

# CLIMADA Platform

**Joint IDMP & FAO Virtual Exchange on  
Institutional Coordination for Drought Resilience**  
Tuesday, 14 April 2026, 13:00 – 14:30 CEST

David DAOU (PhD)

Team Lead

AI, Remote Sensing & Climate Risks Modelling

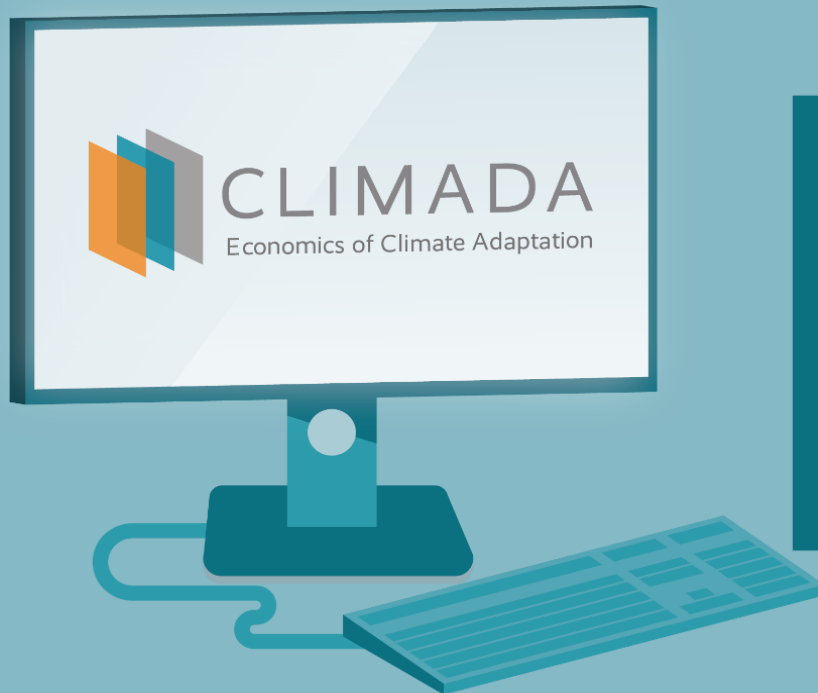
ECA offers a

# UNIQUE FRAMEWORK

for the flexible identification of cost-effective climate adaptation measures



Economics of  
Climate  
Adaptation



Powered by **CLIMADA**,  
the ECA framework links  
hazards, vulnerable assets  
and potential damages,  
quantifying them into  
monetary values.

# CLIMADA Applications

## ✓ Risk Assessment

Calculate probabilistic impacts from event sets, analyze return periods

## ✓ Climate Change Impact

Assess how climate scenarios affect future risks

## ✓ Adaptation Options Appraisal

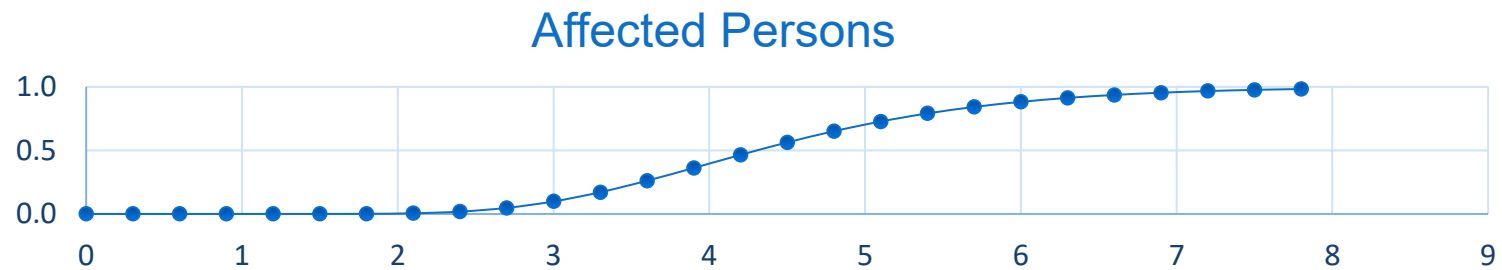
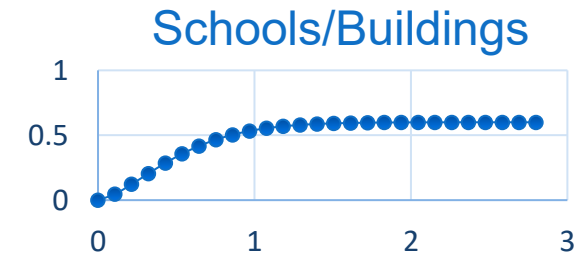
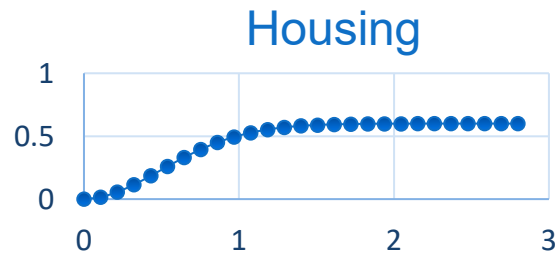
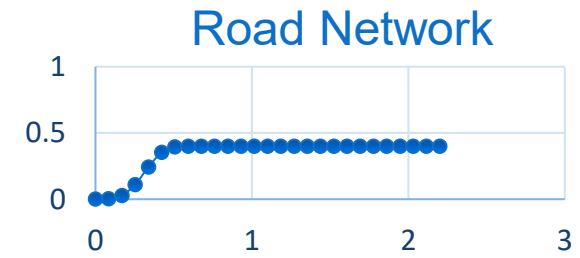
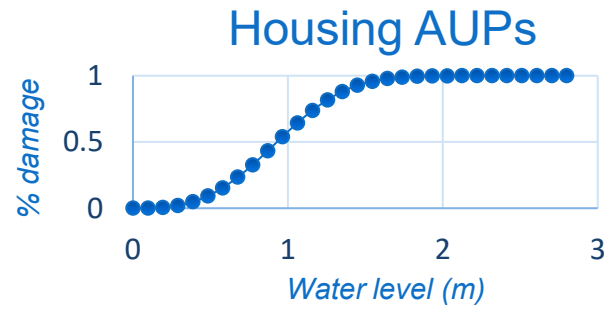
Compare benefits vs. costs of different adaptation measures

## ✓ Multi-hazard Analysis

Tropical cyclones, floods, heat waves, droughts, wildfires, etc.

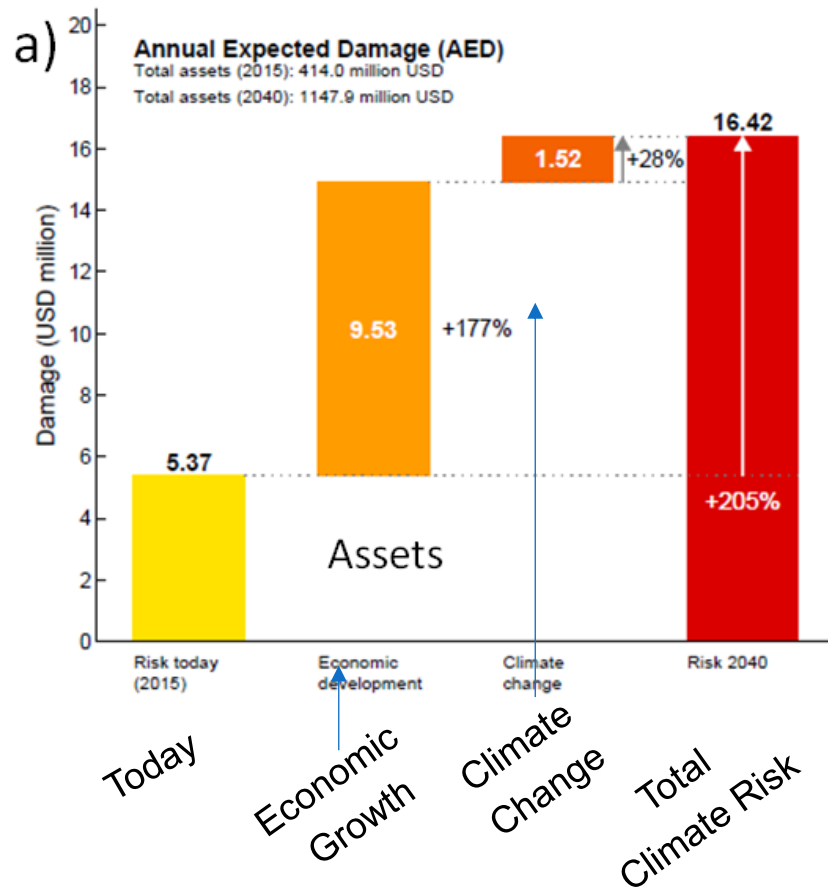
## ✓ Global to Local Scale

From city to continental scale with consistent methodology

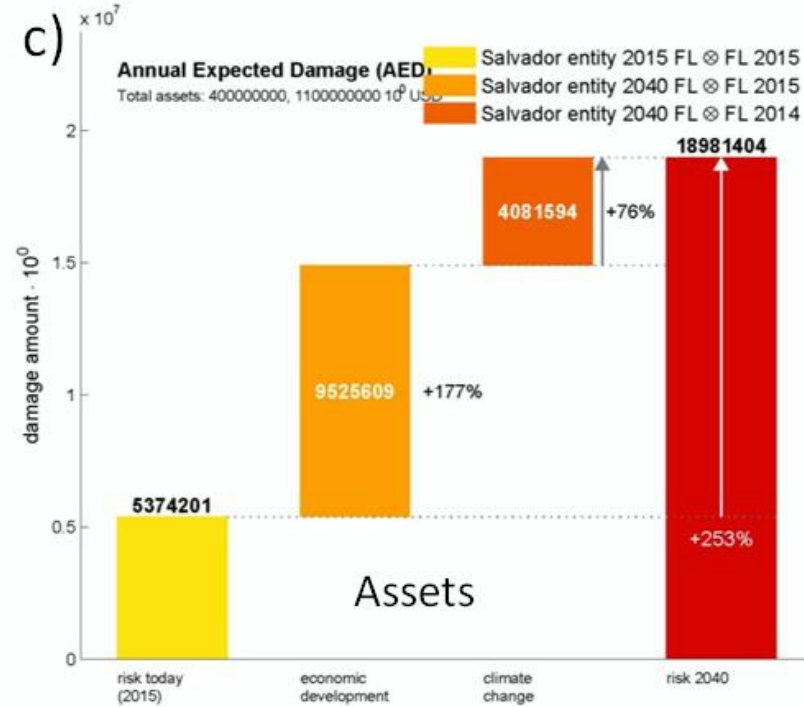


# Total Climate Risk

## Moderate Climate Scenario

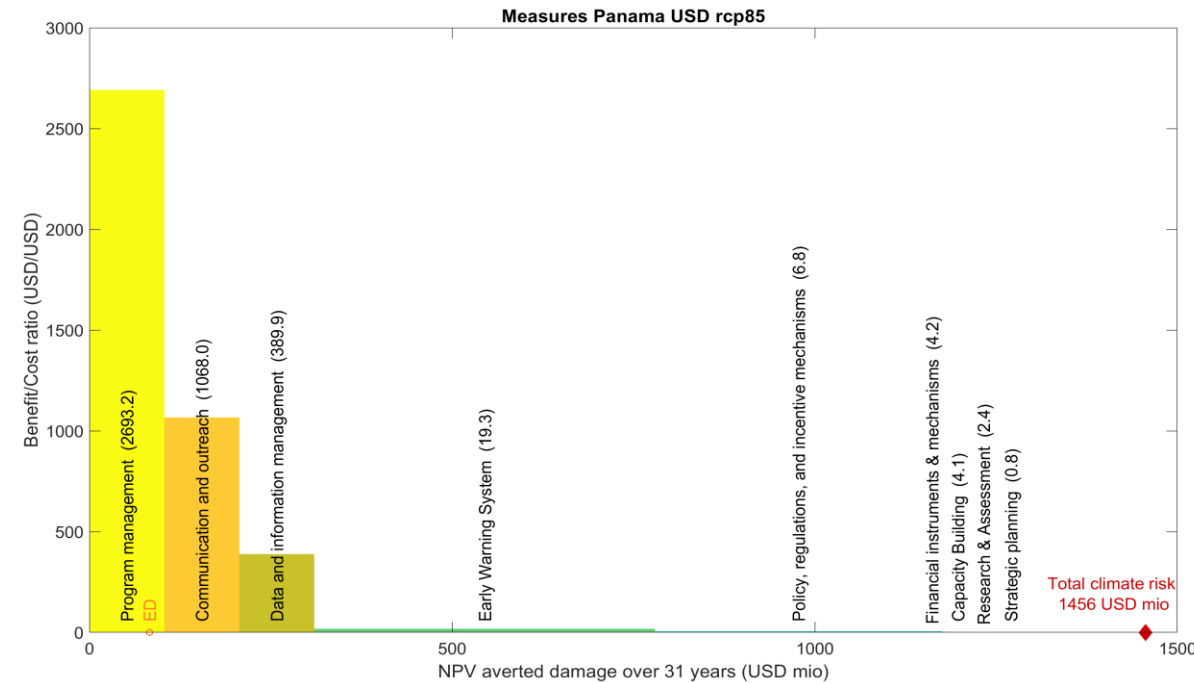
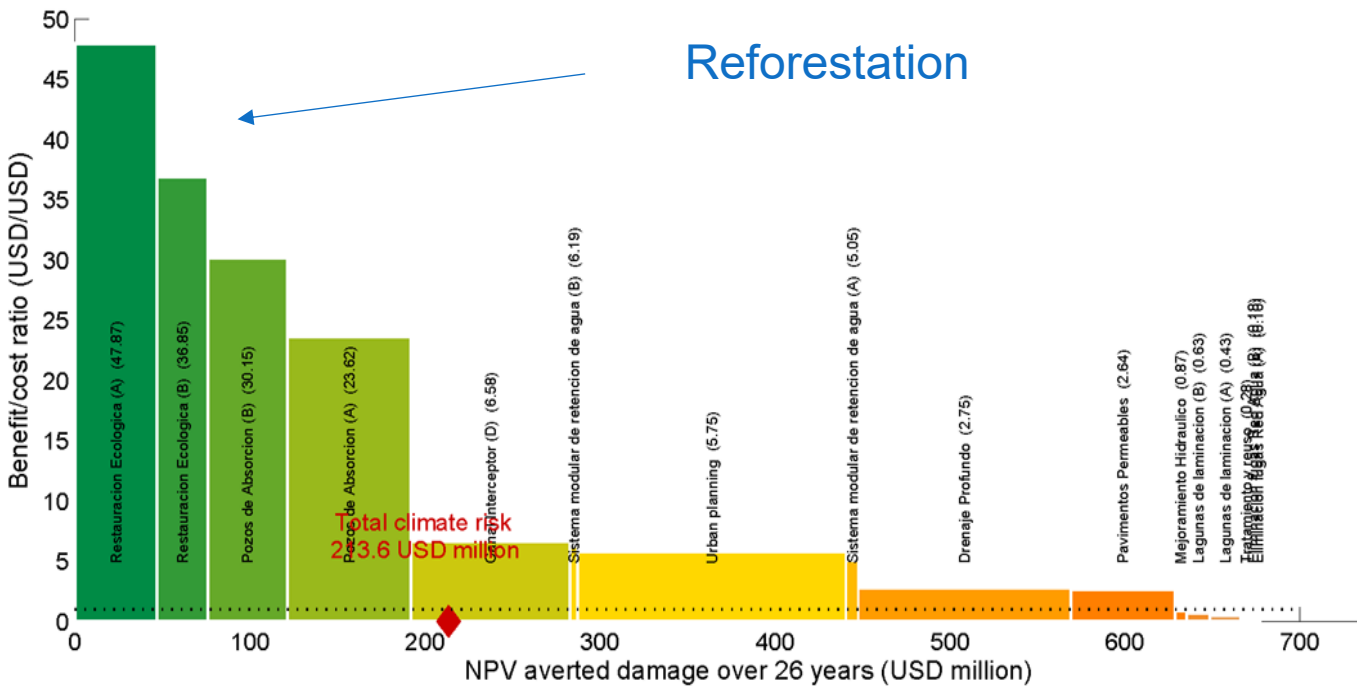


## Extreme Climate Scenario



# Cost Benefit Analysis

## Efficient adaptation measures for assets



# **CLIMADA Unsequa Module**

Uncertainty and Sensitivity Analysis for Probabilistic Climate Risk Modeling



A comprehensive framework for quantifying uncertainties in climate risk assessment

Arce-Mojica, Teresa de Jesus – (Mexico)

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Behre, Eike Christoph- (Germany)

Bonomo, David – (USA)

Mohammadianab, Negar – (Iran)

Peter, Magdalena – (Germany)

Widjaja, Christina Natalia- (Indonesia)

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Omowonuola Molayosi, Akintola – (Nigeria)

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Rojas Ferreira, Alvaro – (Colombia)

Souvignet, Maxime – (France & Germany)

Waldschmidt, Florian – (Germany)

Nguyen, Thanh-Loc – (Vietnam)

Nikolaus, Gernot – (Germany)

Fairless, Christopher – (United Kingdom)

Qazi, Saleh – (Pakistan)

**Daou, David – (Lebanon & Canada)**

**Dewi, Maria – (Indonesia)**

Never doubt that a small group of thoughtful committed citizens can change the World: Indeed it's the only thing that ever has.

• Thank You

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