



# 2022 Hurricane & Typhoon Seasons Early Outlook

By TransRe's Catastrophe Research Team

## OUR EARLY FORECAST SUGGESTS 2022'S OUTCOMES MIGHT BE SIMILAR TO 2018

### Supporting Notes:

- **ENSO transitions from La Niña to El Niño** – neutral phase in Q2/Q3, expect El Niño in early Fall (**Neutral phase** generally indicates an average season for Pacific and Atlantic Basins)
- **AMO stays positive** – North Atlantic warmth likely stronger than indicated by analog forecast
- **Pacific Decadal Oscillation (PDO)** negative shifting to neutral – several regional “warm blobs” may occur in Northern Pacific

## NORTHWEST PACIFIC TYPHOON – ABOVE AVERAGE DURING OCTOBER & NOVEMBER

### Supporting Notes:

- Due to possibility of El Niño in early Fall
- **ENSO-neutral** indicates an **average season** during August & September
- Average **industry loss** when ENSO-neutral = \$6.5B
- If transition into El Niño in early Fall, we should expect **higher average loss** than \$6.5B
- Similar circumstances can result in **significant loss years** comparable to 1976 & 2018

Year	Significant Events	Total Loss As Of 2022 \$
1976	Fran	\$8B
2018	Jebi, Trami	\$16B

## NORTH ATLANTIC HURRICANE – ABOVE AVERAGE DURING AUGUST & SEPTEMBER

### Supporting Notes:

- Driven by AMO+ and warmer than average sea surface temperature (SST)
- **ENSO-neutral** indicates an **average season**. Therefore, the seasonal forecast will be more influenced by regional weather anomalies (e.g. AMO, NAO).
- **NAO** mainly impacts the US landfalling location and varies on a weekly/monthly basis, it is too early to identify any significant signal for NAO.
- **Long-term** (1950-2021) average industry loss when ENSO-neutral = \$15B
- **Near-term** (2000-2021) average industry loss when ENSO-neutral = \$24B
- Similar circumstances can result in **significant events** comparable to 2012 & 2018

Year	Significant Events	Total Loss As Of 2022 \$
2012	Sandy	\$24B
2018	Florence, Michael	\$14B

Disclaimer and Note Regarding Forward Looking Statements: This material is for informational purposes only and there is no guarantee of the accuracy or completeness of its contents. Certain of the statements included in this report constitute forward-looking statements within the meaning of the U.S. Private Security Litigation Reform Act of 1995. Statements made herein may provide current expectations of future events based on certain assumptions. These statements involve known and unknown risks, uncertainties and other factors which are not exhaustive. Therefore, such statements are not guarantees of future performance and actual outcomes and results may differ, possibly materially, from those matters expressed or implied in such statements. The authors undertake no obligations to publicly revise or update any statements, whether as a result of new information, future events or otherwise. In no event shall TransRe or any of its affiliates or each of their respective employees be liable for any damage and financial loss arising in connection with any use of the information provided herein.