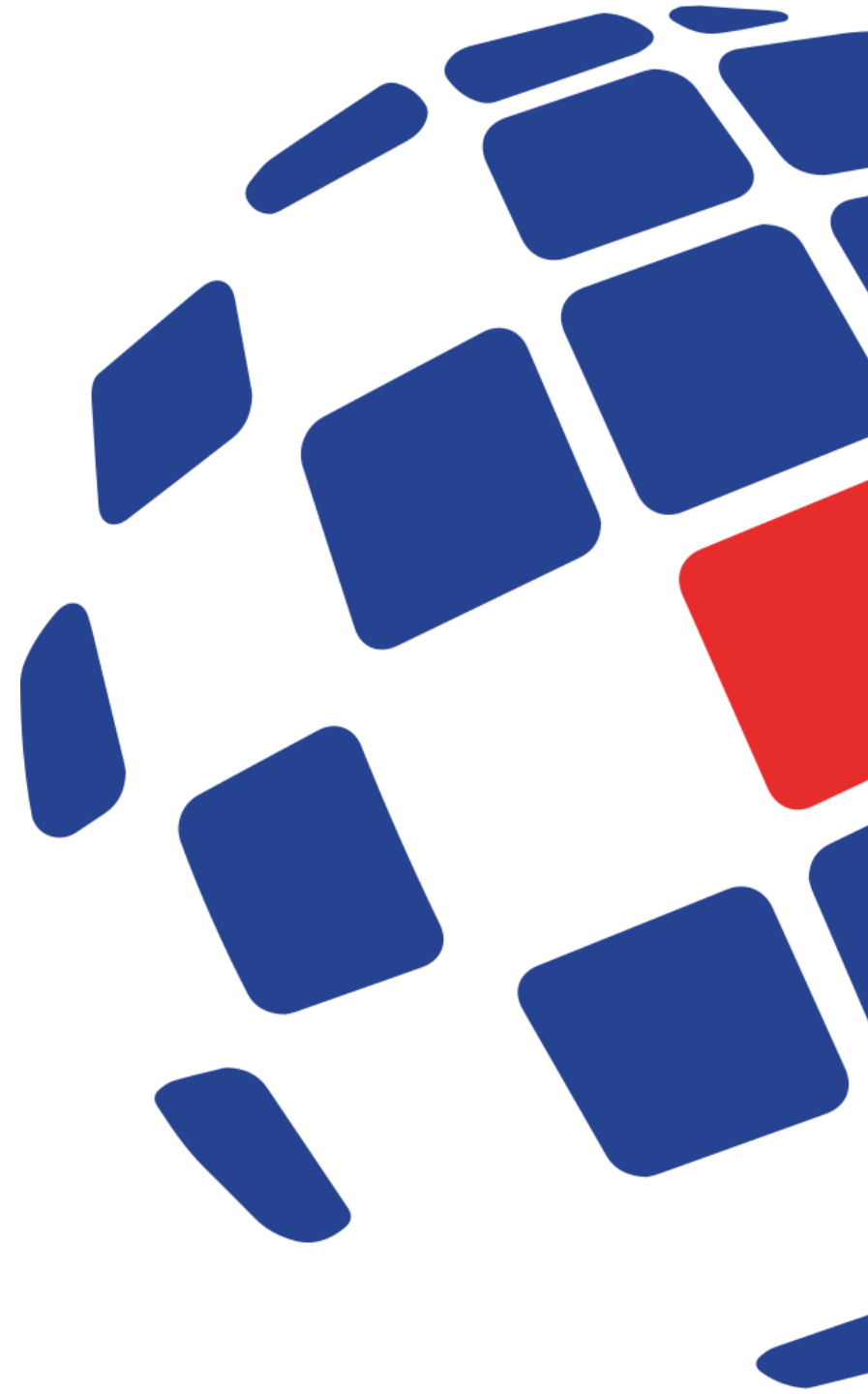




October 2023 - Barbados

The Response Timeline



SIMULATION - EXERCISE ONLY

ALERT ALERT

TNT35 KNHC 220240

TCPAT5

BULLETIN

Tropical Storm Gemma Advisory Number 2

NWS National Hurricane Center Miami FL AL112023

0900 AM GMT Mon Oct 02 2023

...GEMMA GETTING STRONGER ...

SUMMARY OF 300 AM GMT...0300 UTC...INFORMATION

LOCATION...45.1N 36.7W

ABOUT 300 MI...480 KM E OF LEEWARD ISLANDS

MAXIMUM SUSTAINED WINDS...60 MPH...95 KM/H

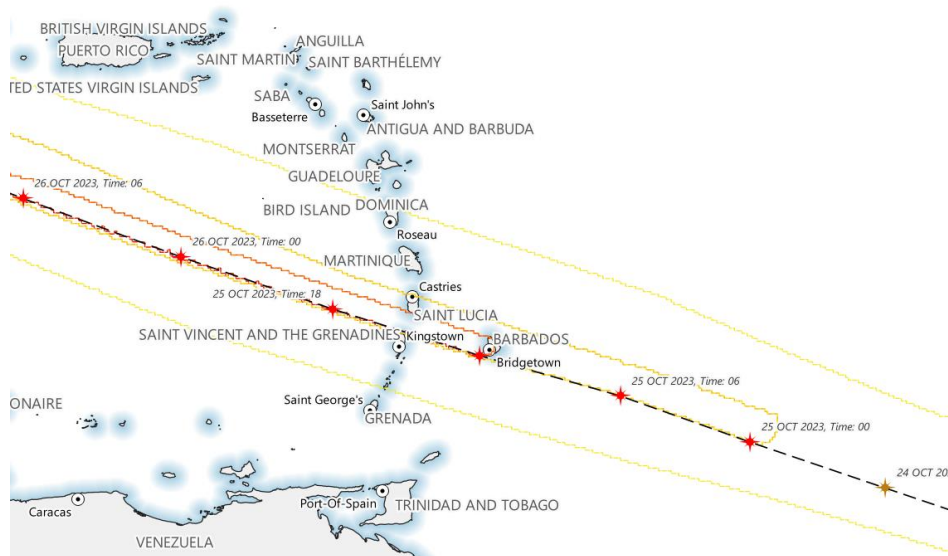
PRESENT MOVEMENT...W OR 275 DEGREES AT 37 MPH...59 KM/H

MINIMUM CENTRAL PRESSURE...979 MB...28.91 INCHES

WATCHES AND WARNINGS

Coastal watches for Barbados, Dominica, Martinique, St. Lucia, Guadeloupe, St. Vincent and the Grenadines

DISCUSSION AND OUTLOOK



SIMULATION OUTLINE

1. We are going to be dipping in and out of simulation all week to give you a flavour of how a response timeline plays out.
2. The storm is predicted at this stage to hit the country in 3 days time.
3. We will play out the storm over the week - there will be time jumps and we shall make sure you know where we are in the response timeline.
4. During the first three days we will help you fulfill any requests.
5. The main simulation will take place on Day 4 of our course, when you will be tested more on what you have learned under a more rapid response
6. There will be a presentation and feedback session at the end of the course

SIMULATION PURPOSE AND BRIEF

- Test the learning
- Provide a simulation of a potential real world scenario
- Give you a feel for working under some pressure to create IM products in rapid time
- Gives you a chance to work as a team
- Test presentation skills.

Background to scenario

- The details of the actual scenario will be revealed as we play the simulation. You see already that we have an approaching hurricane to prepare for. You will be supporting the EOC and the national office
- There will be some short deadlines to deliver products .
- It will be up to you to organise a team leader, identify other roles such as communications, data management etc and divide up tasks as you go.

Approach

- Play this simulation as if it is real.
- We understand there are some “exercise unrealities” .
- Some stuff may not work! Let’s deal with that together!

How do we manage the response timeline?

PRE- IMPACT



3 days out – supposed to pass very close to the island

IMPACT

IMPACT



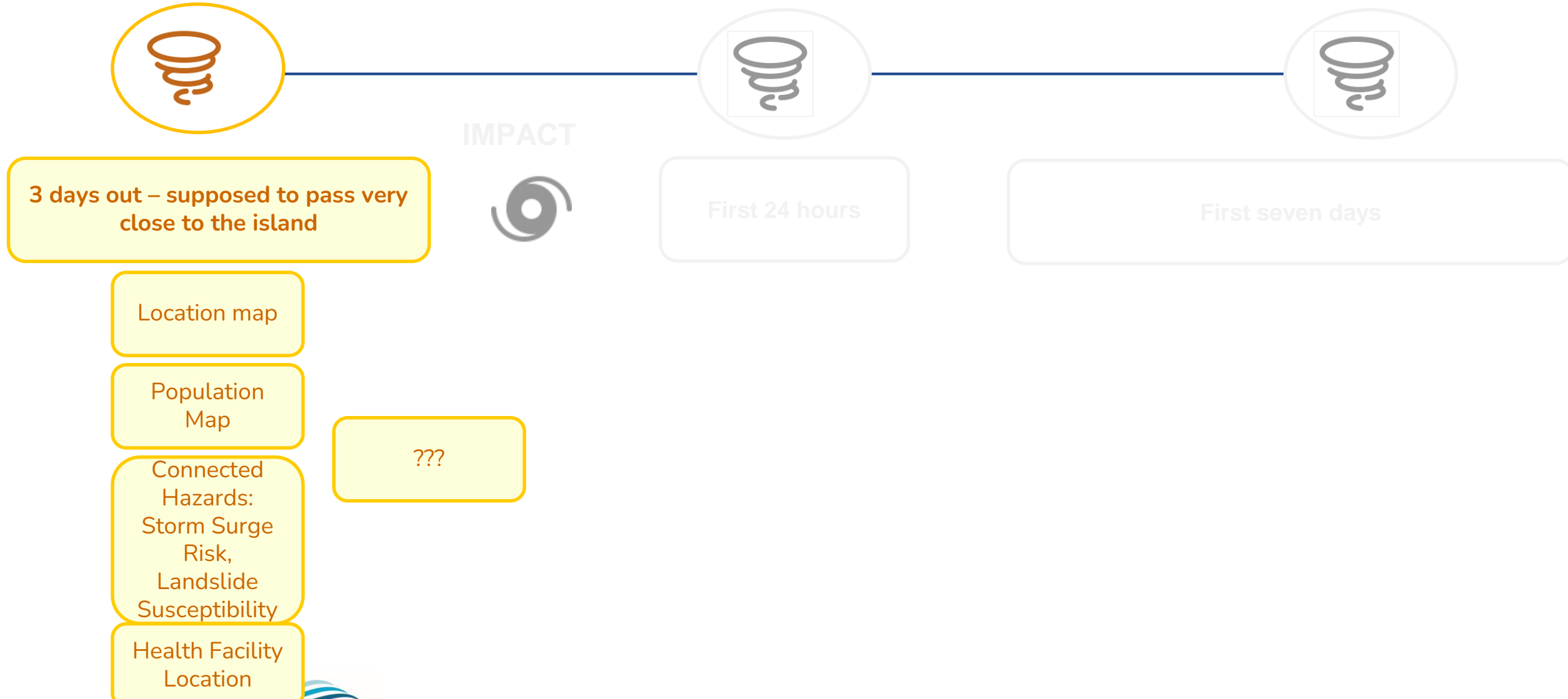
First 24 hours

POST- IMPACT

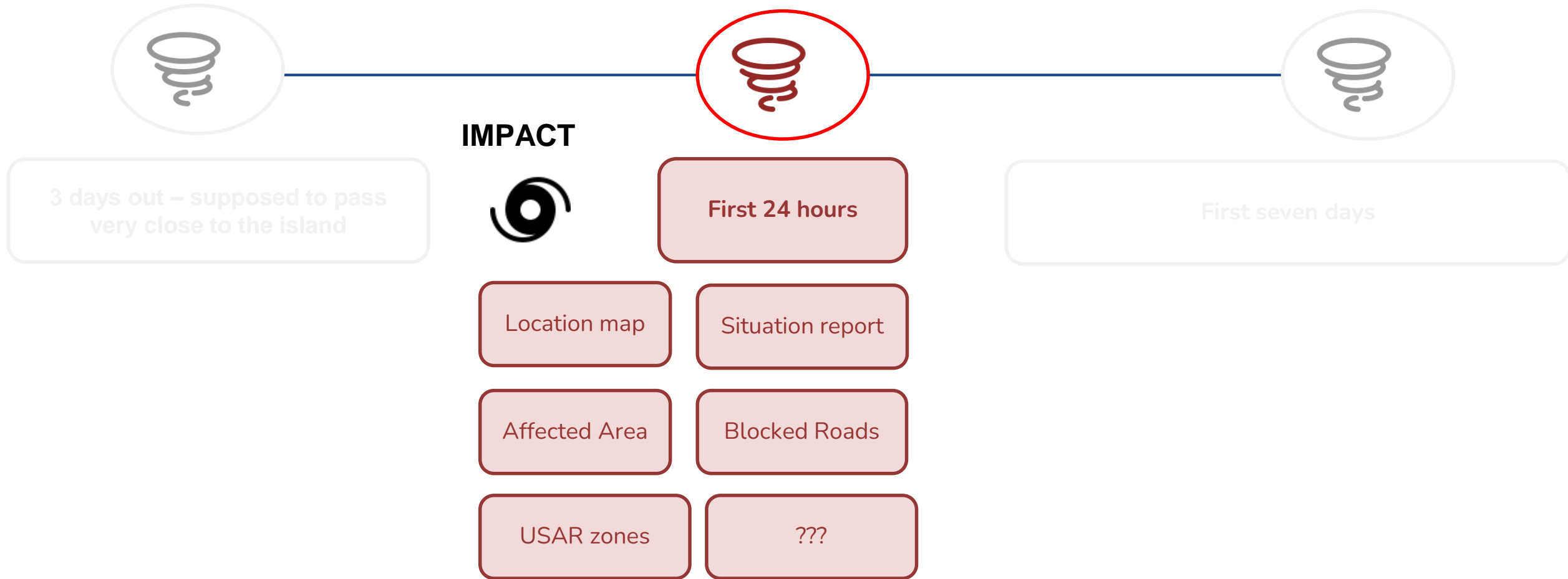


First seven days

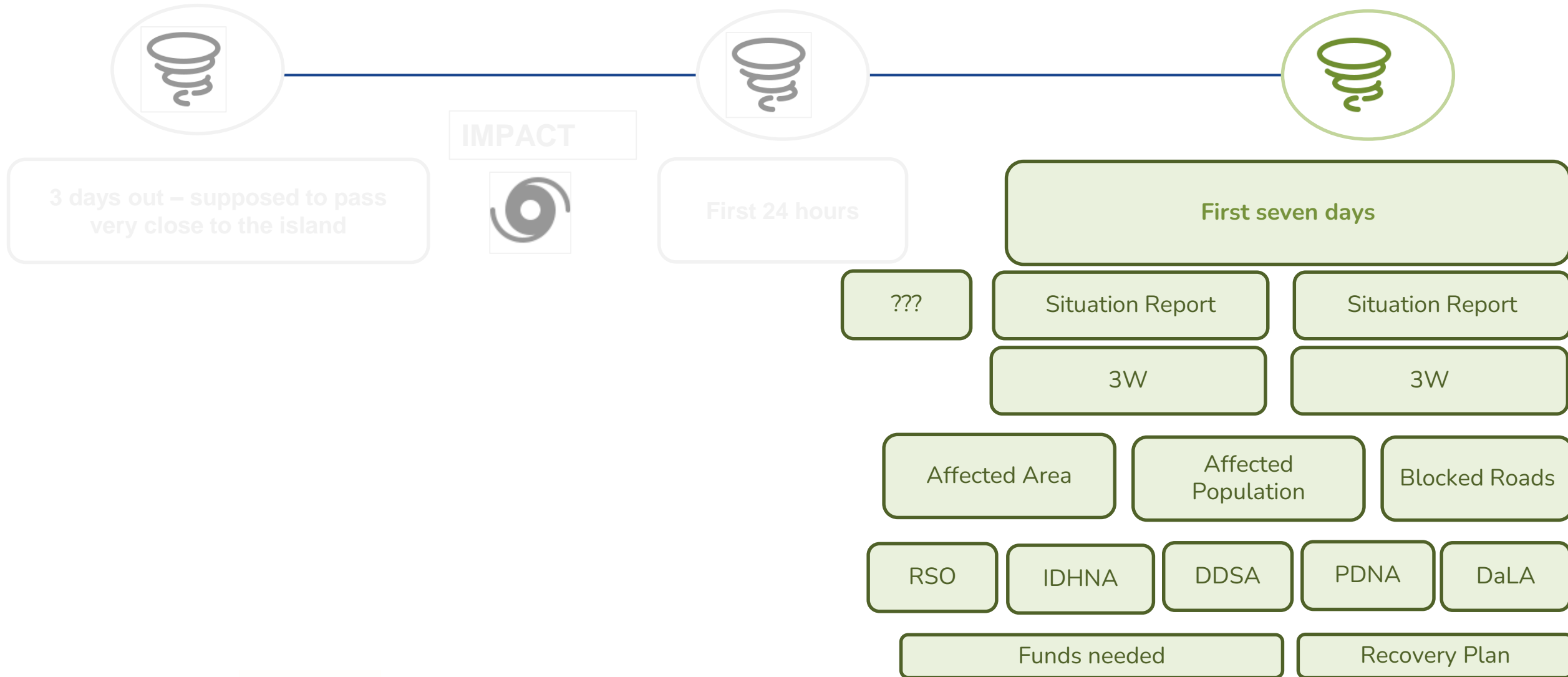
What products do we need?



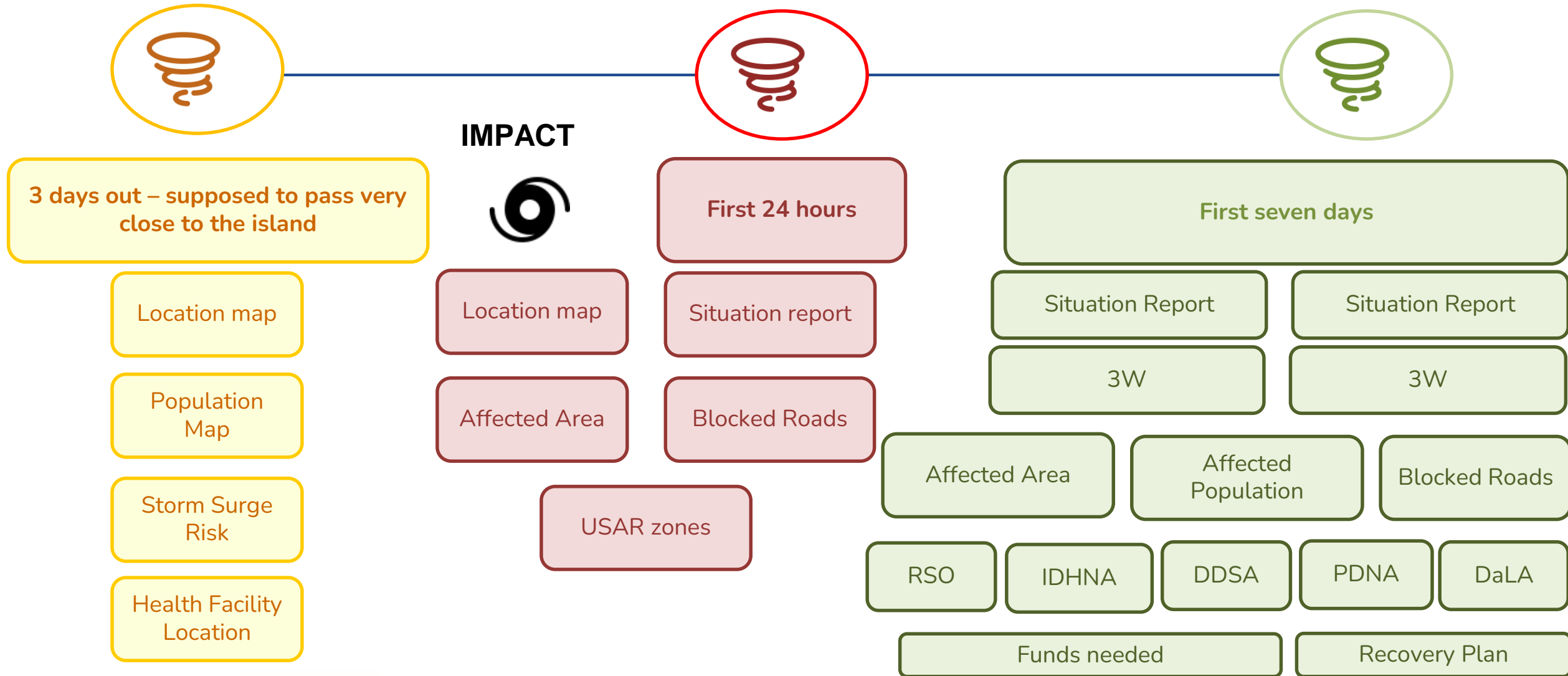
What products do we need?



What products do we need?



What products do we need?



What datasets do we need?



IMPACT



3 days out – supposed to pass very close to the island

First 24 hours

First seven days

Road Network

Population statistics

Hospitals

children by school

Airports

Land Use map

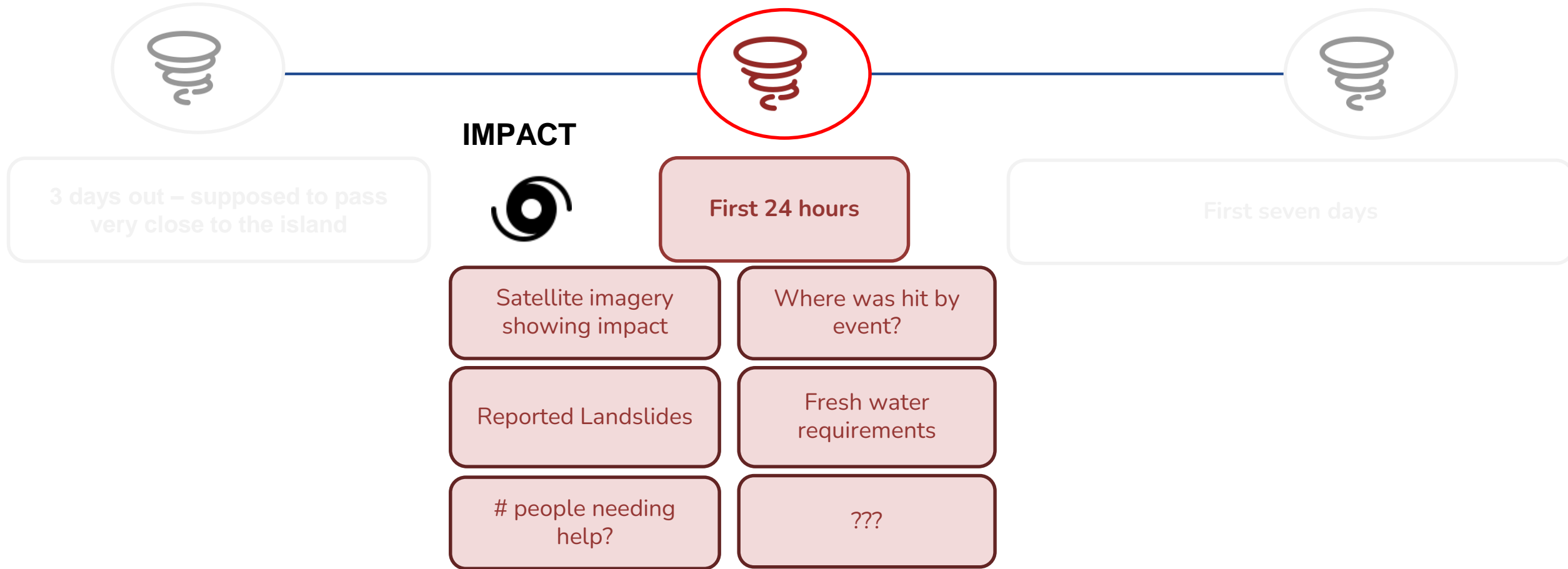
USAR zones

Storm Surge Hazard Map

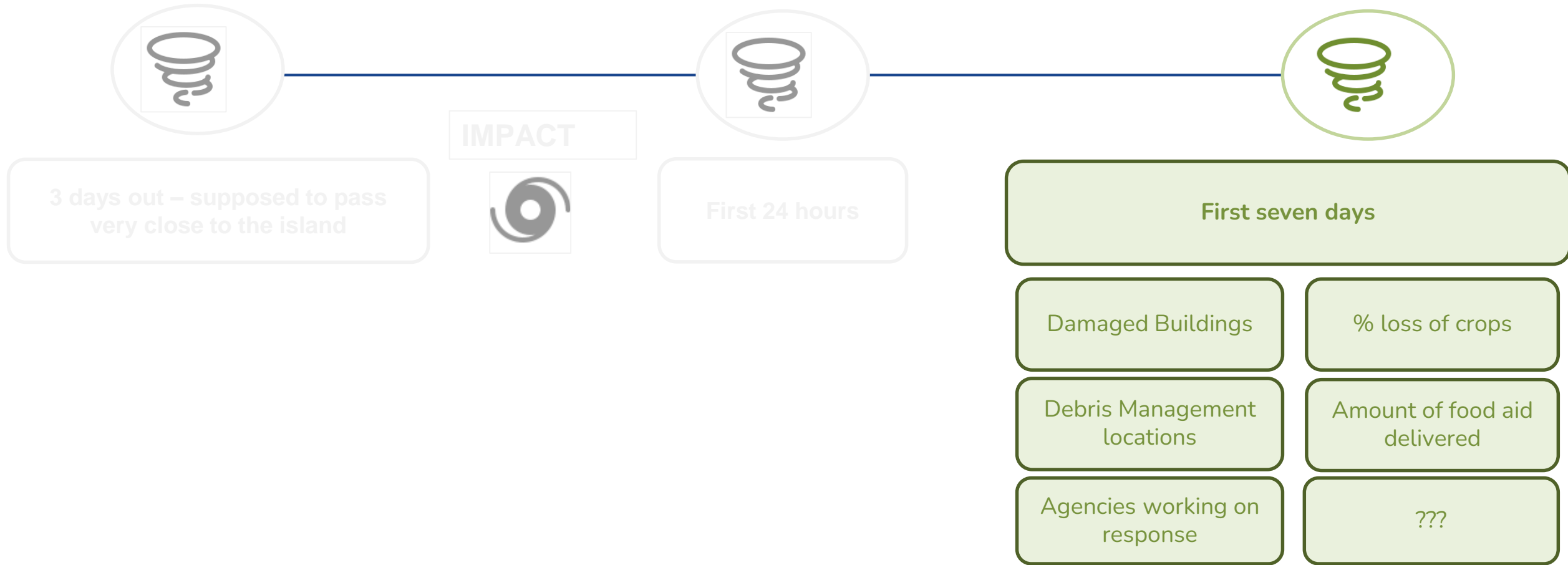
Administrative Areas

???

What datasets do we need?



What datasets do we need?



What datasets do we need?



IMPACT



3 days out – supposed to pass very close to the island

First 24 hours

First seven days

Road Network

Population statistics

Satellite imagery showing impact

Where was hit by event?

Damaged Buildings

% loss of crops

Hospitals

children by school

Reported Landslides

Fresh water requirements

Debris Management locations

Amount of food aid delivered

Airports

Land Use map

people needing help?

Agencies working on response

USAR zones

Storm Surge Hazard Map

Administrative Areas

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