

Bouwinvest

Climate change is for real (estate)

Southern California Association of Governments (SCAG)

Robert Mens
Rutger de Koning

17 October 2022



Introducing speakers



Rutger de Koning
Product Owner GIS



Robert Mens
Geographical Information Analyst

Agenda

Sluishuis, Amsterdam

- Introduction
- Bouwinvest & GIS: Climate risks
- Summary
- Questions

SCAG October 2022

3

Real Value for Life

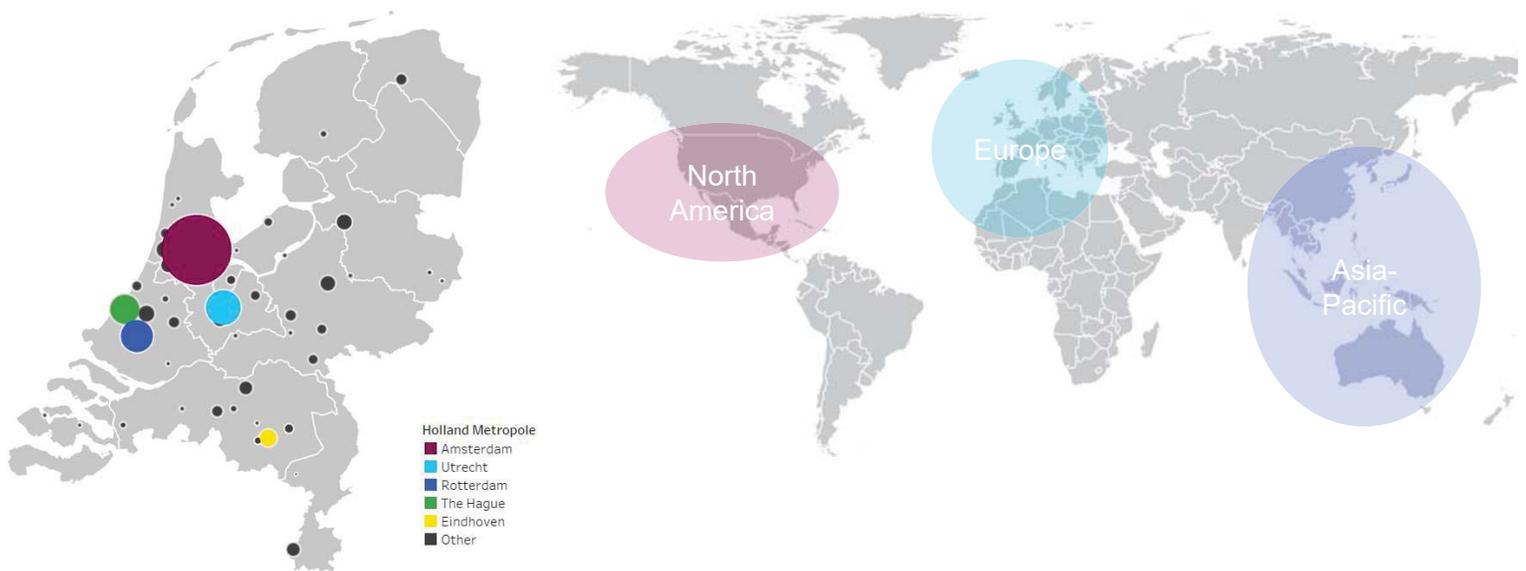
SCAG October 2022

4



Introducing Bouwinvest Real Estate Investors

Investments in NL and world wide



Introducing Bouwinvest Real Estate Investors

Real Value for Life

Social Responsibility

Metropolitan regions



Affordable homes



Senior housing



Sustainability

Climate adaptation



Circularity



Paris Proof

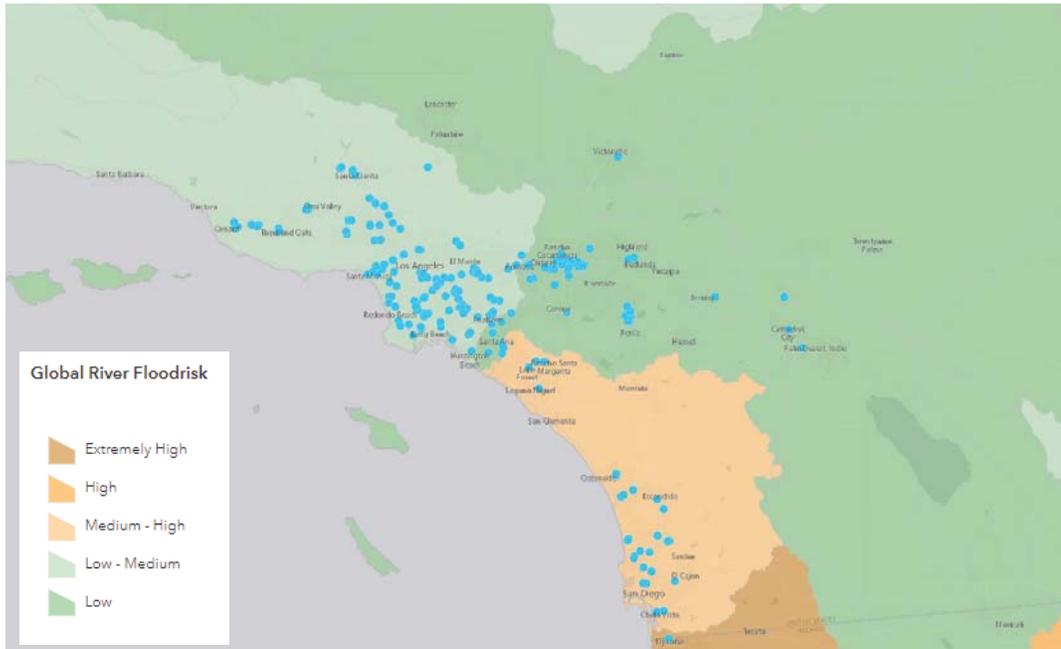


Climate risks & adaptation



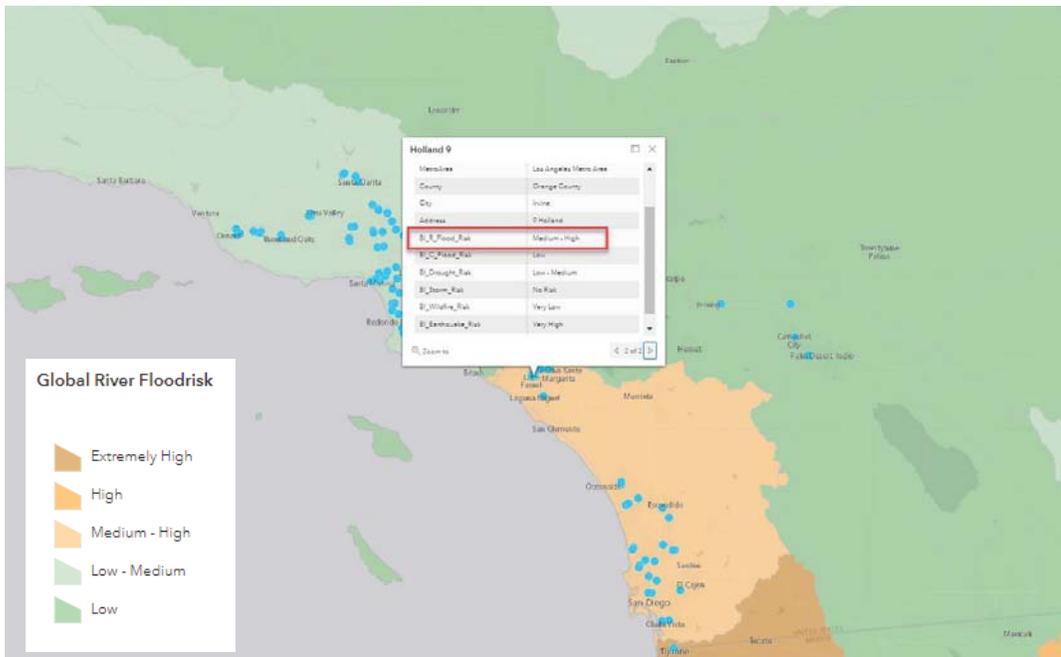
Climate scan International

Step 2: Global climate risk data, e.g. river flood risk



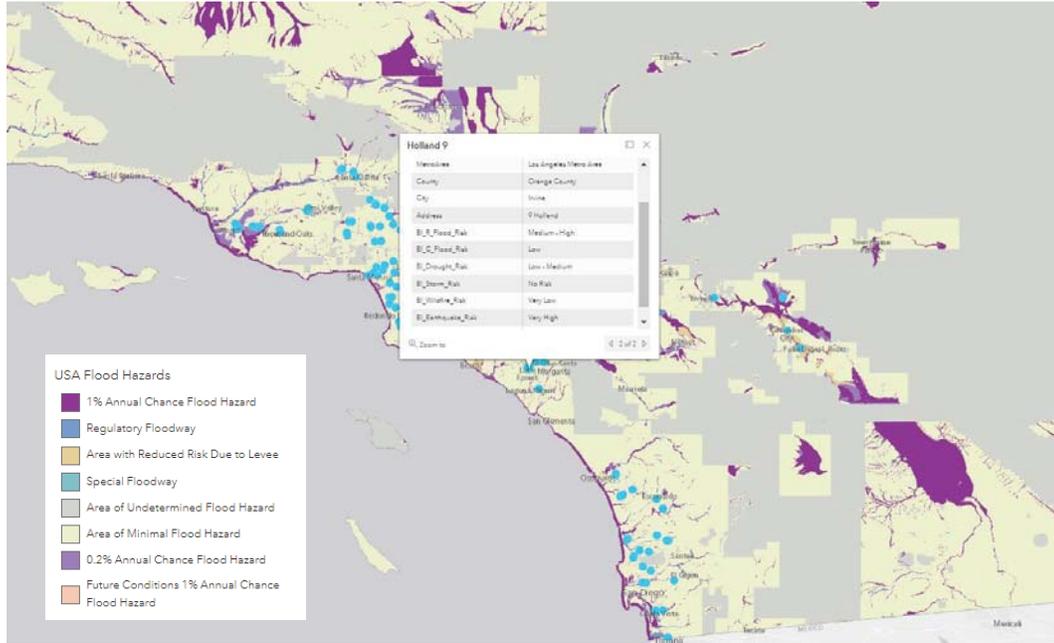
Climate scan International

Step 3: comprehensive overview of climate risks per asset



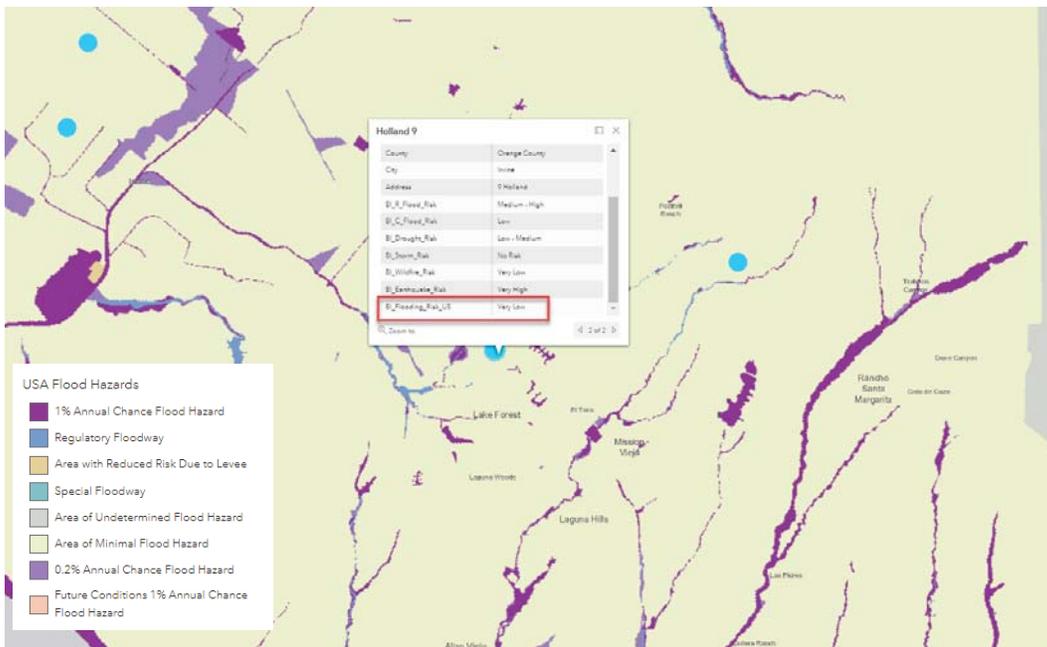
Climate scan International

Step 4: more detailed local data, e.g. FEMA Flood Hazards



Climate scan International

Step 5: refined risk assessment: Global risk Medium-High, FEMA Flood Hazard Very Low

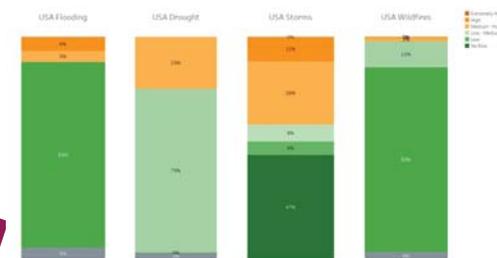


Climate scan International

Practical applications



Overall portfolio assessment:
Value at risk



Investment proposal



SCAG October 2022

17

Bouwinvest policy related to climate risks

1. Climate risk integral part of risk management process
2. No end station, but start of a dialogue
 - International investments
 - Bouwinvest as investor with fund managers
 - Dutch investments
 - Bouwinvest as fund manager with stakeholders: government agencies (municipalities, water authorities, counties, states, ...), other owners, ...
 - Gross to net risk: mitigating measures on all levels: building, street, neighbourhood, city, county, ...
 - Active role in standard climate risk assessment methodology, through Dutch Green Building Council (DGBC)

Questions?

Pontsteiger, Amsterdam

r.mens@bouwinvest.nl

r.dekoning@bouwinvest.nl

SCAG October 2022 19

Disclaimer

This presentation and its content, including all data contained therein, (together the "**Content**") is exclusively provided as general information only. No rights whatsoever can be derived from the Content. Bouwinvest is not liable for any damages which may arise as a result of the use of the Content or as a result of any incorrectness or incompleteness of the Content. The Content is by no means to be interpreted as being complete. The Content is qualified in its entirety by the terms of the Information Memorandum and other Fund Documentation as described therein, which are or will be made available upon request. This presentation does not constitute a sale, an offer to sell or a solicitation of an offer to buy any interests in a fund. Bouwinvest has received a license from the Netherlands Authority for the Financial Markets ("**AFM**") within the meaning of Article 2:65 FSA and acts under the supervision of the AFM. All copyrights, patents, intellectual and other property, and licenses regarding the Content are held and obtained by Bouwinvest and remain the exclusive property of Bouwinvest. These rights will not be passed to persons accessing the Content. No part of the Content may be reproduced, distributed, stored in a retrieval system and / or published by print, photocopy, microfilm, downloaded to other websites, databases or by any other means, without the prior written consent of Bouwinvest.