Selection of typhoon impact factors

Data
- In situ precipitation data
- Gridded precipitation datasets
- Digital Elevation model (DEM)
- Land use map
- In situ water level data
- ADCP discharge data
- Urban flood reports

Methods
- Performance evaluation of datasets against in situ
- Mapping and characterisation
- Harmonic Tidal Analysis
- Discharge Estimation
- Rainfall-discharge interaction
- Storm surge impact
- Main urban flood drivers
- Statistical description of typhoon impact
- Influence of typhoon on river discharge
- Influence of tide on river discharge

Outcomes
- Quantification of event’s precipitation
- Influence of typhoon on river discharge
- Main urban flood drivers