

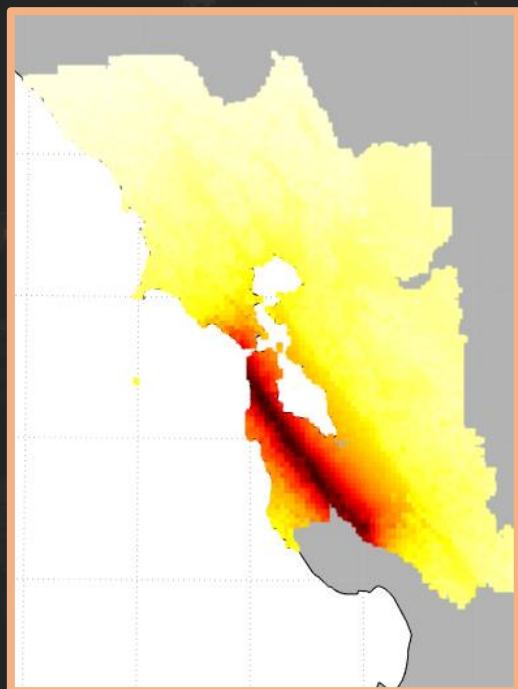
A nighttime aerial photograph of a city, likely Sofia, Bulgaria. The central focus is the Alexander Nevsky Cathedral, a large, ornate building with multiple domes and arches, brightly illuminated with warm yellow lights. The surrounding city is densely packed with buildings, many of which have their windows lit up, creating a pattern of small lights across the urban landscape. In the far distance, a range of mountains is visible under a dark sky, with some peaks also showing lights. The overall atmosphere is quiet yet vibrant due to the city lights.

# Advancing the State of Open Data and its use for DRM in the Balkan

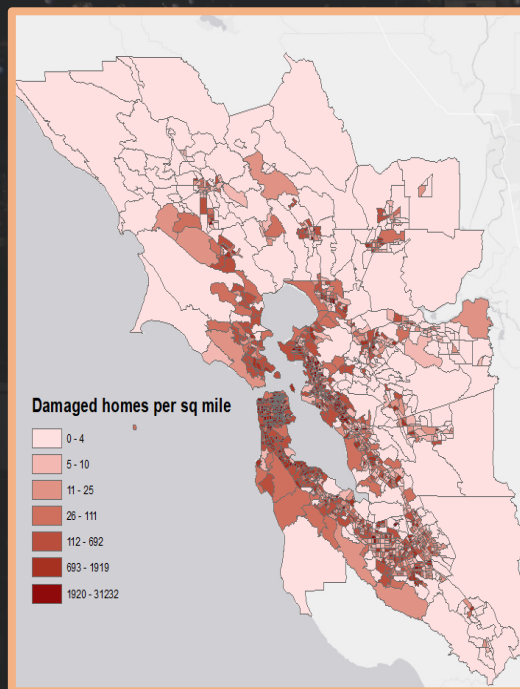
Photo by Alexandr Bormotin on Unsplash



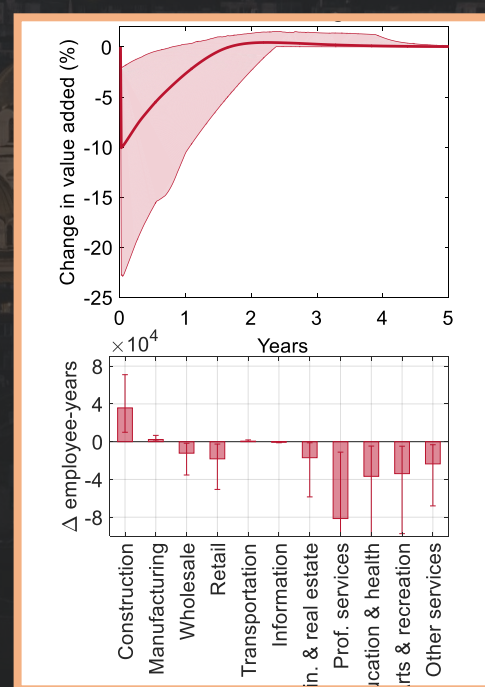
## Earthquake simulation



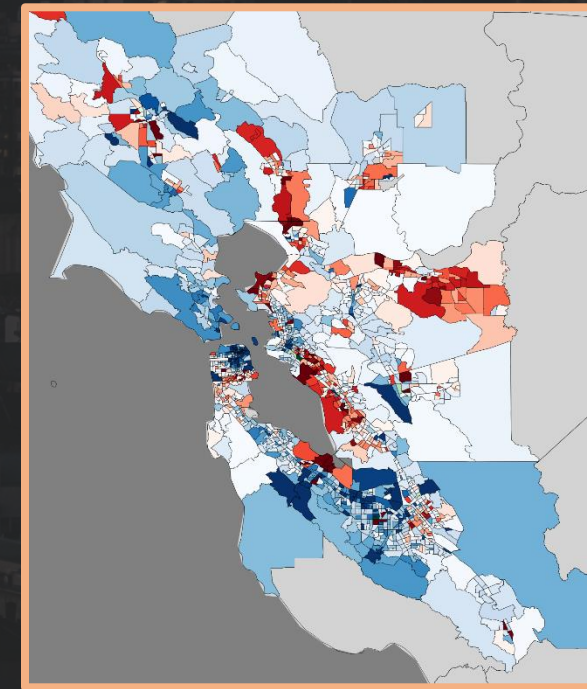
## Physical assets damage



## Industry recovery & unemployment



## Household well-being & consumption losses



# Input Data

## Seismological data

1. Earthquake rupture forecast
2. Soil conditions

## Infrastructure data

3. Residential building number
4. Industrial building number
5. Construction costs

## Macroeconomic data

6. Productive capital per economic sector
7. Regional output per sector
8. Regional exports and imports
9. Regional industry multipliers

## Sector employment data

10. Average income per sector
11. Number of employees per sector

12. Population

13. # of households

14. Poverty fractions

## Household survey data

15. Income per household

16. Savings per household

17. Public assistance per households

## Real estate data

18. Fraction of renters

19. Housing market values

20. Rent multiplier

21. Insurance penetration

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An aerial night photograph of a city, likely St. Petersburg, Russia, featuring the prominent St. Isaac's Cathedral in the center. The city is densely packed with buildings, and the lights from the streets and buildings create a warm, golden glow against the dark night sky. The cathedral's large dome and ornate architecture are clearly visible.

Where do I get all of this data?



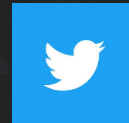
# Session Objectives

What is open data?

Why is open data important for disaster risk management?

Why we should all be advocates for open data?

How can we better collaborate in the Balkans on this?



#urbalkans



An aerial night photograph of a city, likely Sofia, Bulgaria. The central focus is the Alexander Nevsky Cathedral, a large, ornate domed structure with multiple golden domes and arches, brightly illuminated against the dark night sky. The city's dense urban landscape is visible, with numerous buildings and streets lit up by city lights. In the background, a range of mountains is silhouetted against the dark sky, with some peaks showing faint lights. The overall atmosphere is a mix of historical grandeur and modern urban life.

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Photo by Alexandr Bormotin on Unsplash