



# ANTICIPATORY ACTION PROTOCOL

## Typhoon and tropical cyclone-induced flooding

### Viet Nam



The protocol aims to guide the government and partners to:

- 1 Systematically monitor the likely impact of a hazard
- 2 Use forecast information to trigger specific anticipatory actions

### Why focus on typhoon and tropical cyclone-induced flooding?



Viet Nam is hit by **up to six tropical cyclones** annually. The strong winds but also extreme flooding induced by a tropical cyclone may have a devastating impact on lives and livelihoods.

### Collaboration and partnerships



Collaboration and partnerships are crucial for testing anticipatory action and mainstreaming the approach in national disaster risk management systems.



**Viet Nam Dyke and Disaster Management Authority (VDDMA)**

The Anticipatory Action Protocol for typhoon and tropical cyclone-induced flooding in Viet Nam was developed in collaboration with VDDMA. The protocol will be regularly reviewed and updated with valuable learnings gained from testing with VDDMA.

FAO also collaborates with other partners such as Red Cross, Care International, World Vision and Plan International who are active in implementing anticipatory actions in Viet Nam.

### Early warning system and trigger points

At least 60% probability of a tropical cyclone hitting the target areas based on the \*ECMWF forecasts

#### Readiness trigger

- Start the preparedness activities to deliver anticipatory actions
- FAO and VDDMA monitor the forecasts
- FAO and VDDMA agree on possible activation

NOTE: The triggers will be reviewed on a regular basis and/or after each activation.

72h

Based on the \*\*NCHMF forecasts and cross-check with the ECMWF forecasts:

- Windspeed:** 100 km/h at landfall
- Rainfall:** Accumulation of 420mm in 72 h

#### Activation trigger

- Inform VDDMA and provincial/district/commune partners
- Inform communities of the impending tropical cyclone and its potential impact
- Start the delivery of anticipatory actions

48h

#### Completion of the delivery

\*ECMWF: European Centre for Medium-Range Weather Forecasts  
\*\*NCHMF: National Center for Hydro-meteorological Forecasting

Day-5      Day-4      Day-3      Day-2      Day-1      Typhoon landfall

### Anticipatory Action

aims to reduce:



The negative impact of tropical cyclones on food security



The loss of farmers' income due to crop/livestock damage and loss

#### Overview of anticipatory actions

#### Targeted high-risk areas\*

#### Targeted groups

- Early warning message
- Watertight drums
- Livestock shelter
- Multi-purpose cash transfer



- The most vulnerable farmers who rely on agricultural production and livestock rearing for their livelihoods.
- The poor and vulnerable families who rely on social assistance and/or daily labor and are most at risk of food insecurity.

The selection, design and planning of the actions were conducted via a consultative process with local authorities and communities.

United Nations Office for the Coordination of Humanitarian Affairs (OCHA). Viet Nam Subnational Administrative Boundaries. Cited 1, June, 2023 <https://data.humdata.org/dataset/cod-ab-vnm>

### Pre-arranged financing



Estimated **USD 430 000** safeguard the food security and livelihood of maximum **7 500** vulnerable households

Thanks to the **Directorate-General for European Civil Protection and Humanitarian Aid Operations (DG ECHO)** funds are already pre-arranged in-country to allow timely and quick action ahead of a potential typhoon in Viet Nam.



Funds can further be topped up through FAO's Special Fund for Emergency and Rehabilitation Activities (SFERA) Anticipatory Action window and government counterparts are further seeking avenues for funding opportunities.



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