



# Resilience Week 2022

COLLECTIVE RESILIENCE  
10 NOVEMBER 2022



# Parametric Insurance Product Overview

**Descartes Underwriting**

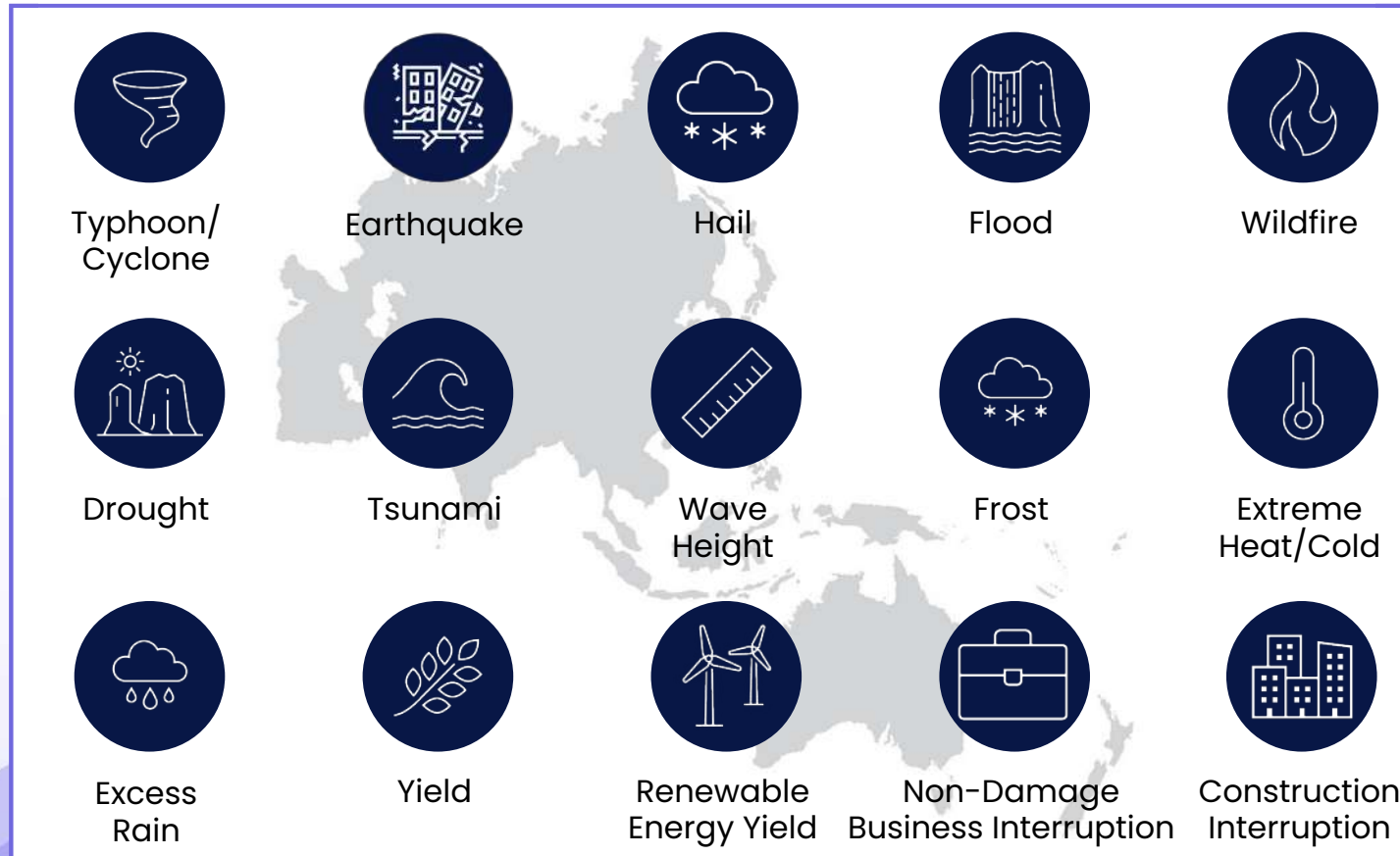
Tanguy Touffut, *CEO & Co-founder*

DESCARTES



# Product range

Core product offering in Asia Pacific (*sample, non exhaustive*)



> **20+ fully customizable products** protecting against all key perils...



# Extensive industry cover



... and enabling **clients in all sectors** to recover fast from NAT CAT damages and related business interruptions

Agriculture  
Telecommunications  
Utilities  
Construction  
Hospitality  
Energy & Renewables  
Ports, Terminals & Marinas  
Coastal properties  
Manufacturing  
Forestry  
Aquaculture  
Public sector  
Property  
and more...

# Streamlining insurance

Parametric solutions give access to new sources of capacity worldwide, delivering the quickest payouts when companies need it the most

- 1 We leverage **data and machine learning** to **evaluate client's NAT CAT exposure**
- 2 We define a **customized cover based on pre-defined parameters and pre-agreed indemnity**
- 3 **Payout structures are indexed according to pre-defined parameters**
- 4 If an event triggers pre-defined thresholds, **client receives compensation** as per payout table **within a few days**

## *Product specific parameters (example, non-exhaustive)*



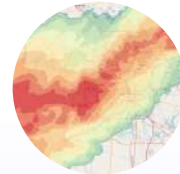
### Cyclone/Typhoon

Distance from cyclone/typhoon track  
Sustained wind speed at location



### Earthquake

Distance to epicenter & magnitude  
Peak ground acceleration (PGA)



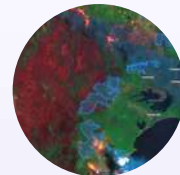
### Hail

Size and intensity of hail stones  
Quantity of hail stones



### Flood

Daily measured river level  
Excess rainfall



### Wildfire

Wildfire occurrence in radius  
Burnt area in a plantation

**15+ additional products available**

# Key perils in Asia-Pacific

Including Cyclone/Typhoon and Earthquake

## Cyclone/Typhoon parametric cover



## Earthquake parametric cover



### **Customized product design:**

- Leverages modeling techniques and data to capture all elements of a cyclone/typhoon, resulting in better risk assessment and product design
- Tailors cover to client's specific attributes, to damage and engineering reports

**Tailored geographical coverage:** Enables to cover selected spot locations, where traditional data limitations impeded previous coverage, as well as large multi-location international programs (incl. insured's clients or suppliers' sites)

**Comprehensive risk coverage:** Covers all consequences of perils and associated risks including non-damage business interruption

# Secondary perils

Including Hail, Flood and Wildfire



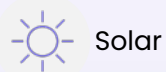
## Hail

Using **sensitive sensor and hail pads** to monitor hail showers

**What we cover:** hail losses for sensitive target groups  
(e.g., car parks, greenhouses, solar parks)

**Index:** size, intensity, quantity of hail stones

### Sample industries:



Solar



Goods in the open



## Flood

Using **weather stations, satellite imagery or local river gages** to measure excess rainfall and river floods

**What we cover:** all types of financial losses  
(e.g., property damages, additional costs, NDBI)

**Index:** quantity of rainfall, daily measured river level

### Sample industries:



Agriculture



Properties exposed to riverbanks



Construction project delay



## Wildfire

Using **high resolution satellite images** to detect fire and burnt area and compensate on this measure

**What we cover:** losses caused by wildfire  
(irrelevant of the number of events over the risk period)

**Index:** burnt area of the plantations, wildfire occurrence within a radiance

### Sample industries:



Forestry