

Predictors of flood-risk perception

Knowledge about water
in the surroundings

Knowledge about water
in the Netherlands

Concern and fear

Trust in water safety

Risicobewustzijn
t.a.v. de
eigen omgeving

Risk-perception model based on
-dual process theory (Loewenstein; Slovic)
-protective action decision model (Lindell&Perry)
-risk-perception model (Renn&Rohrmann)

Predictors of flood-risk perception

Kennis water
eigen omgeving

Kennis water
Nederland

Bezorgdheid en
angstgevoelens

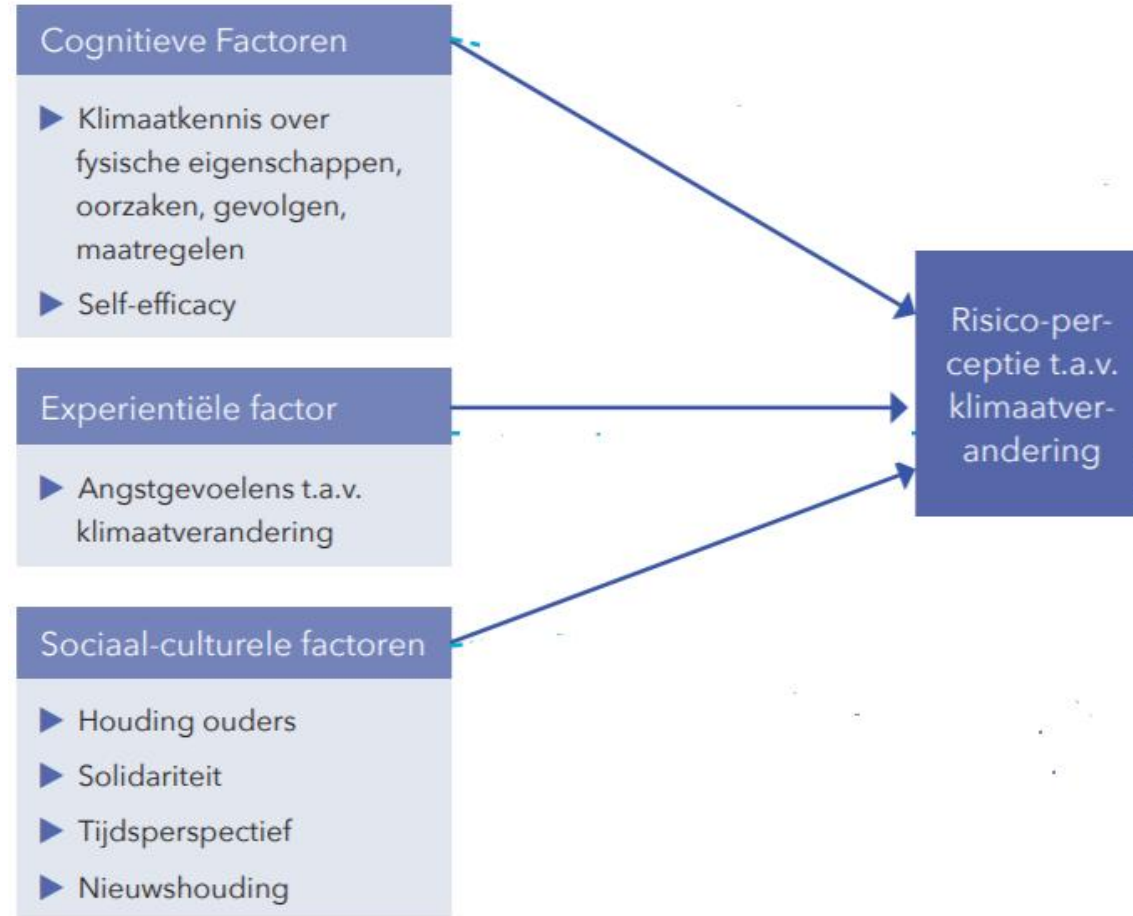
Vertrouwen in
waterbeheer

Risicobewustzijn
t.a.v. de
eigen omgeving

Risk-perception model based on
-dual process theory (Loewenstein; Slovic)
-protective action decision model (Lindell&Perry)
-risk-perception model (Renn&Rohrmann)



Predictors of climate-change-risk perception



Climate change risk-perception model (CCRPM),
Van der Linden, 2015

Predictors of climate-change-risk perception

kennis fysische eigenschappen

kennis oorzaken

kennis gevolgen

kennis/nut maatregelen

Vertrouwen in eigen bijdrage

angstgevoelens KV

houding ouders

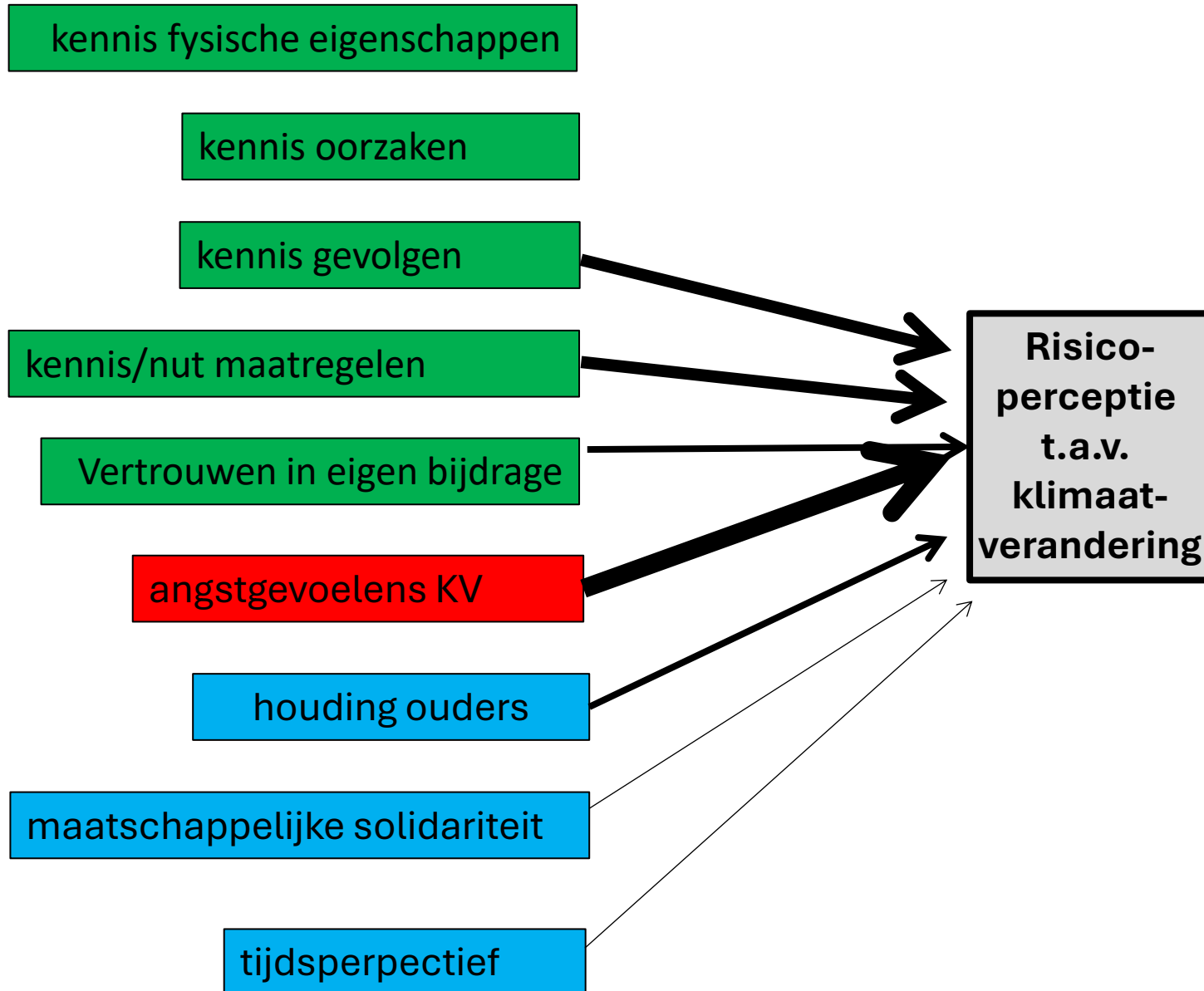
maatschappelijke solidariteit

tijdspectief

Risico-
perceptie
t.a.v.
klimaat-
verandering

Climate change
risk-perception
model (CCRPM),
Van der Linden, 2015

Predictors of climate-change-risk perception



Climate change
risk-perception
model (CCRPM),
Van der Linden, 2015

How do 15-year students in the Netherlands perceive...?

Survey-research

- Psychological distance

Advantage

Disadvantages

- Predictors of flood-risk perception

- Predictors of climate-change
risk perception

Interviews

- Salience

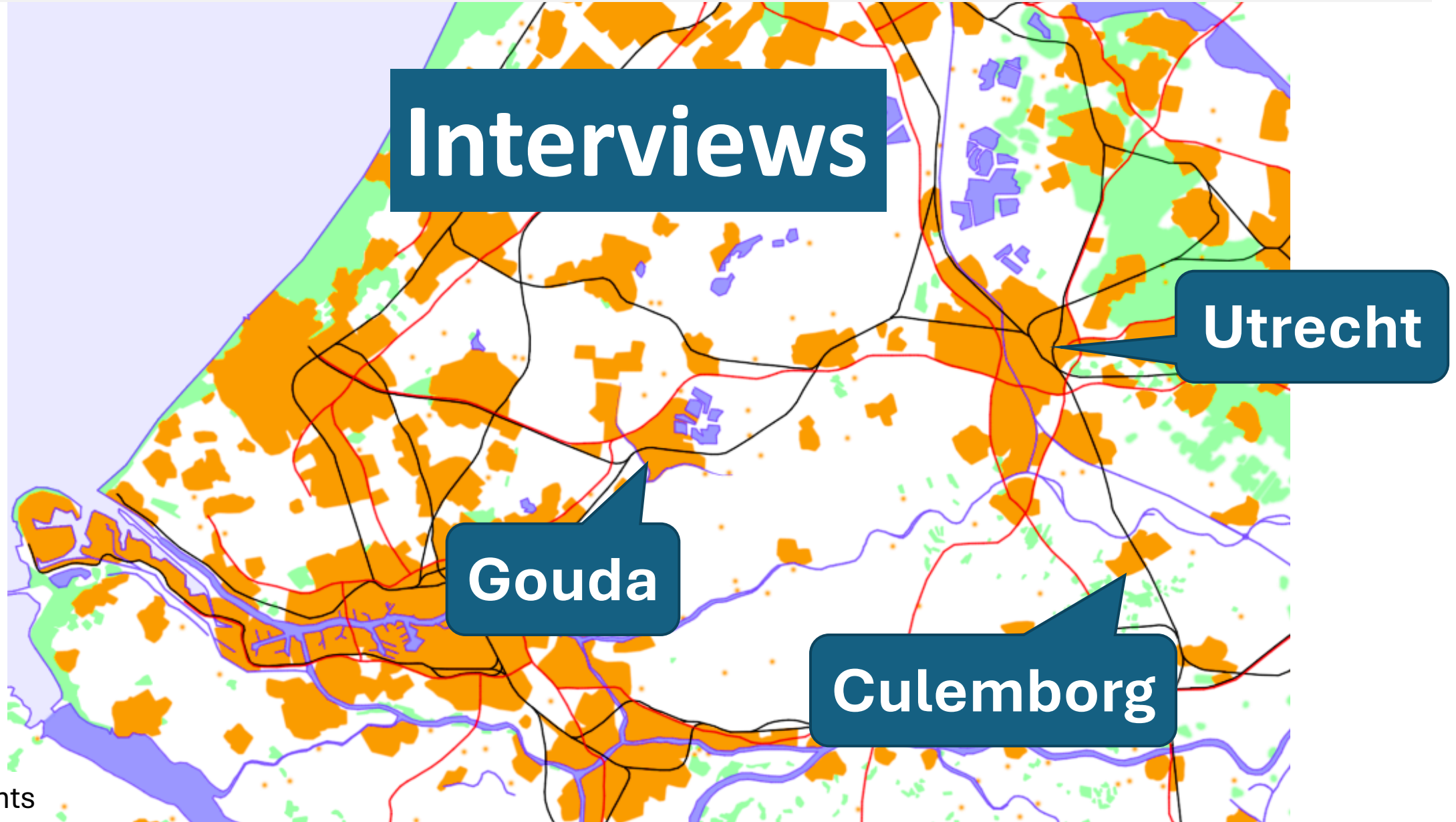
- Mental models

- Reasoning

Advantages

Disadvantages

Flood-risk perception among 15 year old student in the Netherlands

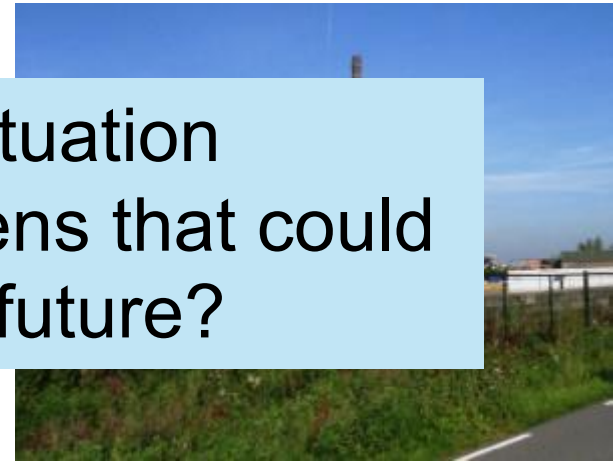
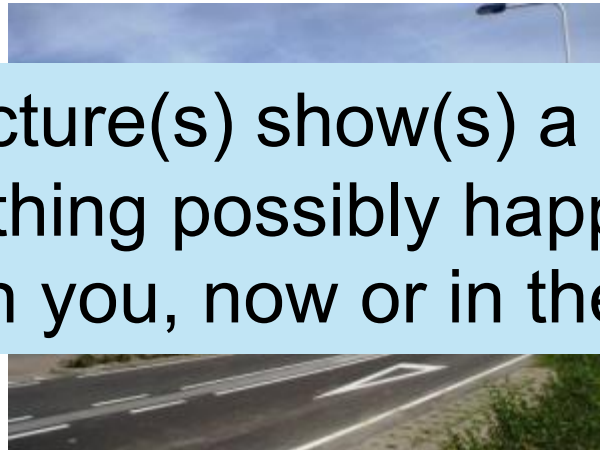
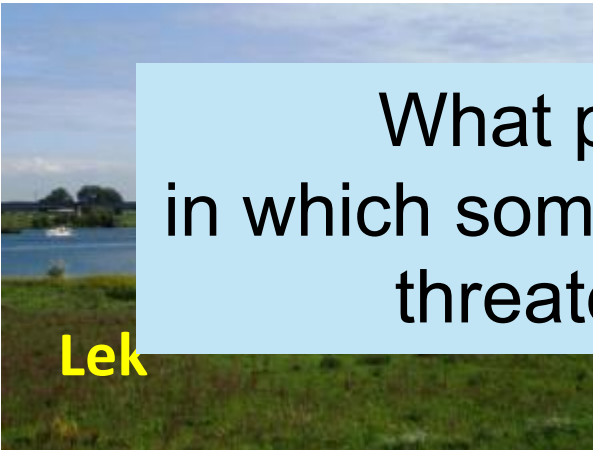


2x 24 students

Salience Culemborg

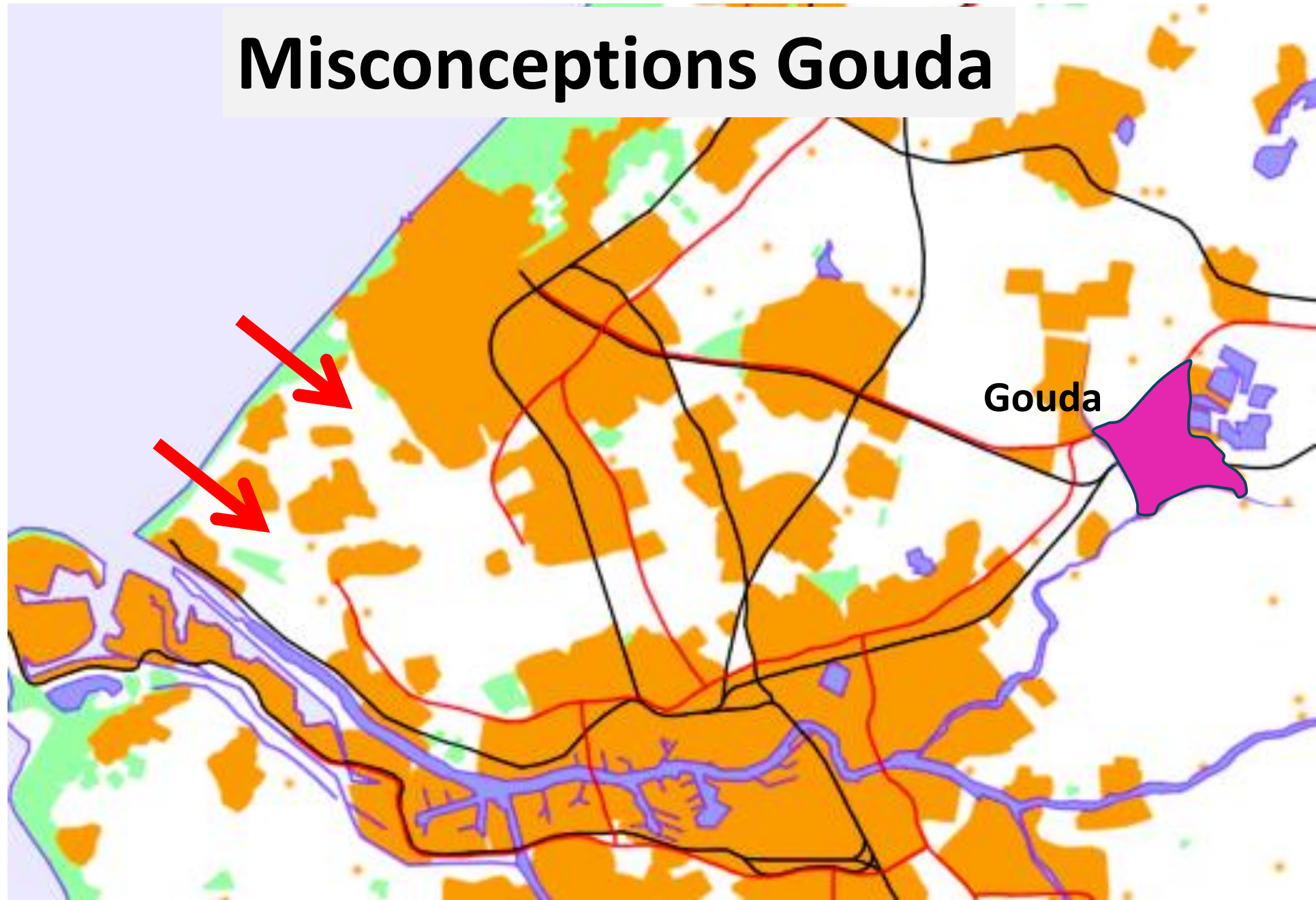


What picture(s) show(s) a situation in which something possibly happens that could threaten you, now or in the future?



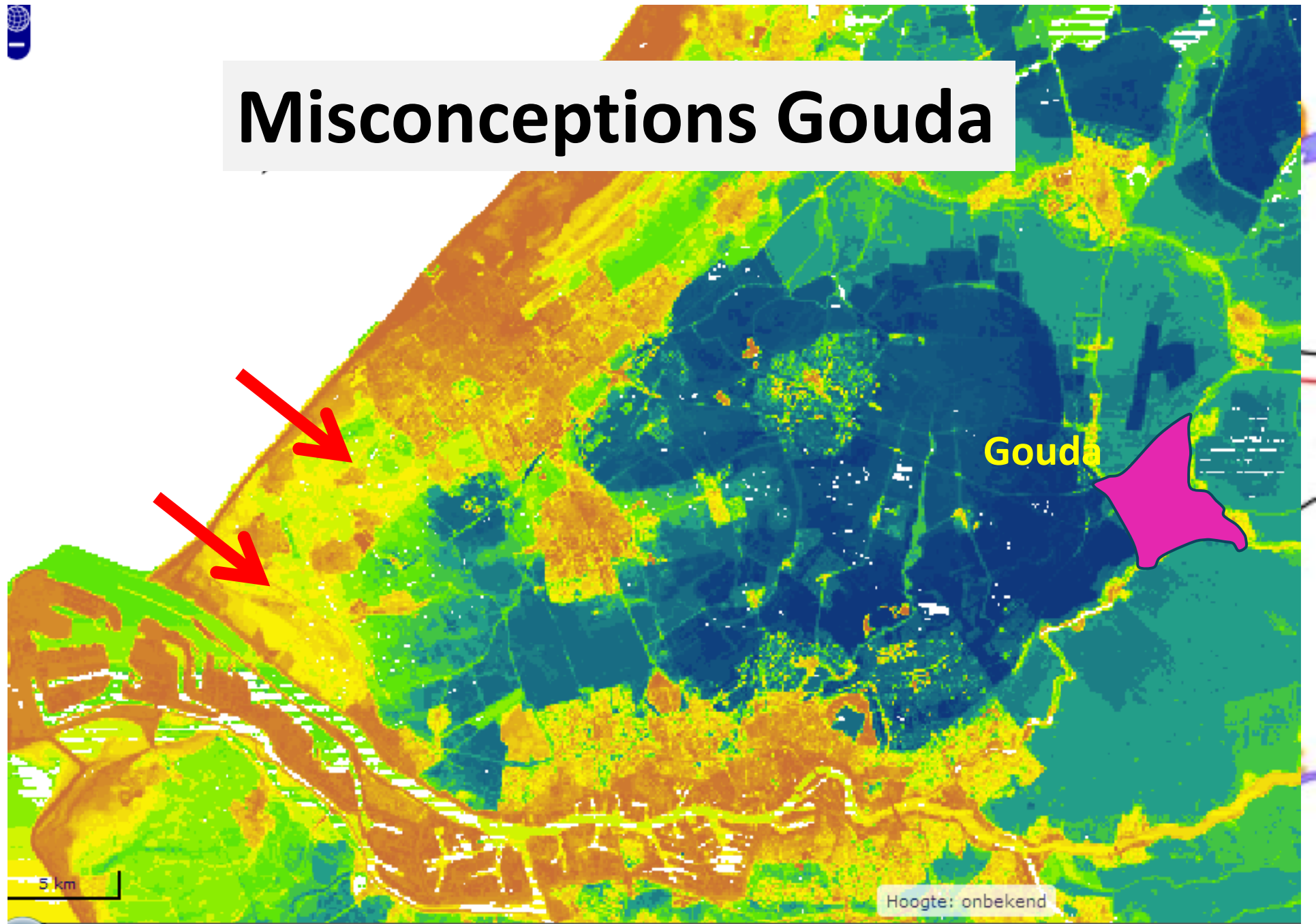


Misconceptions Gouda





Misconceptions Gouda



Mental models



Reasoning about flood-risk - Gouda

► *‘Why do you think your surroundings are well protected against flooding?’*



“The Netherlands is a country that is best protected against floods, because we have more or less invented the dikes. In other countries they say that we are leading.”

Reasoning about flood-risk - Gouda

- 'Why do you think that the surroundings of the school are protected well against flooding?'



“The dunes are made higher every year, I think.”

Reasoning about flood-risk - Gouda

► What is the height of the floodwater in when the dike bursts?



I think it won't even reach the school. If you pour a bucket of water on the ground, it's gone directly, a big amount of water will be absorbed by the ground and it will be stopped by the town.

Reasoning about flood-risk - Gouda

► 'Do you know what is the best thing to do during a flood?'



"No, not really. But instinct will tell you to go to the highest part of something. The Dutch are good swimmers, but after many hours you will be exhausted, But I think that the fire brigade, in our country, will soon come to the rescue."