

GEO GLOBAL WATER SUSTAINABILITY



9TH WORLD WATER
FORUM | DAKAR 2022



Session 3E1

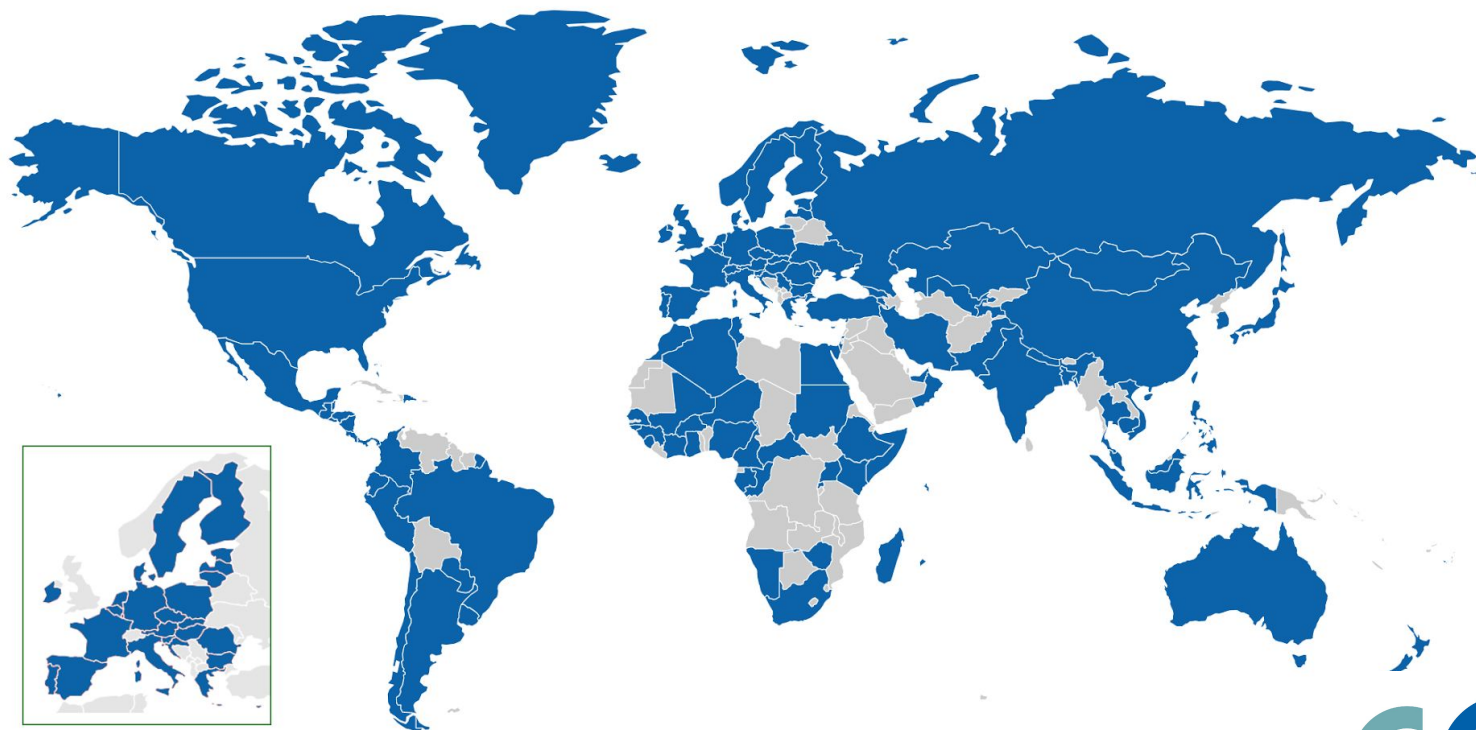
“Satellites and water resources management: towards a revolution?”

Angelica L. Gutierrez

Lead Scientist at the National Oceanic and Atmospheric Administration (NOAA)

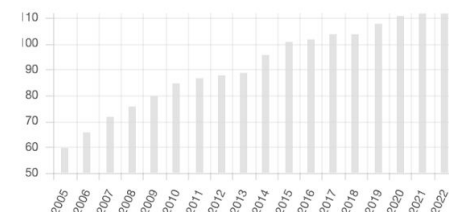
GEOGloWS Co-chair

(Use slider under the map to change the year)



Africa:	30
Americas:	20
Asia/Oceania:	22
C.I.S.:	6
Europe:	35
Total:	113

Number of Members by year

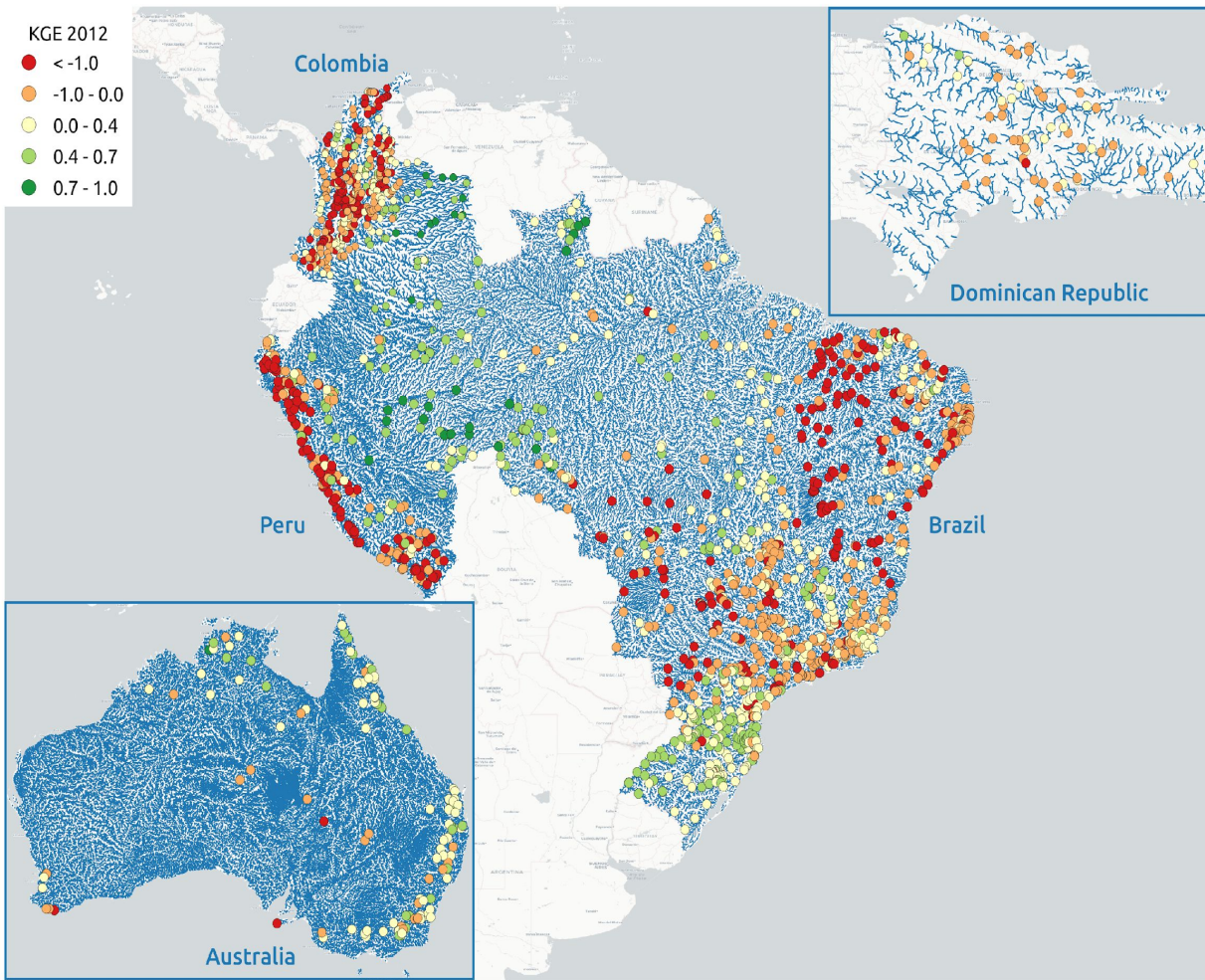


GEO GROUP ON
EARTH OBSERVATIONS

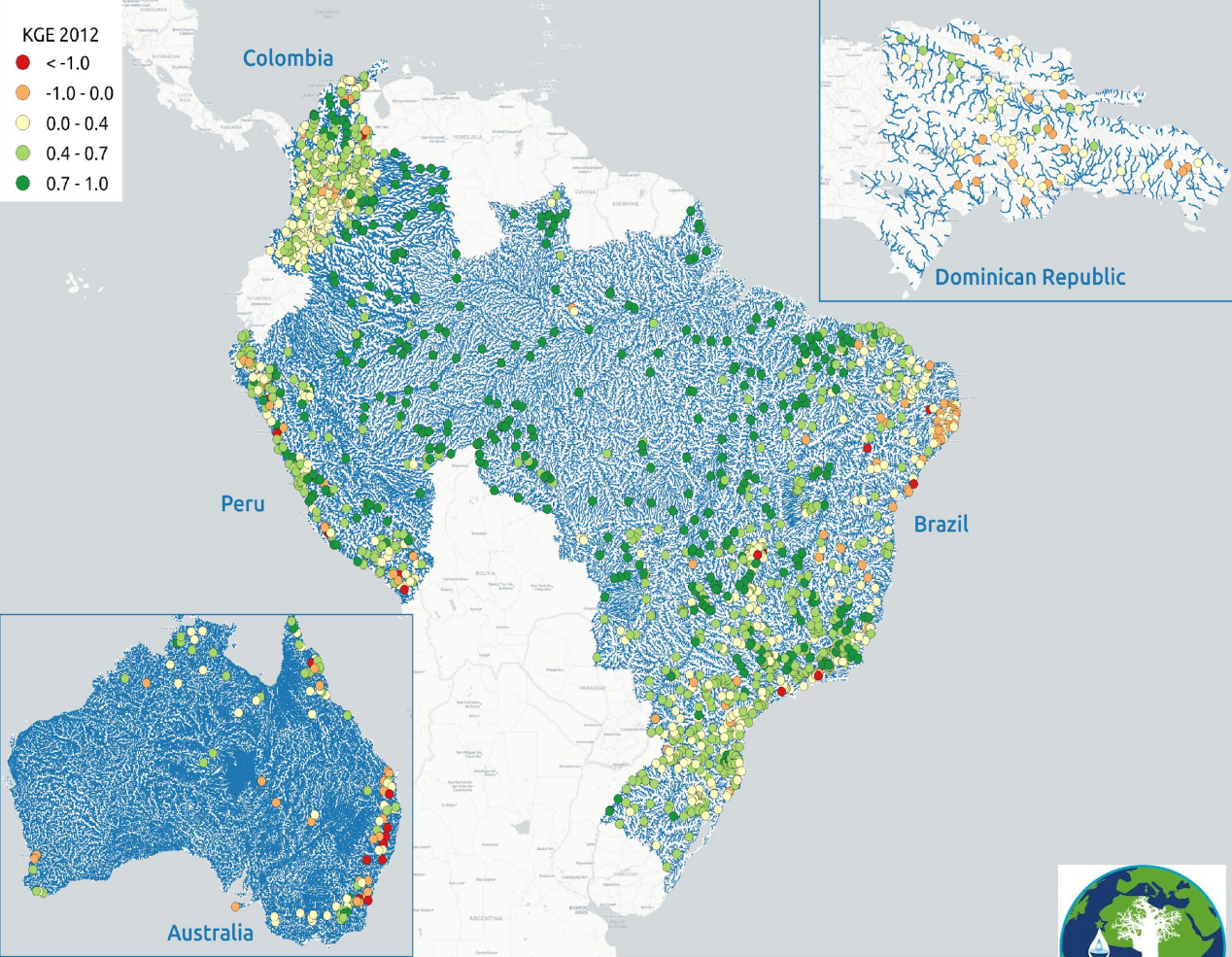


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- KGE 2012
- < -1.0
 - -1.0 - 0.0
 - 0.0 - 0.4
 - 0.4 - 0.7
 - 0.7 - 1.0



- KGE 2012
- < -1.0
 - -1.0 - 0.0
 - 0.0 - 0.4
 - 0.4 - 0.7
 - 0.7 - 1.0



2-yr Return Period	13%	96%	100%	98%	95%	88%	79%	6%	4%	4%				
5-yr Return Period	26%	90%	93%	85%	79%	62%	4%	4%	4%					
10-yr Return Period	23%	83%	87%	87%	87%	77%	4%	4%	4%					
25-yr Return Period	62%	75%	73%	62%	4%	2%								
50-yr Return Period	58%	67%	67%	39%	6%	4%								
100-yr Return Period	21%	56%	46%	21%	4%	2%								



GEOGLOWS 2.0

GLOBAL WATER SUSTAINABILITY



Se Connecter | S'inscrire | Outils | Aide

Séries temporelles de hauteurs d'eau sur les fleuves et lacs du monde

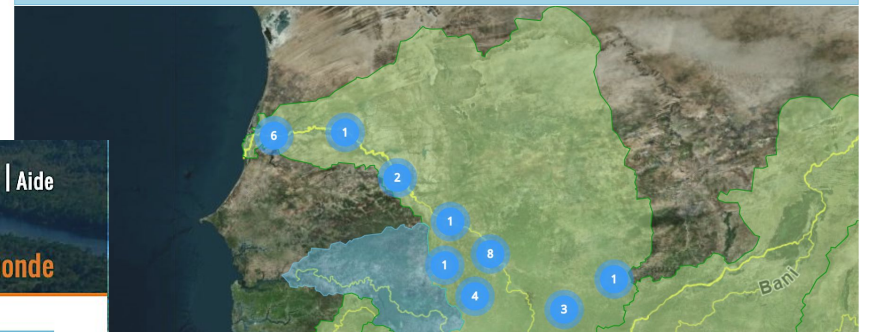
Cliquer ici pour masquer la carte / liste des produits sous la carte



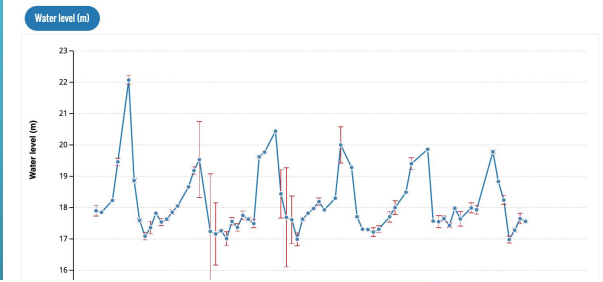
Sélectionnez un bassin

Time series of water levels in the rivers and lakes around the world

[Click here to hide map / see product list below](#)



River Senegal



GEOGloWS Toolbox



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GEOGLOWS 2.0

GLOBAL WATER SUSTAINABILITY



TOWARDS FLOOD IMPACT

TOWA

Flood Impact Viewer

SELECT DATA

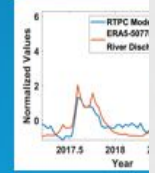
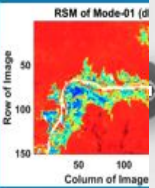
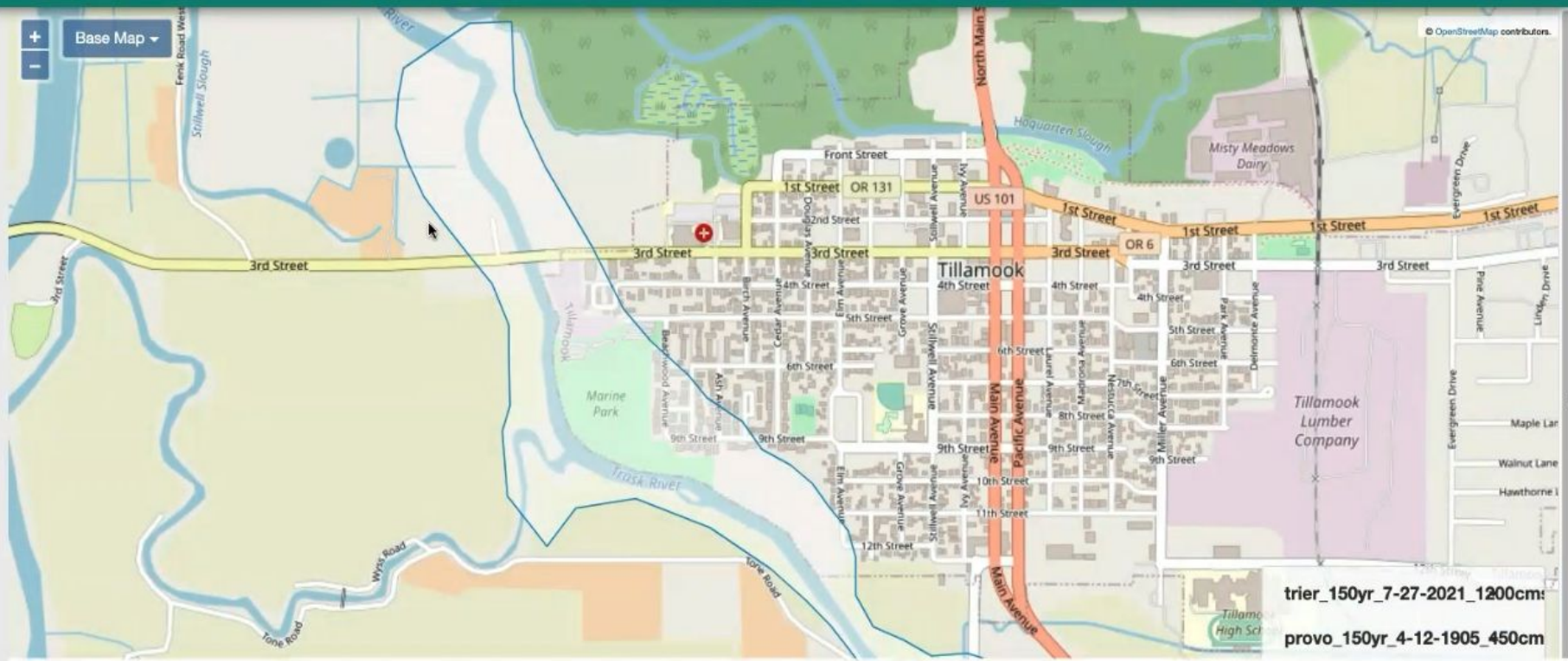
Country: United States

Province / State: Oregon

Region / City: Tillamook

Flood Map Type: Return Period

Return Period [yrs]: 50



Agriculture [Hect]	Population	Educational Fac.	Entertainment Fac.	Financial Fac.	Food Fac.	Health Care Fac.	Public Service Amen.	Transportation	Waste Management Amen	Other Fac.
50	450	0	0	0	1	2	0	2	3	1

Correlation

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Thank you!

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<https://www.geogloss.org/>



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