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# SPLASH Oasis approach for modeling of intense rain

**Daniel Knös** Stockholm



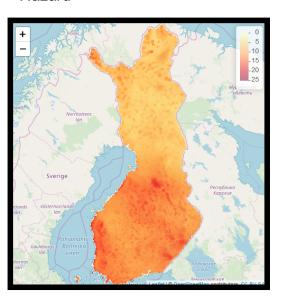
## Agenda Secondary Information

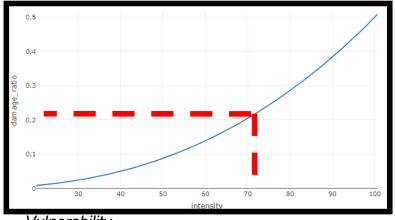
- Introduction to Cat Modeling & Oasis
- Application in Splash project
- Challenges and uncertainties

#### Why cat modeling?

- Gives information beyond the experience
- Helps insurance companies in their risk management
  - Reinsurance
  - Portfolio steering
  - Event response
- Components in a cat model
  - Hazard
  - Vulnerability
  - (Financial)

#### Hazard





#### Why Oasis?



- Stick to one data format
- Open source
  - Free
  - Publicly available
  - Standard format
- Fast

(SEE: A/C CHARGERS, CHARACTER ENCODINGS, INSTANT MESSAGING, ETC.) 500N: 14?! RIDICULOUS! WE NEED TO DEVELOP ONE UNIVERSAL STANDARD SITUATION: SITUATION: THAT COVERS EVERYONE'S THERE ARE THERE ARE USE CASES. YEAH! 14 COMPETING 15 COMPETING STANDARDS. STANDARDS.

HOW STANDARDS PROLIFERATE:



Oasis members

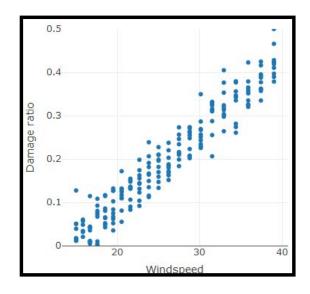
#### Application in Splash

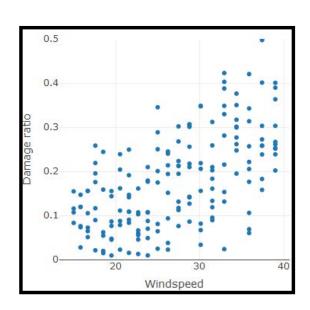
- Modelling losses from intense rainfall over Jönköping
- The splash model is a small cat model
  - A few events
  - 50x50m (140.000 cells)
  - 57.000 buildings
  - 1 vulnerability curve



#### Challenges / Uncertainties

- Hazard
  - The most scientific part, thus fairly open and documented
- Vulnerability
  - Data, data, data





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### Questions?

