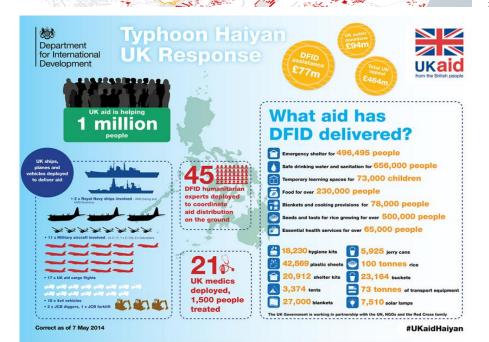
#### HAIYAN 6:00 GMT Myanmar Tropical Storm 10 Nov Severe Typhoon Laos 6:00 GMT Super Typhoon Thailand Vietnam **Philippines** Cambodia 9 Nov 8 Nov 6:00 GMT 6:00 GMT Malaysia TACLOBAN



# Case Study: Hurricane Haiyan

# **Facts**

- A category 5 typhoon
- Wind speeds of up to 314 km per hour
- 8<sup>th</sup> November 2013 at 4:40am
- Started in the north-west Pacific Ocean

### **Effects**

- 90% of Tacloban was destroyed (Philippine city)
- 1.1 million tonnes of crops destroyed
- 6,190 people died
- 4.1 million people made homeless
- Power was interrupted, the airport was badly damaged and roads were blocked
- Storm surges destroyed coconut and rice crops. 12.7% of GDP hit
- Oil barge ran aground at Estancia causing an 800,000 litre oil leak
- 10 hectares of mangrove swamps killed by the oil spill at Estancia
- Looting was rife as survivors fought for food and supplies
- The flooding caused surface and groundwater to be contaminated with seawater, chemicals from industry and agriculture and sewage systems
- Eight deaths reported in a stampede for rice supplies

## Responses

- The authorities evacuated 800,000 people
- Most emergency aid and supplies arrived three days later
- 1 million food packs and 250,000 litres of water
- A 'no build zone' along the coast in Eastern Visayas
- Mangroves replanted
- Put out a televised warning
- The government supplied equipment and medical supplies
- Power was restored in a week
- 33 countries and international organisations pledged help, with rescue operations and an estimated \$88 million
- A new storm surge warning system