

Fighting Climate Change – our responsibility

Gijs Kloek | Convention A | 22 September 2022



Agenda

- 2015 Paris agreement
- Claim development
- Long-term expectations
- Reinsurance coverage
- Causes of loss
- Flood coverage







2015 Paris Agreement

Role for insurers

THE PARIS AGREEMENT





United Nations Framework Convention on Climate Change

4. Accordingly, areas of cooperation and facilitation to enhance understanding, action and support may include:

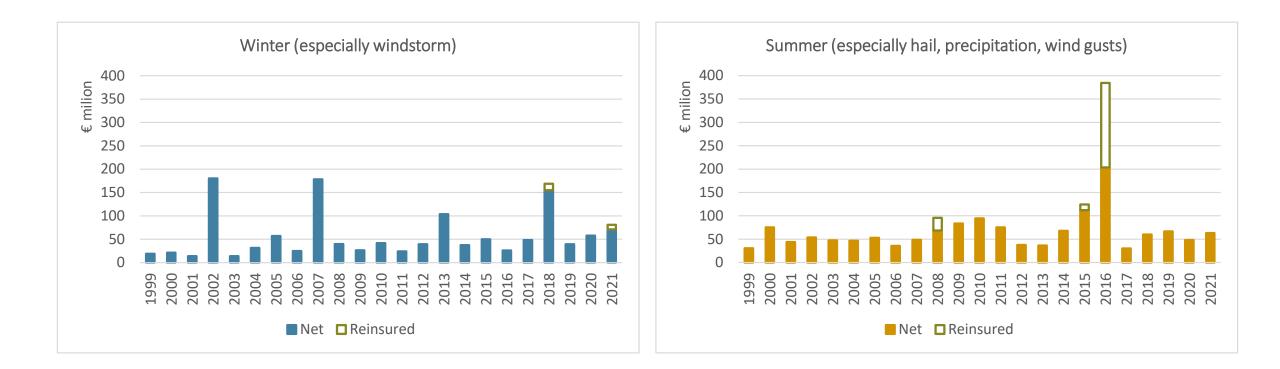
f. Risk insurance facilities, climate risk pooling and other insurance solutions;

Photo: © ANP



Achmea claims adjusted for portfolio growth

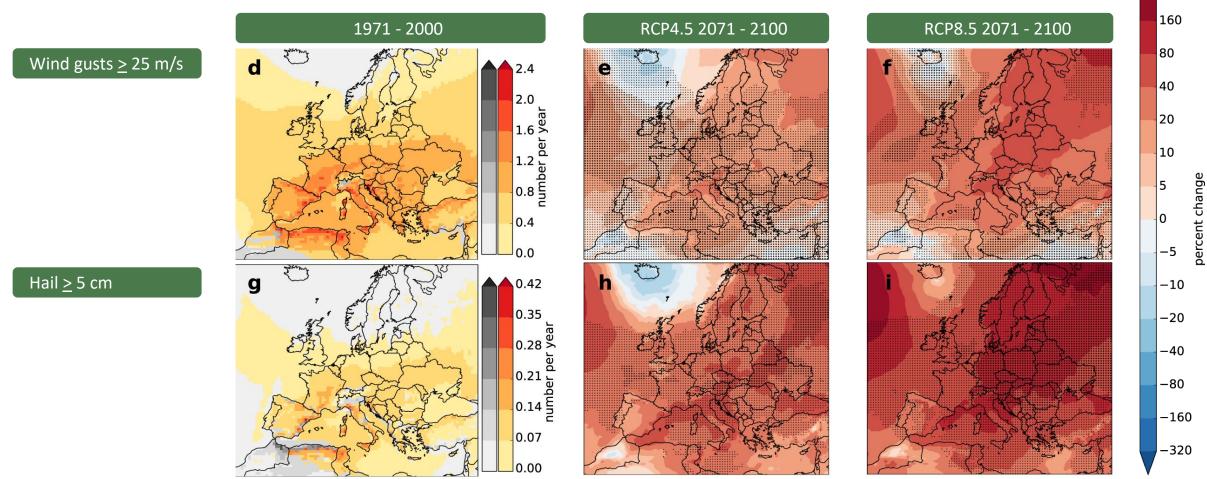
Extreme hail loss in 2016, but after 2016 losses returned to a normal pattern: no clear trend (yet)



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Hail – long term expectations

Risk will increase, but will not become uninsurable



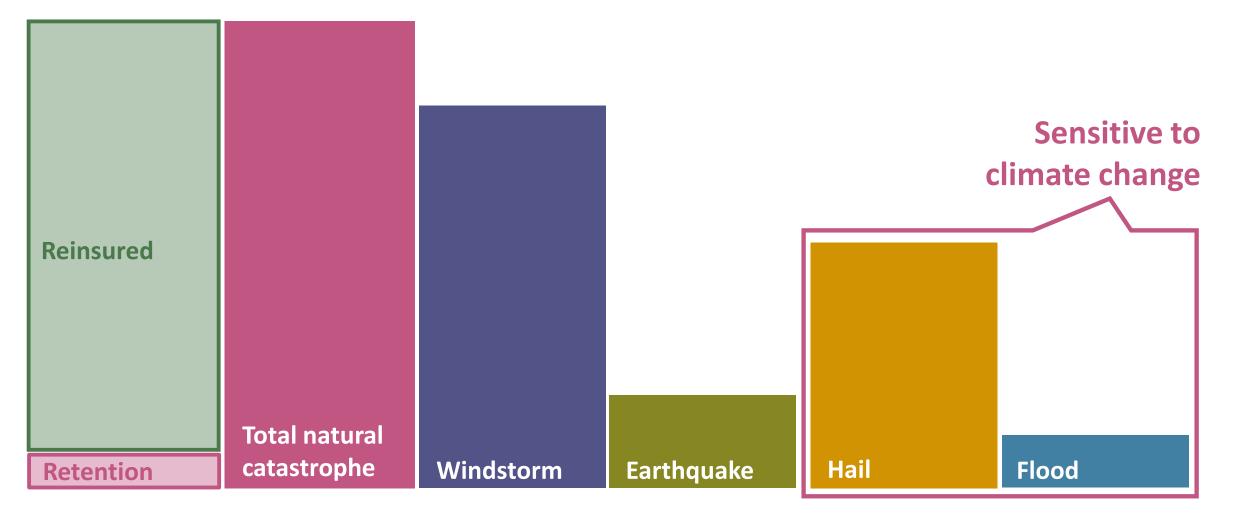
Rädler, A. T. et al. (2019). Frequency of severe thunderstorms across Europe expected to increase in the 21st century due to rising instability. Npj Climate and Atmospheric Science, 2(1), 30., https://www.nature.com/articles/s41612-019-0083-7

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Secondary perils are well covered by catastrophe reinsurance

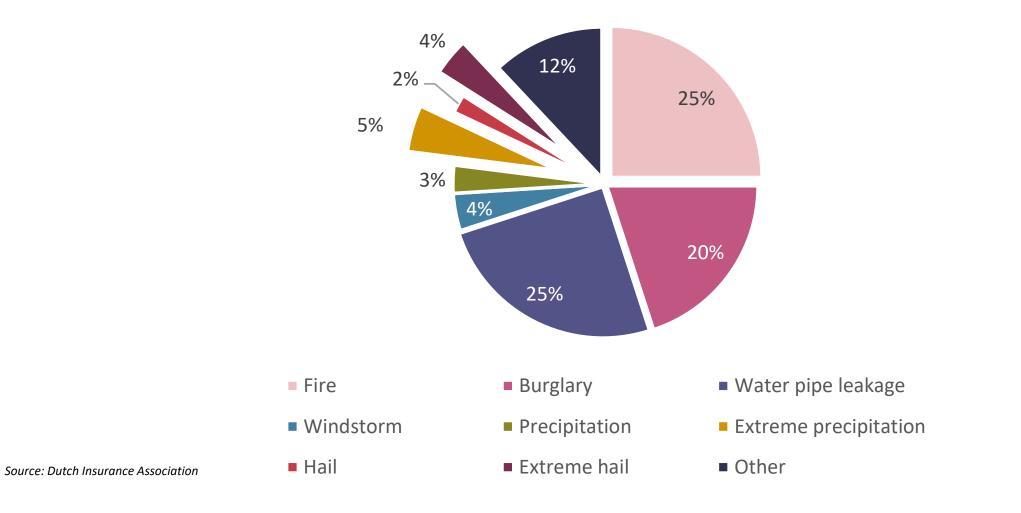
Mainly secondary perils are sensitive to climate change





Cause of loss – residential property

Approximately 10% is sensitive to climate change



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Development in flood risk coverage in the Netherlands Dutch insurers are extending their flood coverage

- After 1953 flood disaster flood risk was excluded by all insurers.
- After local floods in 1998 Dutch insurers introduced the precipitation clause covering floods caused by local rainfall, but excluding dike breaches.
- Since 2018 Dutch insurers have been extending their flood coverage by including non-primary flood defence failure.
- Currently the Dutch Insurance Association is talking with ministries and politicians about a public-private partnership for primary flood defence failure.

Photo: © ANP, Spaarnestad Photo





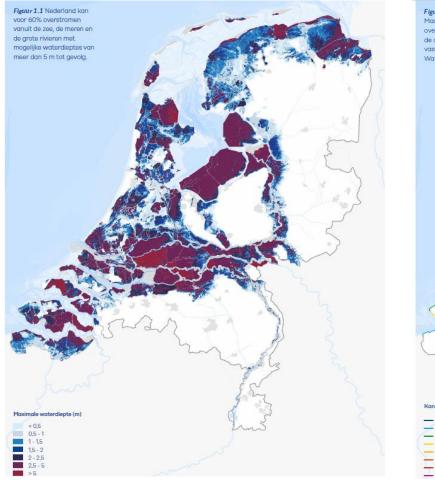


Flood risk in the Netherlands

The Netherlands is well protected. Flood risk is extreme example of low frequency – high severity

- Primary dikes defend against flood from the sea, large lakes and large rivers.
- Water depth can exceed 5 meters after a dike breach.

Source: Expertisenetwerk Waterveiligheid, Grondslagen voor hoogwaterbescheriming 2016, https://puc.overheid.nl/rijkswaterstaat/doc/PUC_151040_31/





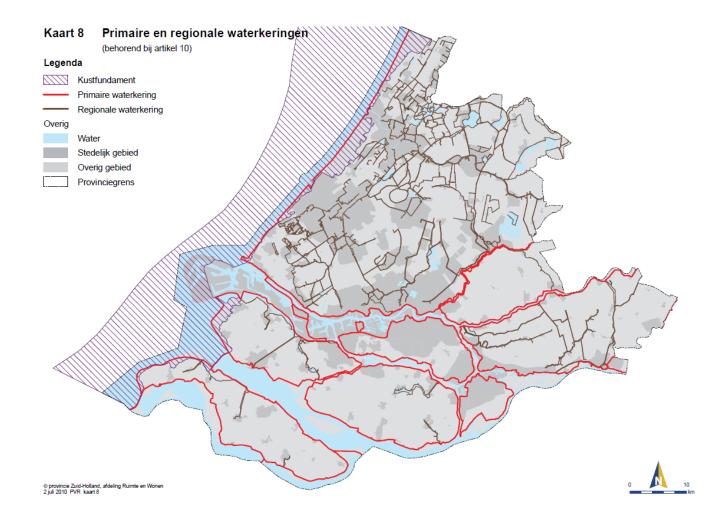


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Primary and non-primary dikes

Dike breach of non-primary dikes causes local floods only and is covered now

- Red lines: primary dikes
- Grey lines: non-primary dikes



Source: Province of South Holland

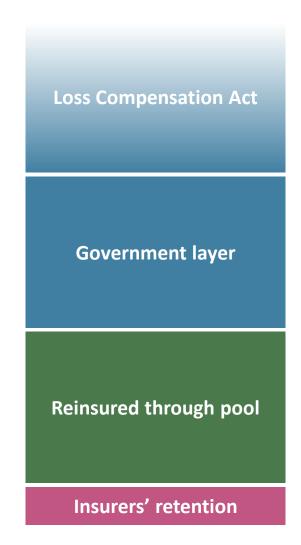


Public-private partnership

Primary dike breach is insurable through public-private partnership

 Dutch Insurance Association is trying to set up a flood insurance pool with reinsurance coverage provided by the government.

An extreme loss could be too large to be covered by insurers and reinsurers without government support.





Conclusion

- Insurance losses are expected to rise, premiums must be increased.
- Increased volatility is dampened through reinsurance.
- Weather-related risk has a relatively small share in the loss total.
- Weather risks are not expected to become uninsurable in the Netherlands.
- Dutch insurers are extending their flood coverage and taking their responsibility by making risk insurable.





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