Pace Layers

The social economy ecosystem has many layers, all of which change at different rates, the outer layers moving faster than the inner.

Source: Stewart Brand, The Clock of the Long Now
Relevant natural catastrophe loss events worldwide 2019
Tropical cyclones, extreme storms and floods caused overall losses of US$ 150bn

Severe storm, tornado
17 – 31 May, United States
Overall losses: US$ 4.7bn
Insured losses: US$ 3.6bn

Flood
9 Mar – 1 Apr/ May - Jul,
United States
Overall losses: US$ 4bn/US$ 5.7bn
Insured losses: US$ 0.06bn/minor

Hurricane Dorian
27 Aug – 9 Sep, Barbados, Bahamas, British Virgin Islands, Dominica, Martinique, U.S. Virgin Islands, Puerto Rico, United States, Canada
Overall losses: US$ 5.6bn
Insured losses: US$ 4bn

Cyclone Idai
9 – 14 Mar, Malawi, Mozambique, South Africa, Madagascar, Zimbabwe
Overall losses: US$ 2.3bn
Insured losses: minor
Fatalities: 1,014

Flood, flash flood, landslide
Jun– Jul, China
Overall losses: US$ 6.2bn
Insured losses: minor

Typhoon Hagibis
12 – 13 Oct, Japan
Overall losses: US$ 17bn
Insured losses: US$ 10bn

Typhoon Faxai
9 Sep, Japan
Overall losses: US$ 9.1bn
Insured losses: US$ 7bn

Typhoon Lekima (Hanna)
6 – 14 Aug, China, Taiwan, Japan, Malaysia
Overall losses: US$ 8.1bn
Insured losses: US$ 0.84bn

Wildfire (series)
Sep – Dec, Australia
Ongoing event

Source: Munich Re, NatCatSERVICE, 2019
The Need

Climate change is driving need to accelerate progress in order to create a resilient state

Source: Stewart Brand, The Clock of the Long Now
The Gap

While there is progress, it is not fast enough to close the gap. The result is a tension between crisis response and long term investment in resiliency.

Source: Stewart Brand, The Clock of the Long Now