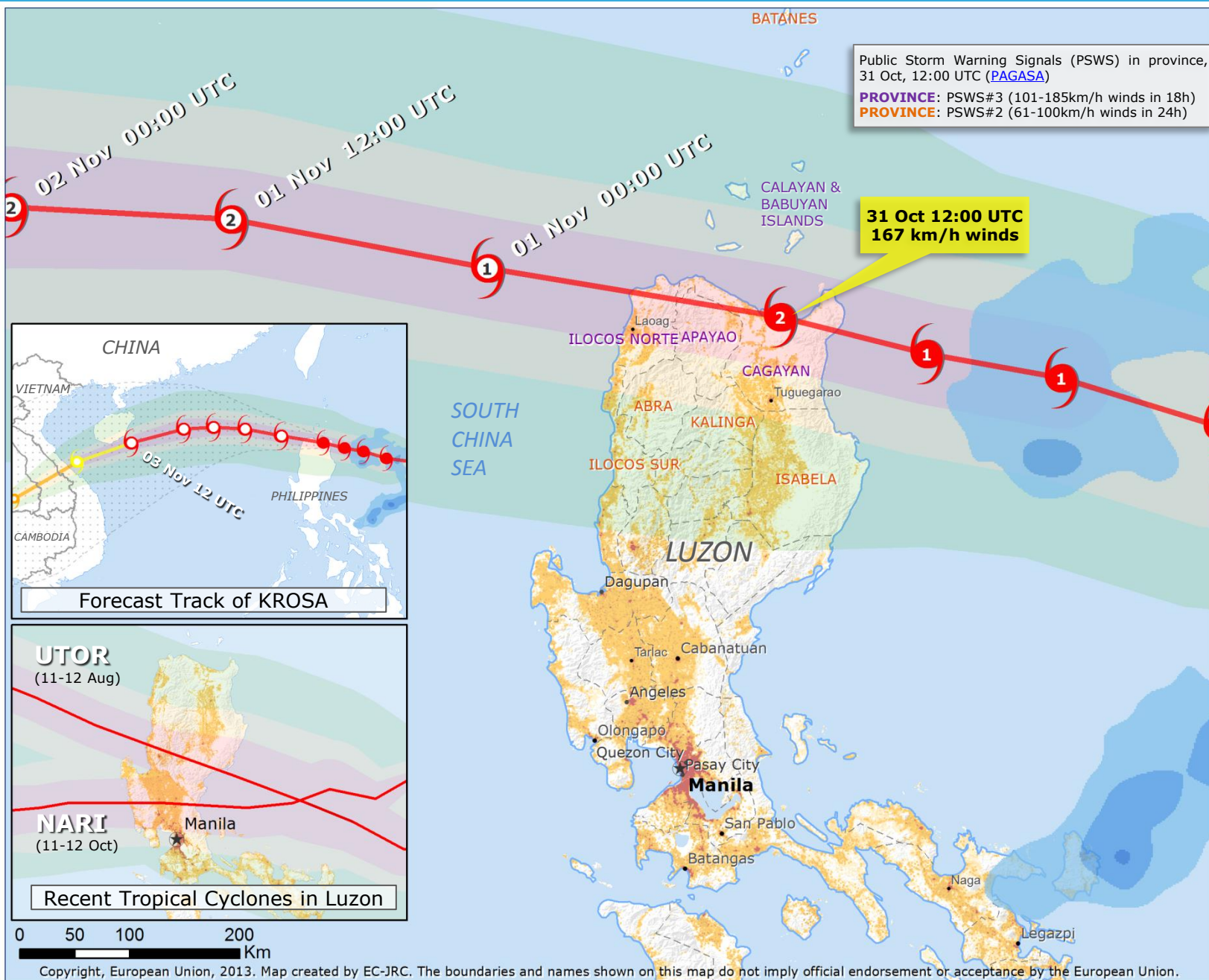


# 31 Oct 2013: Philippines – Tropical Cyclone KROSA



## SITUATION

- KROSA (VINTA in the Philippines) made **landfall in Cagayan** province at around 10:00 UTC on 31 Oct as a **Typhoon**. It is expected to traverse the northernmost parts of Luzon keeping Typhoon strength, and emerge into the South China Sea in the afternoon of the same day (UTC). ([GDACS](#))
- Strong, **Typhoon-force winds** and **heavy rainfall** should affect the northern provinces of Luzon on 31 Oct. See map for provinces under Public Storm Warning Signals #2 and #3 ([PAGASA](#))
- After leaving the Philippines, KROSA is forecast to move in the direction of Hainan province of **China**, maintaining Typhoon strength. According to the 31 Oct 12:00 UTC data, it could approach Hainan on 3 Nov.
- Luzon has been heavily affected by Tropical Cyclones in the past few months. **UTOR** and **NARI** crossed central Luzon as powerful Typhoons in mid-August and mid-October respectively, causing heavy damage and casualties. UTOR killed 8 people and damaged 20 000 houses, while NARI killed 15 people and damaged 53 000 houses. ([NDRRMC](#))

POP. DENSITY (ppl/km <sup>2</sup> )	TROP. CYCLONE TRACK
101 - 500	Tropical Depression
501 - 2 500	Tropical Storm
2 501 - 5 000	Typhoon
5 001 - 130 000	Typhoon Position (x = equiv. category)
RAINFALL - TRMM (mm in 24h; 30 October)	WIND BUFFER
50 - 100	64 km/h
100 - 150	92 km/h
150 - 200	119 km/h
200 - 250	Area of Track Uncertainty