Rapid global hazard forecasting to support early action in data poor regions

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Early Warning Systems

Cost-effective

3.1 B$ pledged at COP27

“Early Warning for All”

Emergency action

Inform vulnerable populations

Mobilize emergency measures

Location, timing and impacts?

Advanced technologies are available

Make sure it works locally!

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HERE THINGS GO WRONG!

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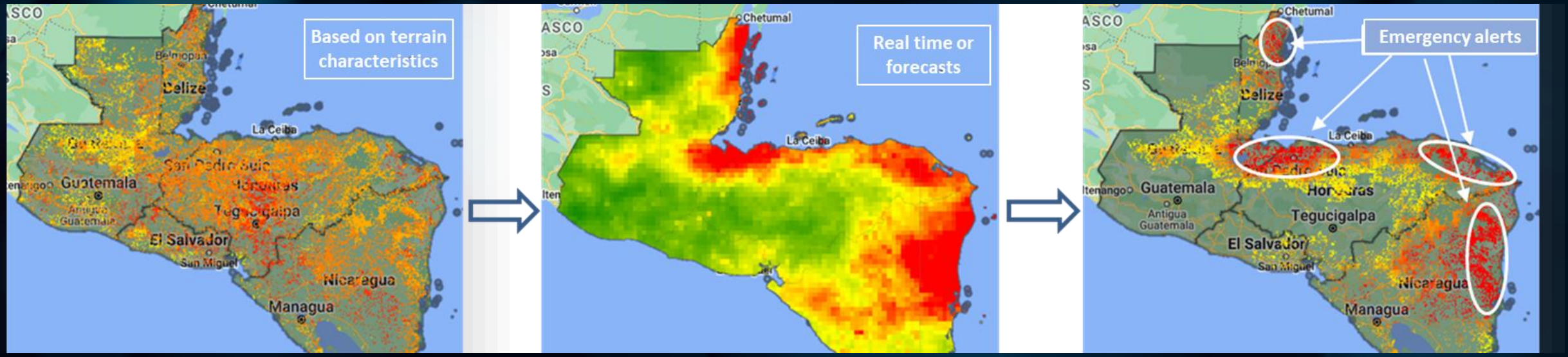
Rapid global hazard forecasting

Static hazard map

Hazard driver: precipitation

Dynamic hazard map: early warning



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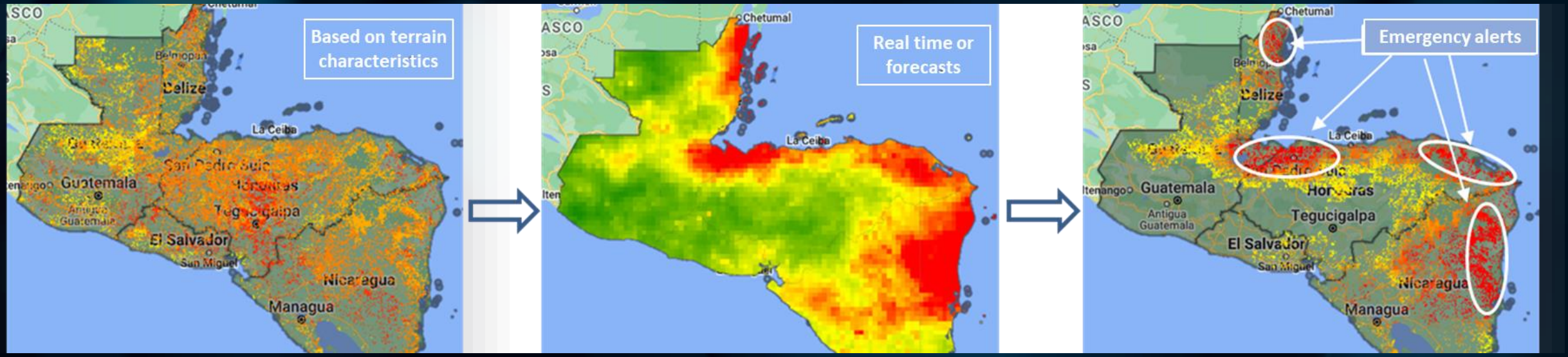

Data is available globally!

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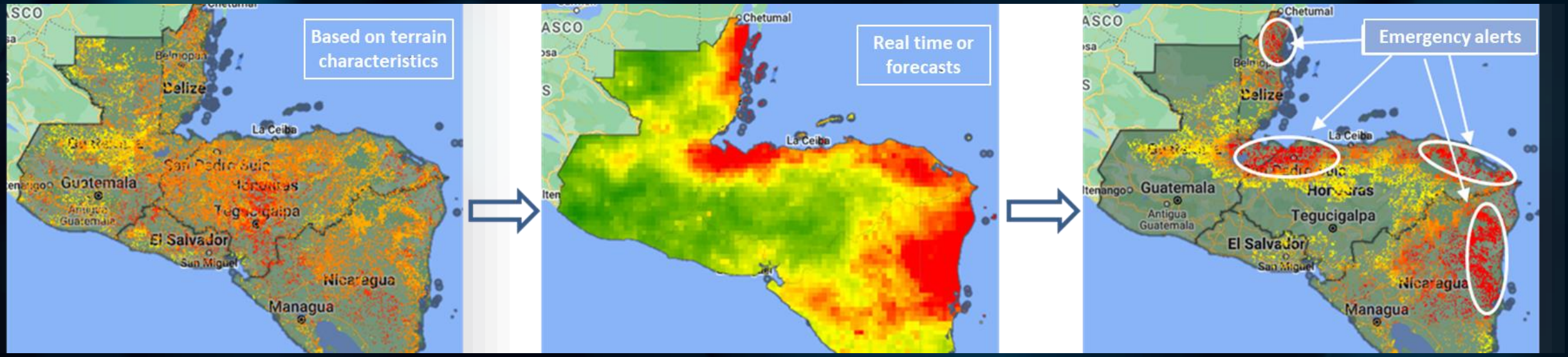

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Multiple hazards:
Floods – Droughts – Landslides - Forest fires

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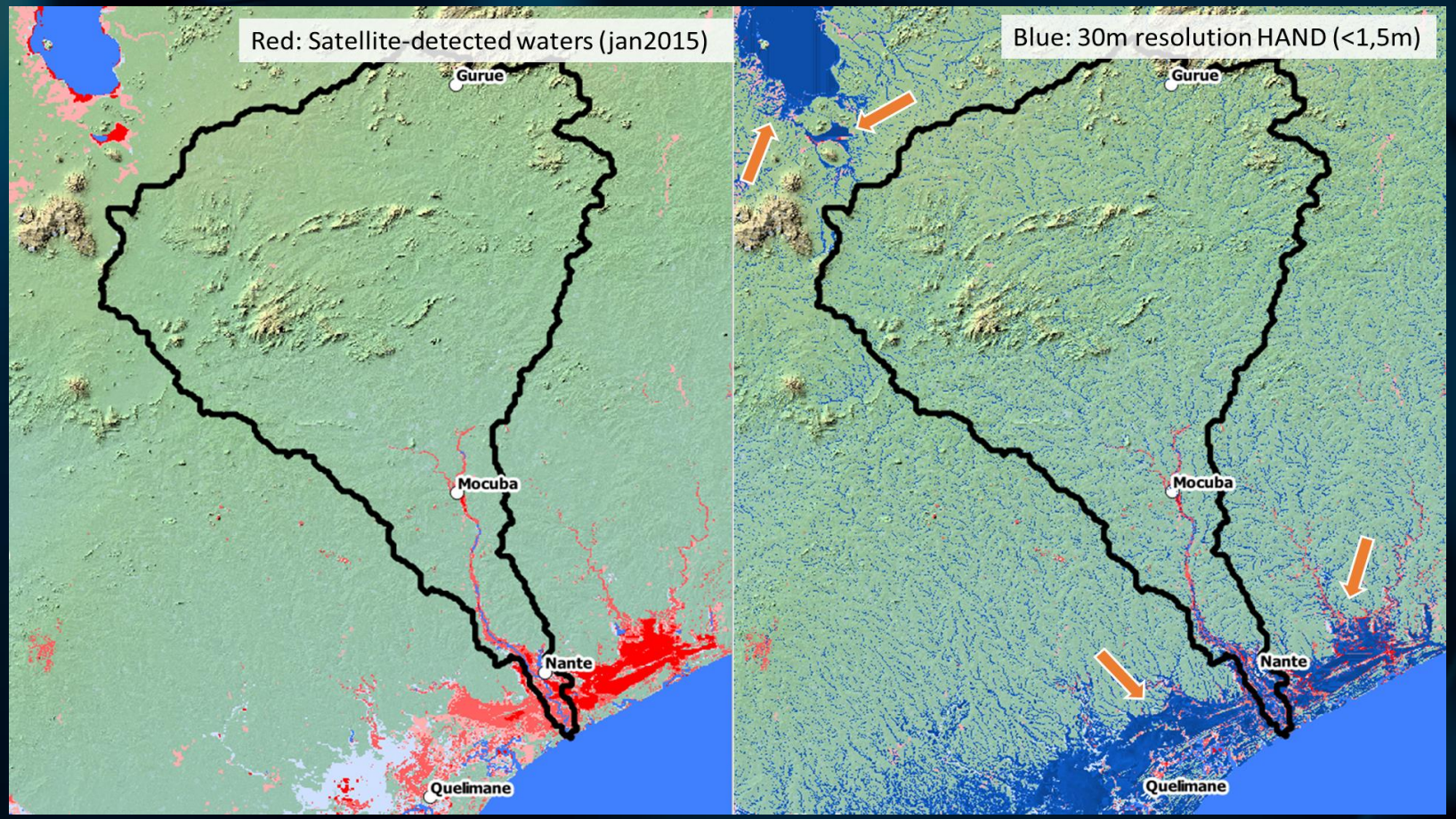
No artefacts from artificial boundaries



Licungo and Zambezi floods of 2015 (Mozambique)

Early action

https://tsmangrove.hkvservices.nl/4E-multi-hazard/

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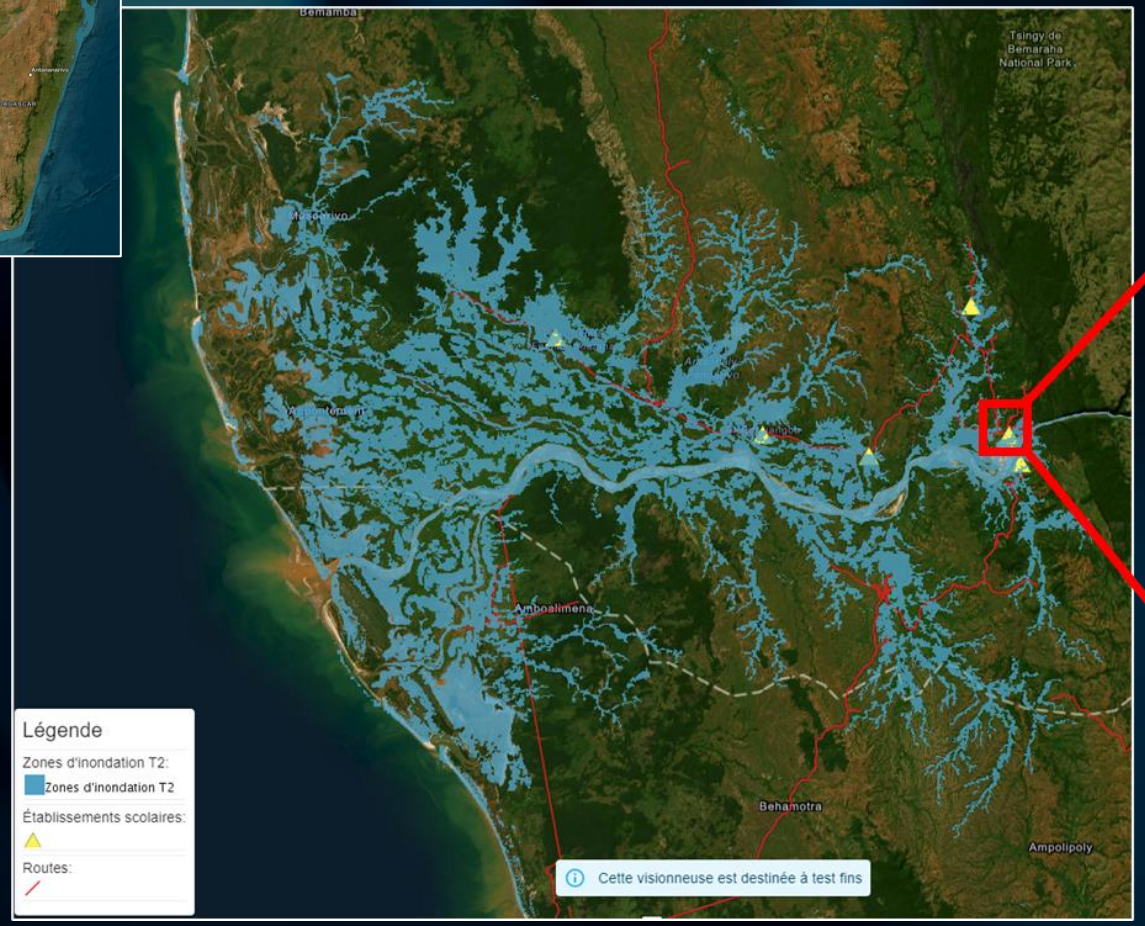
Early action



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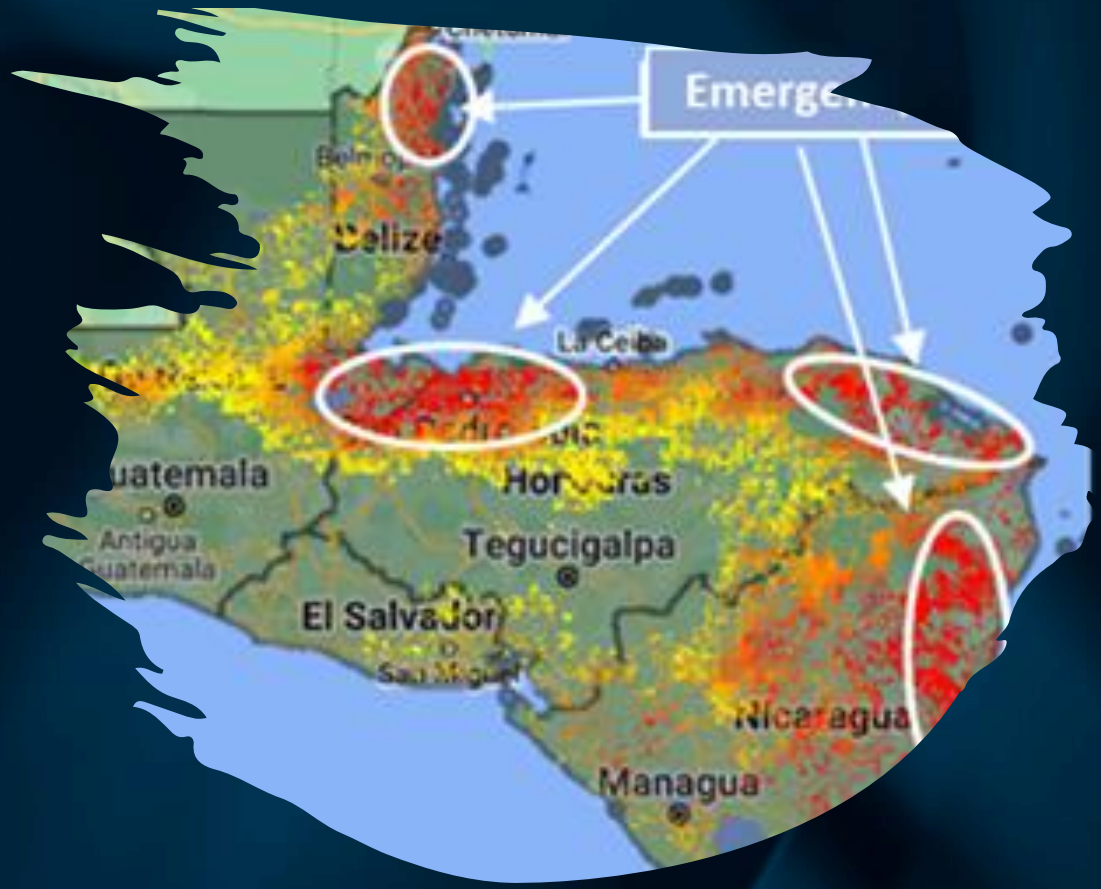
Test cases for Guatemala, Madagascar, Mozambique

Expand to global scale

Include impacted population and assets

This is possible for a fraction of the pledged 3.1B$



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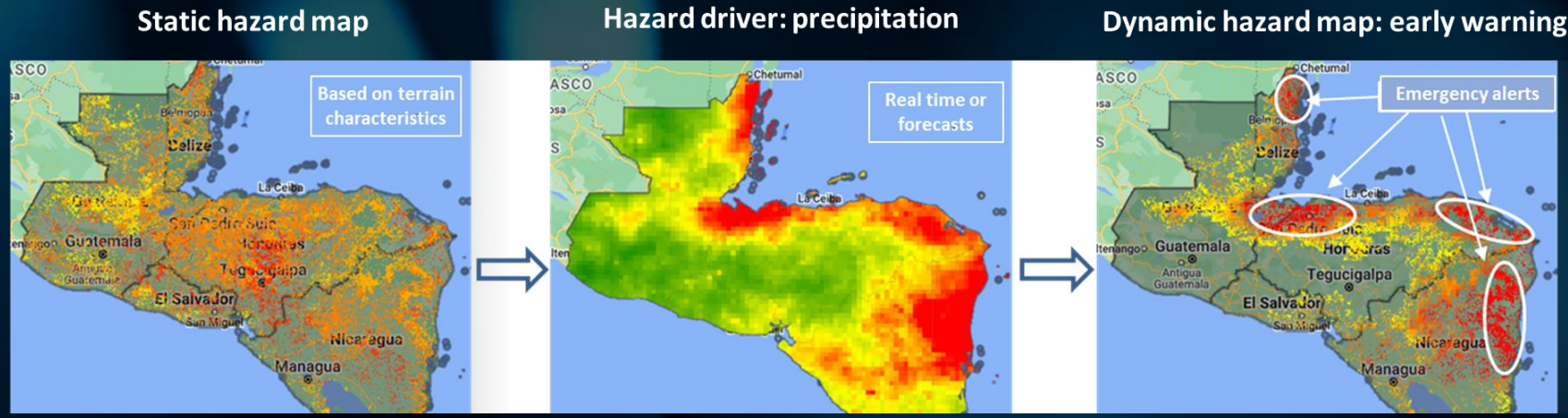

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