



# Infrastructure Exposure • Extreme Weather Events & Climate Change • SF Bay • Napoli

• J.Radke • G.Biging • K.Roberts • M.Schmidt-Poolman • H.Foster • E.Roe • T.Beach • Y.Ju • L.Maier • Y.He • S.Lindbergh • P.Norton • M.Ashenfarb • S.Yi • R.Rau • A.Gohar • M.Wray • M.Coufal • S.Marx • D.Moanga • V.Ulyashin • A.Airhuelli • D.Radke • J.Collins • A.Dalal •

Presented by: J.Radke University of California, Berkeley • C.Donadio, University of Naples Federico II



## Data

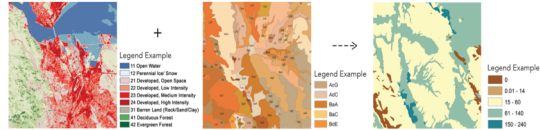
### 1. Topography



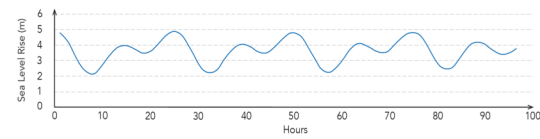
### 2. Surface Roughness (Manning's Coefficient)



### 3. Infiltration Rate

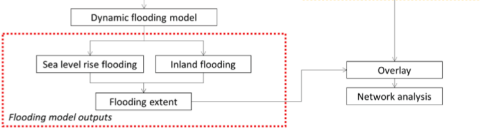
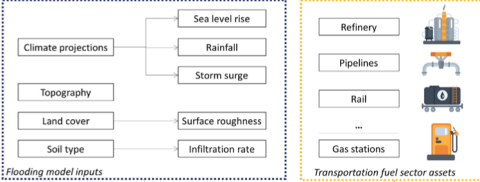


### 4. Extreme Events

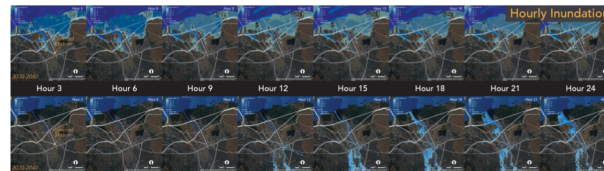
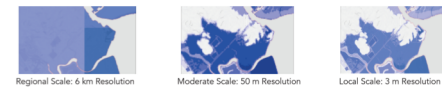


## Methods

### Modeling Workflow



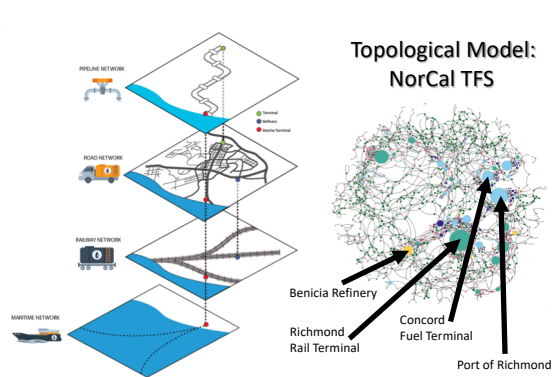
### Spatial and Temporal Scale



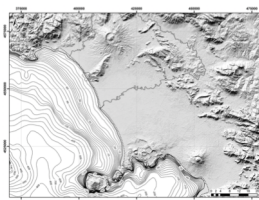
## Flood Model Schematics



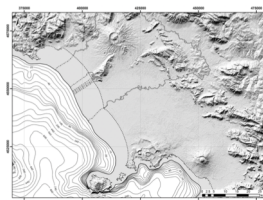
## Transportation Fuel Sector



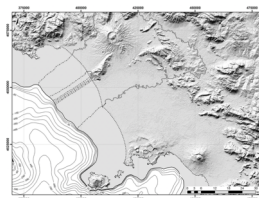
### Present day



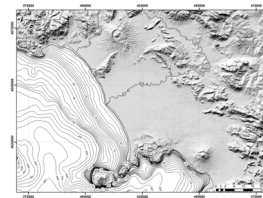
### 40,000 years before present



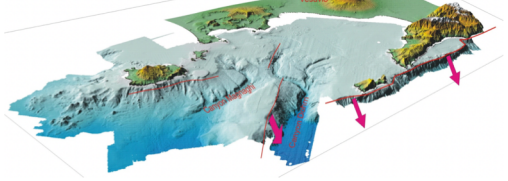
### 20,000 years before present



### 2,300 years before present



## Morphology



N  
A  
P  
O  
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I