

# Non-asset-based disaster loss models better support equitable planning outcomes.

## How non-asset-based disaster loss models better quantify risk:

A case study of coastal flooding in the Philippines

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Scan for abstract & virtual poster

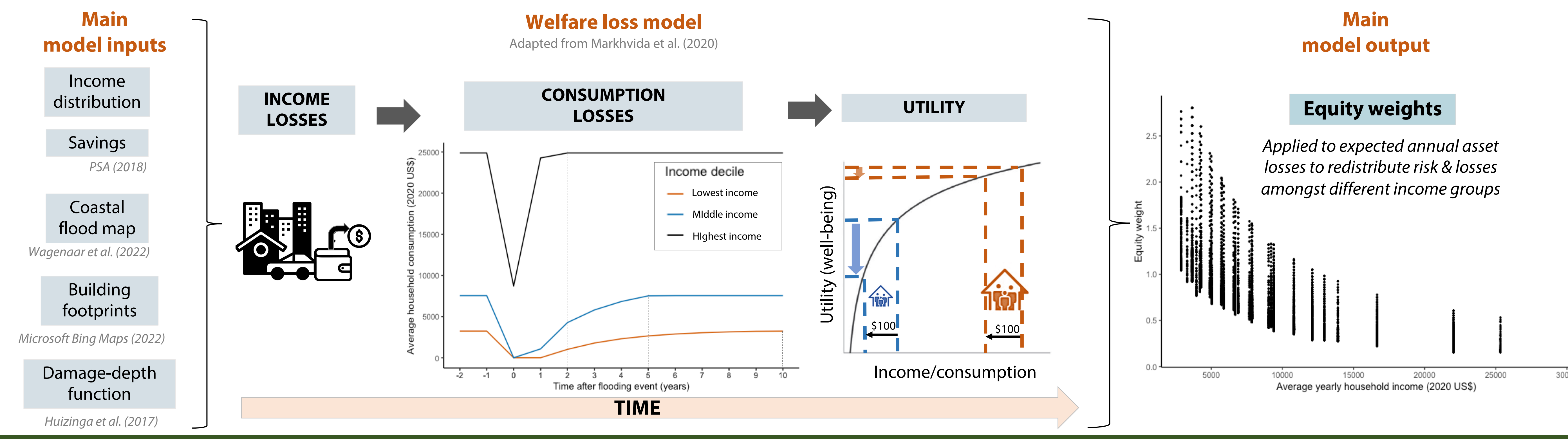
## 5 Broader implications & future work

- How we account for inequity in disaster risk assessments have long term consequences for vulnerable groups, especially in Southeast Asia where many countries experience high disaster risk and high levels of social inequities and inequalities.
- The unexpected negative relationship between equity weights and SoVIs provide an opportunity for future studies into the social axes by which coastal flood risk should be disaggregated (e.g. gender, age, disability, income, etc.)
- Need to better understand the sensitivity of the welfare loss model to various inputs
- To scale up analysis spatially and temporally to include future risk to sea level rise in the Philippines

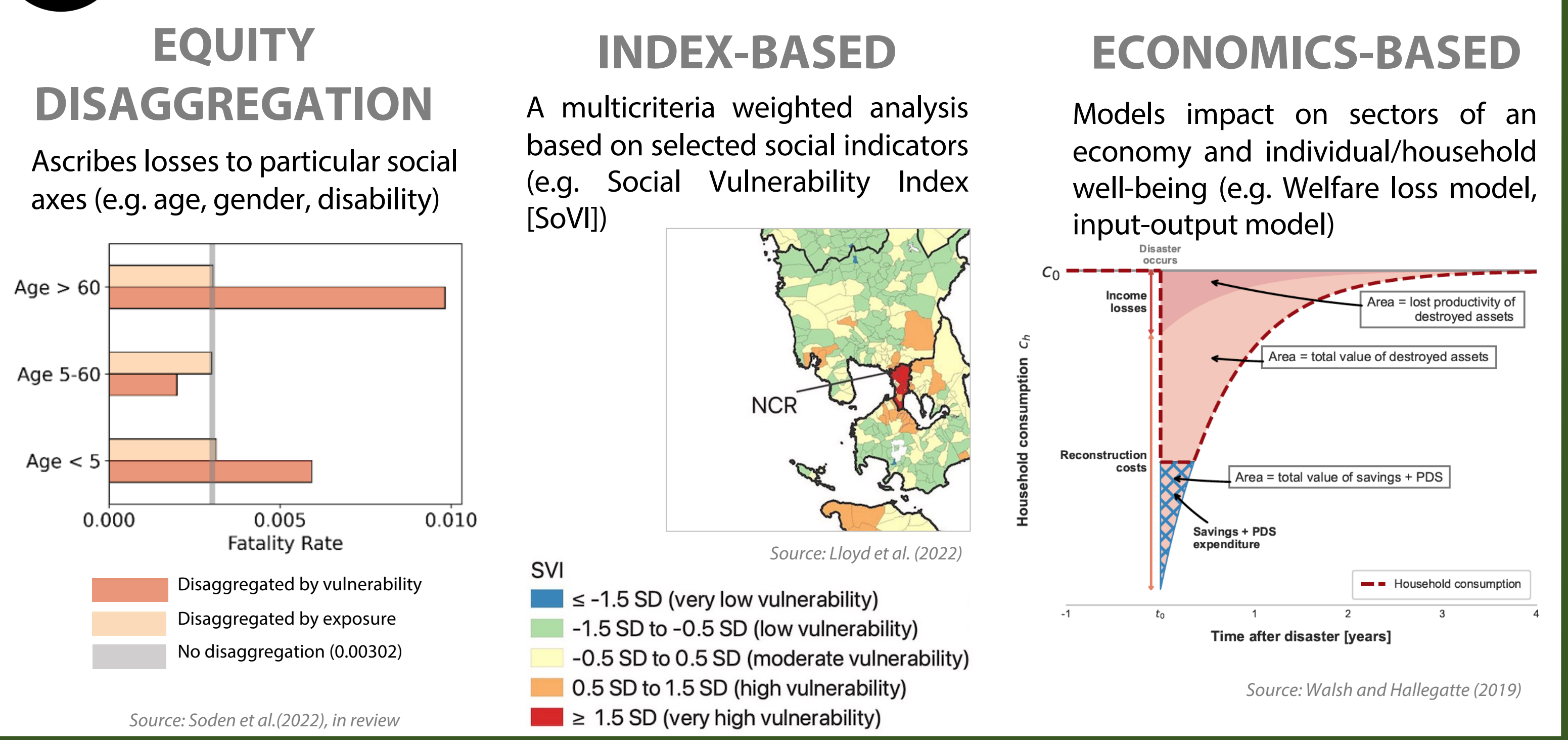
## 1 Background: Current disaster risk/loss metrics do not account for disparate impacts of disasters on people.



## 3 The welfare loss approach models how a disaster impacts household consumption & well-being over time.



## 2 Metrics matter! Types of non-asset-based models



## 4 Results: Comparing asset and non-asset losses for coastal flood losses around Manila Bay, Philippines

