StormManager

An SDSS for responding to storm events

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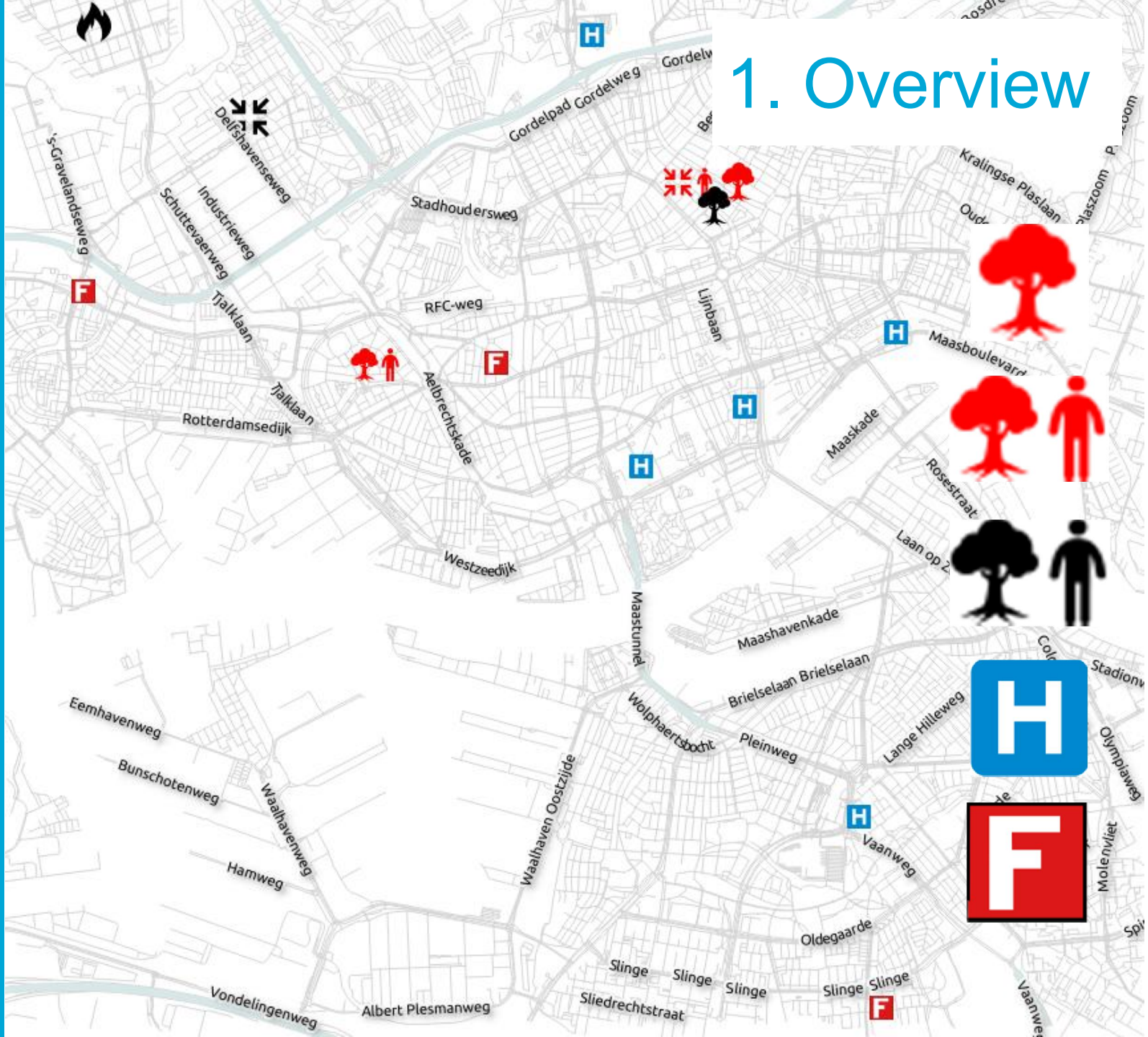
Use case

- Storm –> strong winds
- Command and Control center
  - common operational picture for the decision makers
  - where to help first?
  - active/resolved events?
  - which facility should be assigned to an event?

Concept

1. quick overview of the current situation
2. info about the events
3. info about the wind conditions
4. dispatch field units if needed

1. Overview



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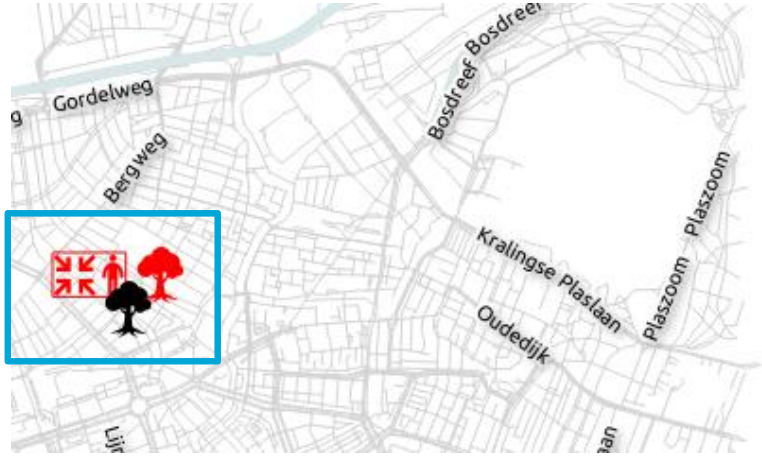
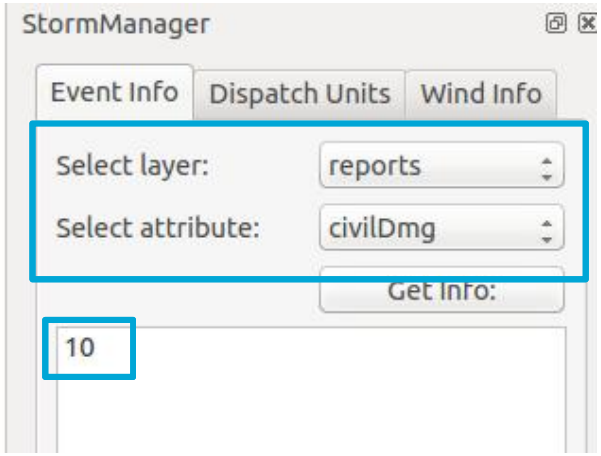
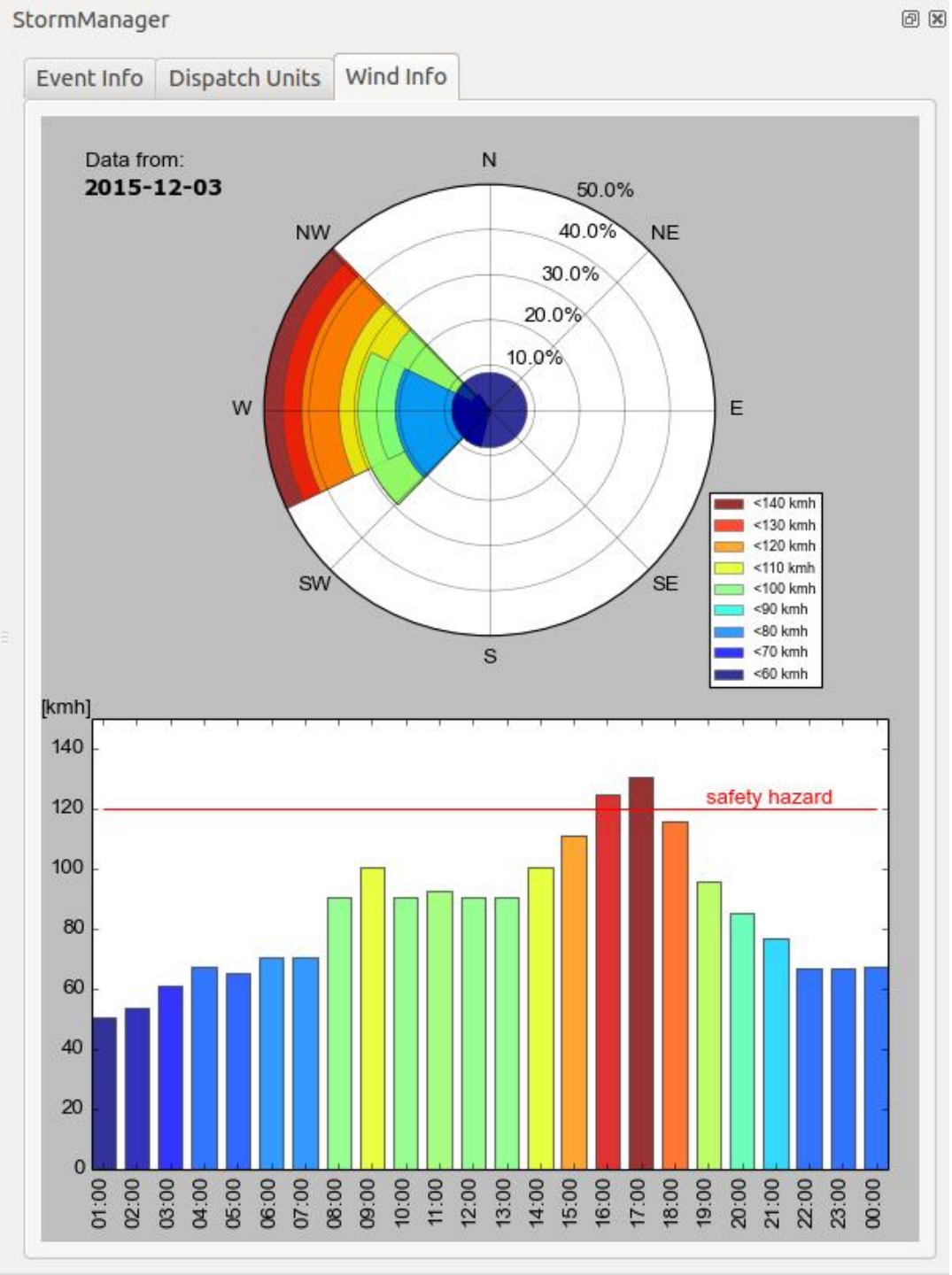
2. Event Info

- quick access to event information







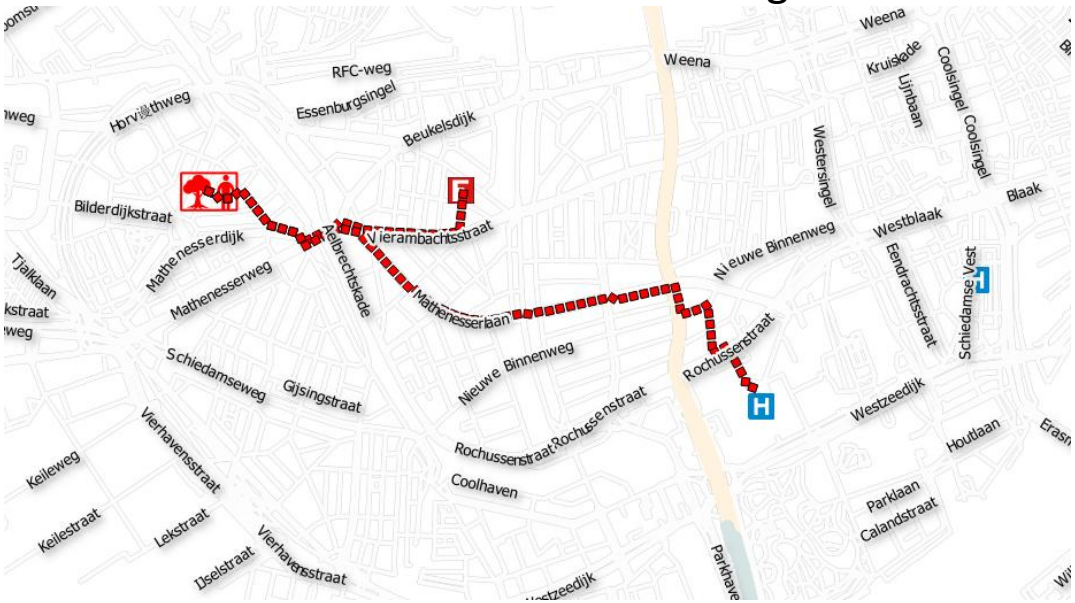
3. Wind conditions

- wind rose
  - speed, direction, percentage
- bar chart
  - speed, time

4. Dispatch units

(1) Data input: Events come in

(2) Quick response → Calculate all the routes from event to all the facilities needed. Choose the nearest facilities to assign



unitOnSite
NULL

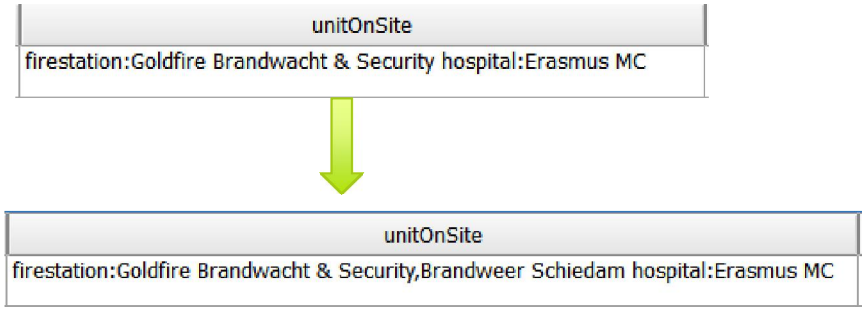
→

unitOnSite
firestation:Goldfire Brandwacht & Security hospital:Erasmus MC

In this case, there is one person hurt in the event, so both the nearest hospital and the fire station will be assigned to deal with the event.

(3) Decision output: Contact the facilities to check if they are available for dealing with the event or is there enough staff, do they need help from other facilities, then give them instruction.

(4) Iterative decision making: Assign any facility manually as you want



Assign also fire station : Brandweer Schiedam to help

(5) Close event: When the information that a event has been solved, decision maker in control center can close an event with our plugin.