

Climate Resilience and the role of insurance

Doris Pöpplein, Sustainability Markets Lead, Swiss Re

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Swiss Re Group Sustainability Strategy

Swiss Re vision

We make the world more resilient.

Sustainability mission

We insure, invest, operate and share our knowledge in a way that tackles sustainability challenges and creates long-term value.



Sustainability ambitions



Sustainability enablers



People and operations



ESG risk management



Governance and compliance

UN Sustainable Development Goals















Integrating sustainability into underwriting at a deal and portfolio level

Managing the downside risks

ESG Risk Framework* applied to underwriting

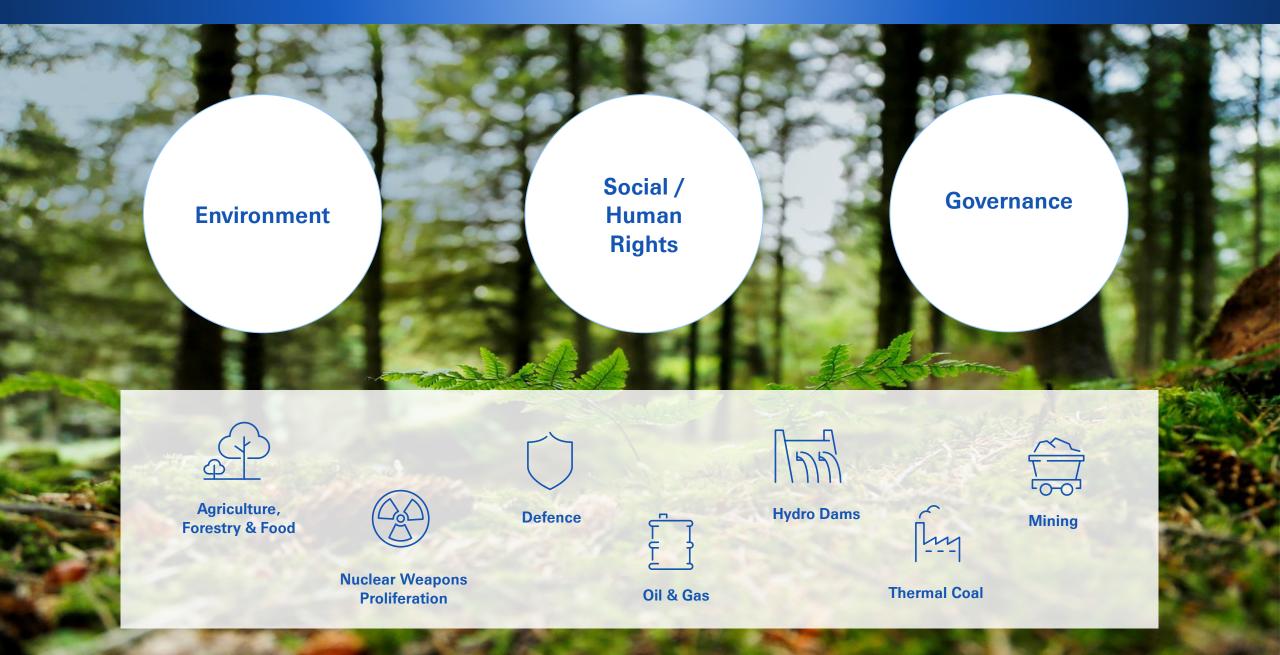


Embracing the opportunities and creating value

Underwriting addressing sustainability challenges



ESG Risk Framework



Why Disaster Risk Resilience matters to us

> 50%

of retail CUSTOMERS are

concerned about future
insurability for natural
disasters.

<u>The Value of Insurance in a Changing Risk</u> Landscape (genevaassociation.org) Nat Cat Insured Losses

\$ 108bn (2023)

expected annual midterm growth 5-7%.

Over past 30 years relative loss burden compared to GDP has more than doubled.

Sigma 1/2024

Nature's Services

50%

of GDP is dependent on nature and its ecosystem services.

World Economic Forum 2020

Society and Protection Gap

Only 40%

of economic losses from natural catastrophes were covered by insurance in 2023 showing a significant Nat Cat Protection Gap.

Sigma 1/2024

Economic Dividend

Up to 1:10

positive economic dividend from resilience measures expected.

Sigma 2/2023

How Swiss Re can support you!

We offer tools & data, consulting and participate in risk transfer.

Pre-event Alert and Understand risk Rapid Damage Post-event Protect resilience **Build Back Better** and exposure communities contingency Assessment (BBB) plan measures Nat Cat hazard maps Explore assessment of Parametric supply Explore assessment Public entity Solution for USA, pilot Nat Cat Modelling measures through chain cover of BBB options via for Germany & Japan engagement across Engine proprietary Nat Cat proprietary Nat Cat the globe Fathom Flood loss models Consulting with loss models Provision of satellite Bellwether Wildfire risk engineering data (Flood depth via Derisking & pre-event Climate risk scores Consulting with risk Allowing BBB costs to financing via services ICEYE) Climate change loss be ceded to treaty engineering services re/insurance modelling IT solution for the reinsurance Innovative parametric Swiss "Organization covers, nature-based Earthquake Losses" solutions













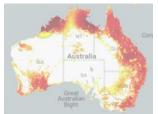


Be prepared when disaster strikes!

Understand your exposure and resilience measures to reduce vulnerability.

Two industry examples





CatNet[®]

Mission to adapt 2m homes for climate and disaster resilience by 2030.

Bushfire Rating App provides a rating and recommends concrete resilience measures.

Connecting people to a resilient future - Resilient Building Council

Property Flood Resilience Measures

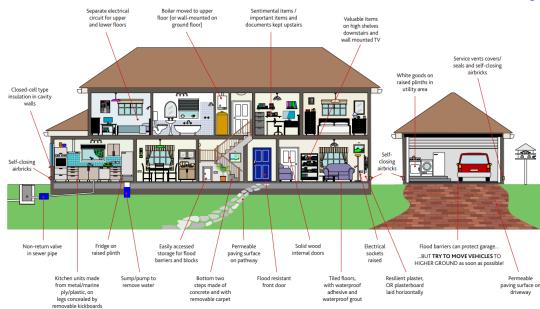


CatNlat

Combined resistance and resilience measures

Keeping water out for as long as possible buys valuable time to raise / move your belongings.





Property Flood Resilience Measures - Flood Mary

Build Back Better

When rebuilding focuses on resilience measures to be prepared for the next event and maintain affordability.*

Challenges

- Who pays?
- Mismatch in **time taken** for **Rol**
- Will the customer stay?
- **Speed** of repair/replacement
- Customer cosmetic expectations

What works

- **Prepared insurers**, offering and benefits quantified and preorganised, part of claims process.
- Show **individual options** and suppliers.
- Offer premium reduction for reduced risk.
- Loss adjustor understands full menu of available options.

Concrete cases

• Flood Re in the UK, 70% market take up rate, £10k in addition to claim payout.

Build Back Better - Flood Re

 IBHS in Alabama, in the USA, buy endorsement to upgrade to Fortified Roof after a loss.

Fortified Roof - Insurance Institute for Business & Home Safety

 ICLR in Canada offering resilience in recovery program for communities.

Parametric cover for emerging needs

Innovative structures
subject to a Suitable trigger
and reliable data &
reporting.*

Areas of use

- Nat Cat where no indemnity cover exists/suits.
- Meet urgent needs immediately after an event emergency money, mitigation action, supply chain interruption, contingent business interruption.

Customers

- **Households** as add on to indemnity policy.
- Commercial & industrial companies for holistic risk management.
- Public entities as pre-event financing instrument.

Concrete cases

- Soil moisture deficit index drought insurance with help of satellite data from Planet.

 Drought is insurable - Swiss Re
- Flood cover for low-income communities in New York City with satellite data from ICEYE.
 Parametric for low-income - Swiss Re

^{*}Trigger to be fortuitous, able to model and correlated with the financial exposure of the insured to limit basis risk.

NATURE BASED SOLUTIONS CRITICAL ROLE OF NATURE IN RISK PREVENTION, MITIGATION AND ADAPTATION

The challenge

- Nature and biodiversity are under threat.
- 50% of GDP is dependent on nature and its ecosystem services*.
- Nature protects properties and assets but has not been given a concrete value and assessment of expected loss reduction is challenging.

The solution

- Protect nature from Nat Cat. New SRI analyses show empirically that the presence of natural coastal protection can reduce flood losses.
- Nature can be insured to be restored as soon as possible after an event.
- Interest often on community level. Public entities or affected business owners.
- · Value of nature can be included in risk selection and costing.

Examples



Protect natural assets with insurance Parametric hurricane cover for coral reef in Mexico. Payout used for repairing the reef right after the event.



Green infrastructure

Protection for the island of Texel in the Netherlands by creating a landscape gradient from sand and planting marram grasses. Protection from erosion and enhancement of local natural habitat. Swiss Re provided construction cover.





Thank you!

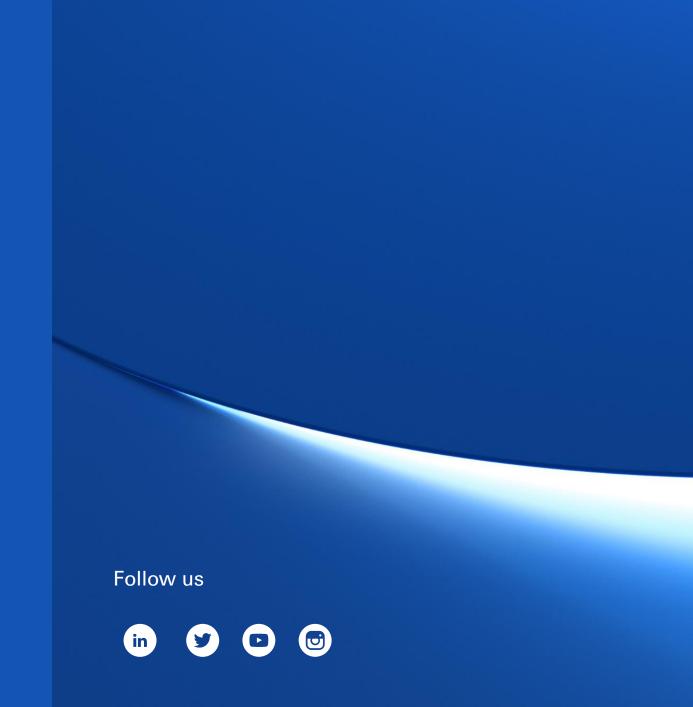
Contact us



Doris Pöpplein

Sustainability Markets Lead

Doris_Pöpplein@swissre.com +41 43 285 68 66





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