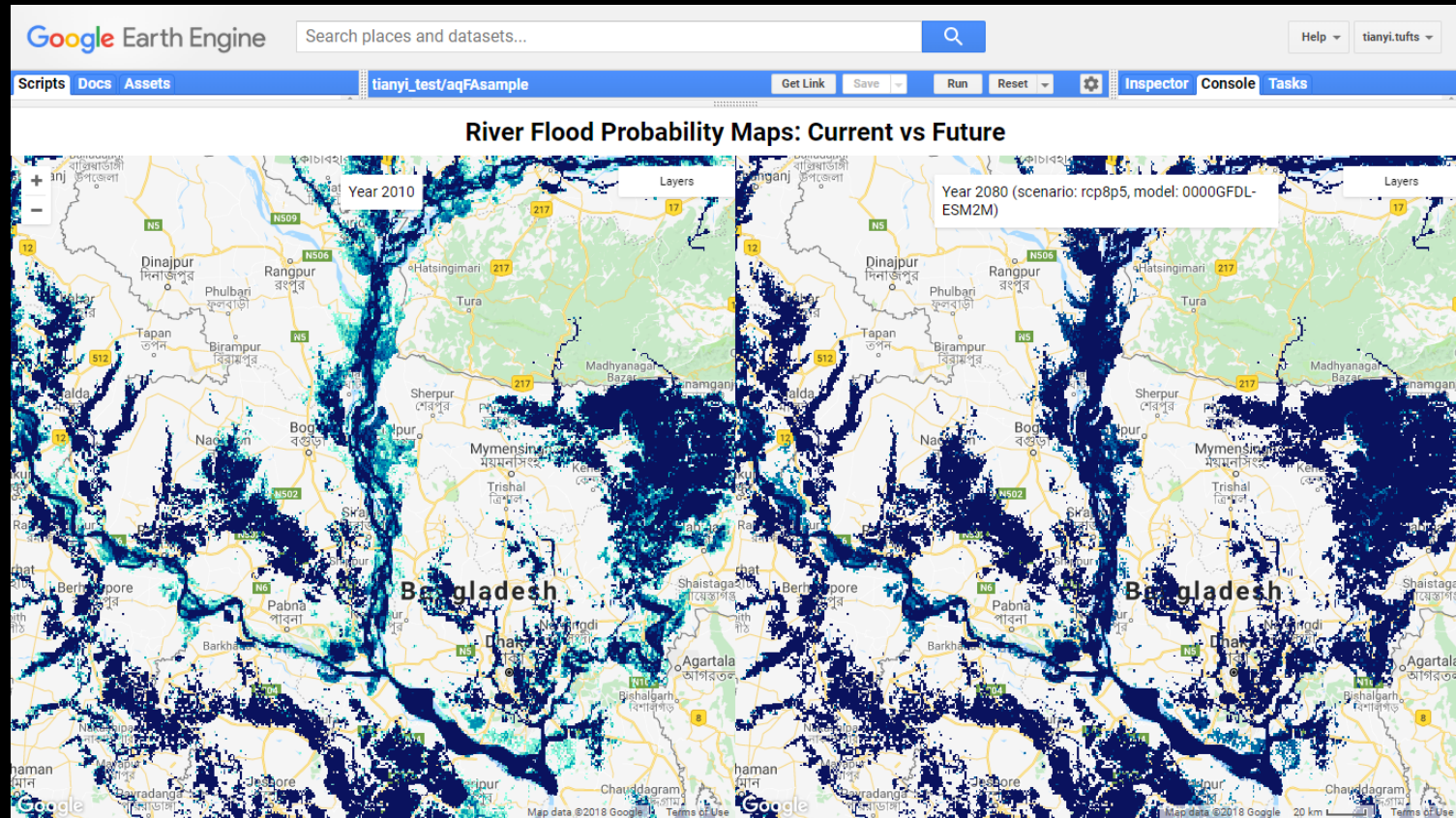
ANNUAL TOTAL COSTS VS BENEFITS FROM 2020 TO 2040

Year	Costs vs Benefits (n)
2020	0.2
2028	0.8
2036	2.4
2044	2.2
2052	1.8
2060	1.5
2068	1.2
2076	1.0
2084	0.8
2092	0.7
2100	0.6

ANNUAL TOTAL COSTS VS BENEFITS FROM 2020 TO 2040

Year	Costs vs Benefits
2020	80
2028	0
2036	0
2044	180
2052	200
2060	210
2068	220
2076	230
2084	240
2092	250
2100	260

# CURRENT & FUTURE FLOOD INUNDATION MAPS



# CONTACT

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