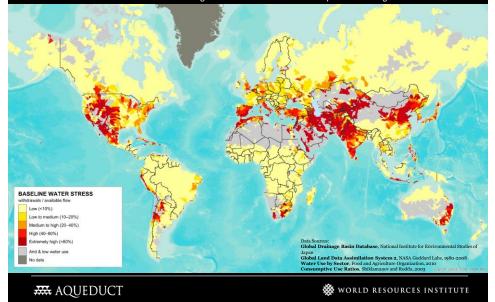


#### **BASELINE WATER STRESS**

Total annual water withdrawals (municipal, industrial, and agricultural) expressed as a percentage of the total annual available blue water. Higher values indicate more competition among users.



### **AQUEDUCT CORPOATE USERS**



#### AQUEDUCT IN TEACHING AND RESEARCH



**AQUEDUCT** 

🌞 WORLD RESOURCES INSTITUTE

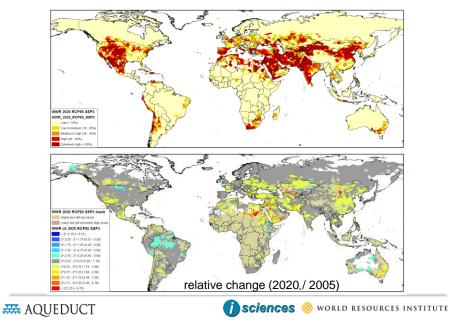




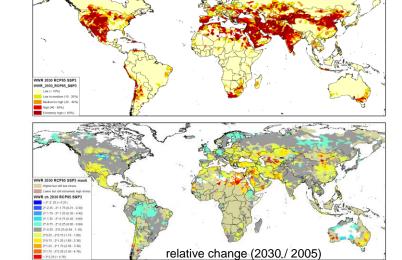
# PROJECTED CHANGE IN WATER STRESS



# WATER STRESS (RCP85/SSP3) 2020



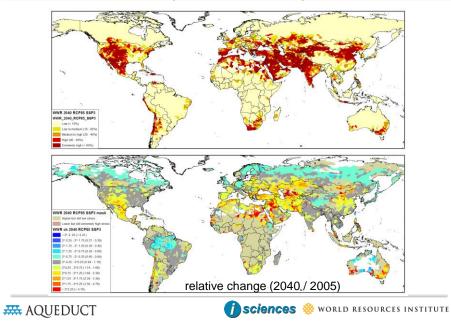


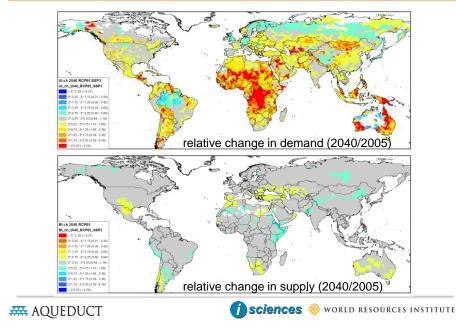


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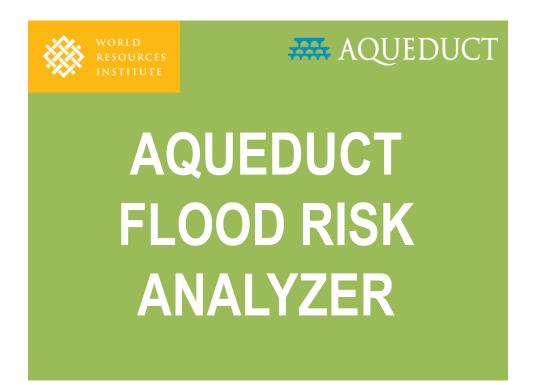
**isciences** 🛞 world resources institute

## WATER STRESS (RCP85/SSP3) 2040





#### **RELATIVE CHANGE IN SUPPLY & DEMAND**





#### AQUEDUCT FLOOD ANALYZER PARTNERS



# **FLOOD PROJECTIONS**

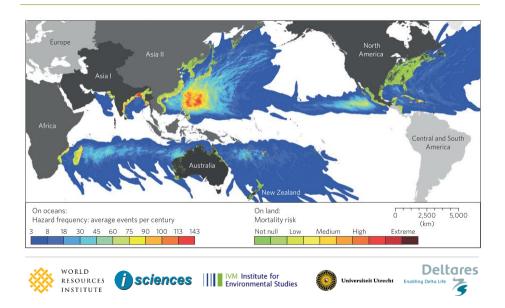


Global indicators of flood risk under current and future climate and socio-economic conditions.

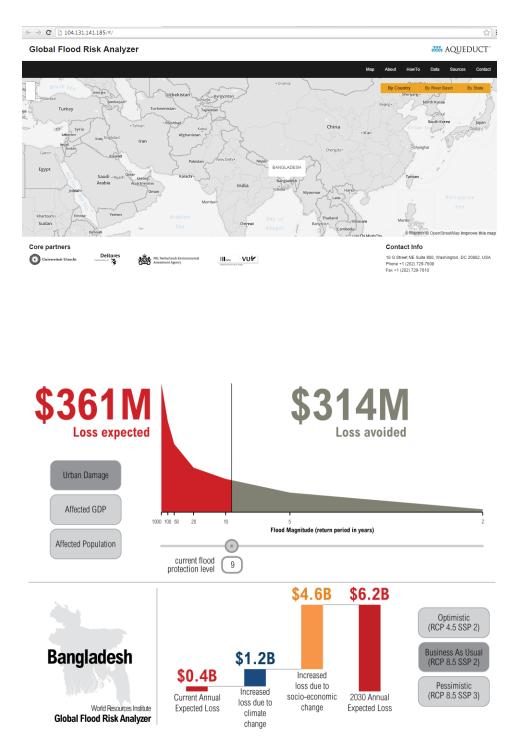
🛲 AQUEDUCT

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**STORM SURGE MODELLING** (Proposed collaboration with Declares, VU University Amsterdam, Utrecht University, and PBL)

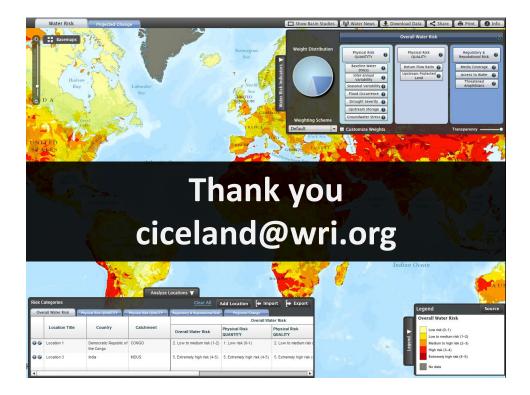


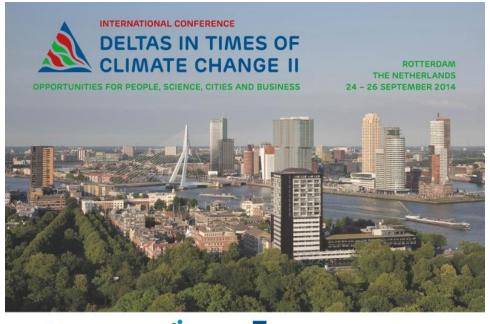
### AQUEDUCT FLOOD ANALYZER v1.0 in beta testing



\$212M Loss expected		\$463M Loss avoided				
Affected Population	000 100 50 20 10 at flood 20	s 5 Flood Magnitude (return pa	eriod in years)	2		
		\$ <mark>2.8</mark> B	\$3.7B	Optimistic (RCP 4.5 SSP 2)		

Bangladesh	\$0.2B	\$0.7B			Business As Usual (RCP 8.5 SSP 2)
World Resources Institute Global Flood Risk Analyzer	Current Annual Expected Loss	Increased loss due to climate change	Increased loss due to socio-economic change	2030 Annual Expected Loss	Pessimistic (RCP 8.5 SSP 3)







Knowledge for Climate Ministry of Infrastructure and the Envi Ministry of Foreign Atlairs C40CITIES