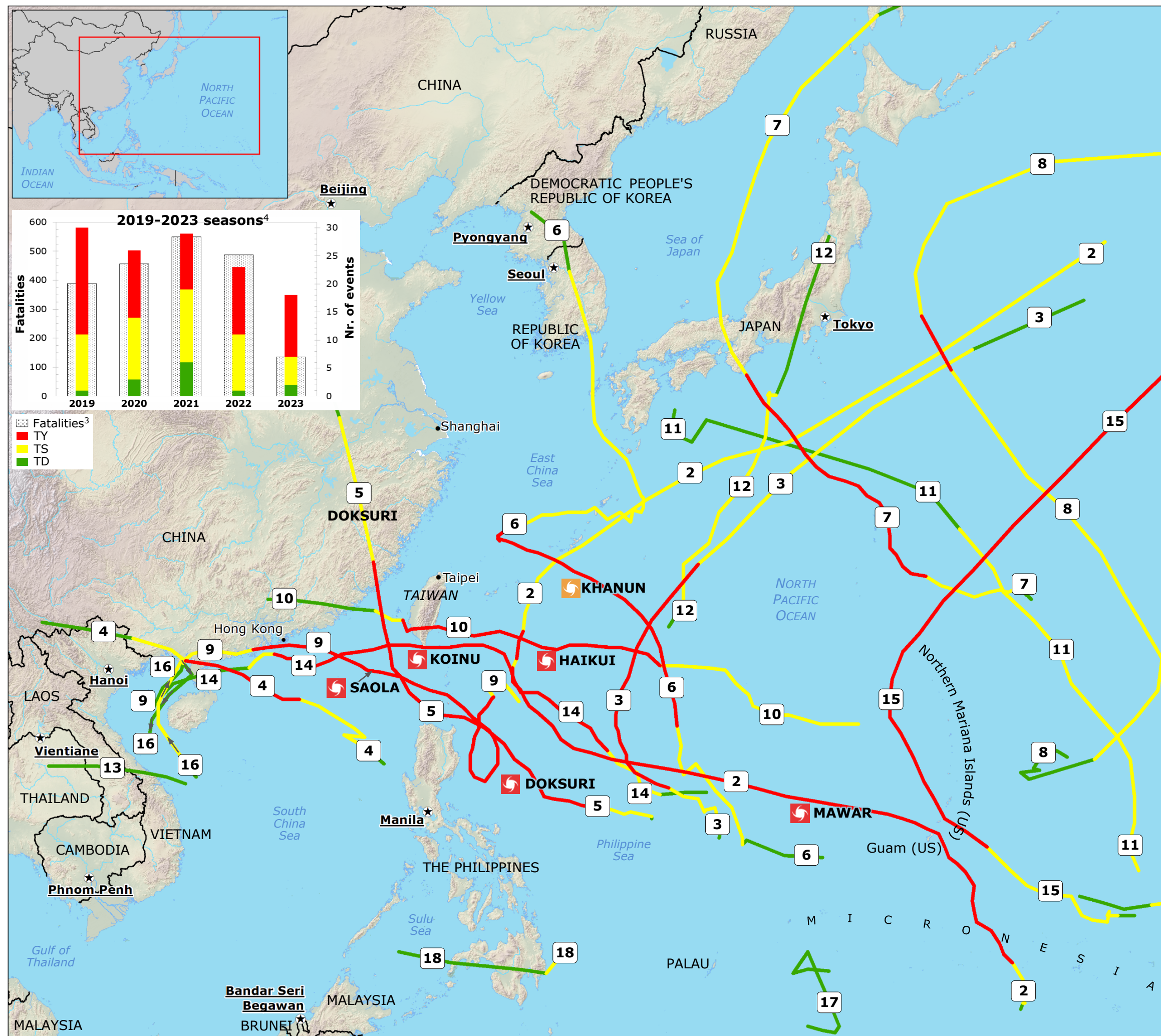
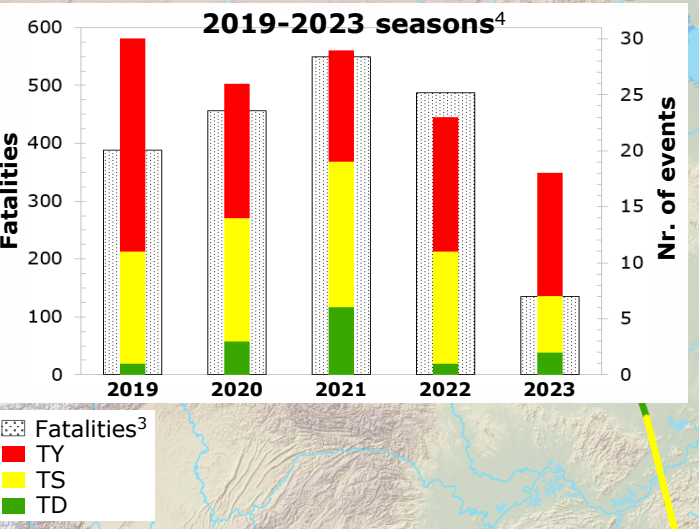


Western North Pacific | 2023 Tropical cyclone season



- The tropical cyclone season across the Western North Pacific basin lasts throughout the whole year, averaging nearly 27 typhoons/tropical storms per year during the reference period 1959-2020.
- The 2023 season was well below the average, with 18 meteorological systems, of which 11 typhoons.
- The number of fatalities across the affected countries reached 135.

Source: GDACS, JTWC, WMO



Nr.	Name	Date	Max wind speed (km/h) ²	Fatalities ³	GDACS alert
1	SANVU	19-22 Apr	83 (TS)		
2	MAWAR	20 May - 3 Jun	170 (TY)	7	
3	GUCHOL	6-12 Jun	167 (TY)		
4	TALIM	14-18 Jul	130 (TY)	3	
5	DOKSURI	21-28 Jul	241 (TY)	101	
6	KHANUN	27 Jul - 10 Aug	222 (TY)	13	
7	LAN	7-17 Aug	213 (TY)	1	
8	DAMREY	23-28 Aug	120 (TY)		
9	SAOLA	23 Aug - 3 Sep	250 (TY)	3*	
10	HAIKUI	28 Aug - 4 Sep	194 (TY)		
11	KIROGI	30 Aug - 4 Sep	111 (TS)		
12	YUN-YEUNG	5-8 Sep	74 (TS)	3	
13	THIRTEEN	25 Sep	56 (TD)	1	
14	KOINU	29 Sep - 10 Oct	213 (TY)		
15	BOLAVEN	7-14 Oct	287 (TY)		
16	SANBA	17-20 Oct	74 (TS)	2	
17	SEVENTEEN	12-13 Nov	46 (TD)		
18	JELAWAT	17-18 Dec	65 (TS)	1	

Tropical cyclone (TC) classification¹

- Typhoon² (TY) ≥ 119 km/h
- Tropical storm² (TS) 63-118 km/h
- Tropical depression² (TD) ≤ 62 km/h
- Country boundary

*Impact for SAOLA and HAIKUI.
¹More info: [WMO](#).
²GDACS and JTWC wind data, based on 1-min maximum sustained wind. The Regional Specialized Meteorological Centre (RSMC) for the basin is the [RSMC Tokyo-Typhoon Center](#) of the Japan Meteorological Agency (JMA). JMA wind data are based on 10-min average wind (more info on scale and intensity: [JMA](#); more info on conversion: [WMO](#)).
³Sources: DG ECHO, Reliefweb, WMO, EMDAT, PAGASA TC Summary, ADINet, AHA Centre, Floodlist.
⁴For sources of 2019-2022 see the DG ECHO [Daily Map](#) of 13 January 2023.