

MONITORING SURVEY FRAMES

- Baseline measurement
- Pilot: **Zeeland / Sloegebied**

Important:

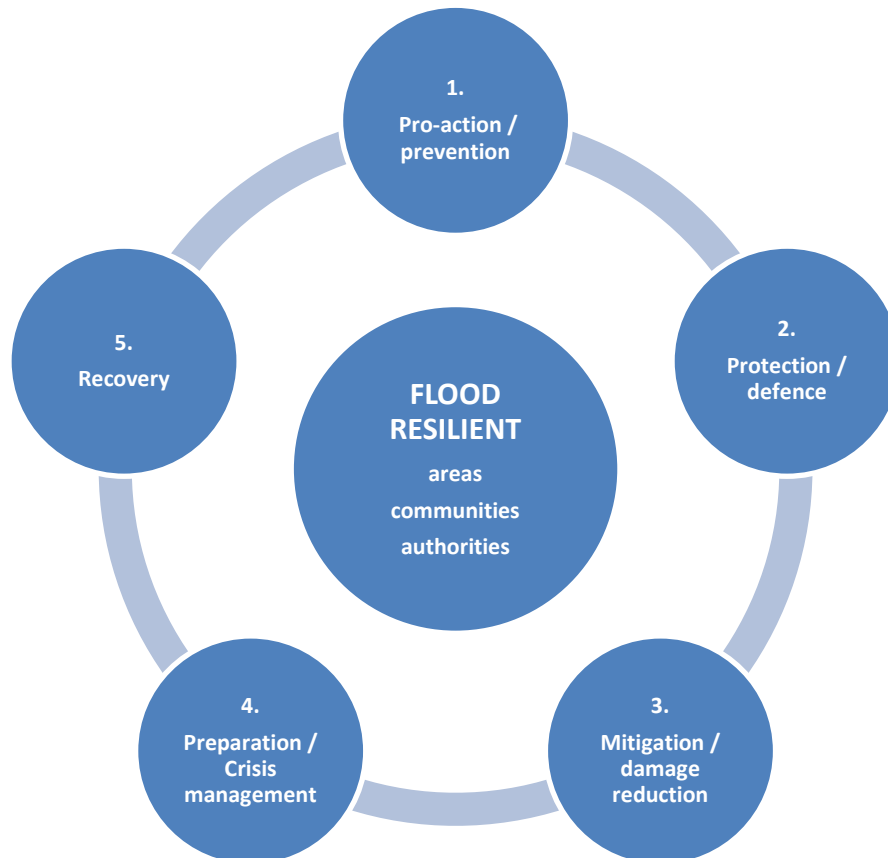
We kindly ask the pilot manager to complete this questionnaire in consultation **with relevant experts/stakeholders in the pilot/region**. The pilot manager can send this questionnaire and ask these experts/stakeholders to complete (certain) questions, or ask them to review answers. **Per pilot we would like to have 1 questionnaire returned.**

Who contributed to completing this questionnaire? Please provide names of persons and their organizations:

	Person	Organization
1	Ruben Akkermans	Province of Zeeland
2	Ingrid de Kubber	Province of Zeeland
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Short explanation

FRAMES is about improving flood resilience by taking different types of actions. A common and well known typology in flood risk management is the disaster management cycle, as shown in the diagram below. This survey first focuses on the flood resilience of areas by considering the five elements proaction (1), protection (2), mitigation (3), preparation (4) and recovery (5). Hereafter, a few questions will be asked with regard to the flood resilience of communities and authorities.



1. Pro-action/prevention

Negative consequences of flooding can be avoided by pro-active spatial planning or land use policies ("keeping people away from water"), aimed at building only outside areas that are prone to flooding.

To what extent is proaction/prevention currently a strong characteristic of the pilot area?

Not at all 1 2 3 4 5 6 7 8 9 10 To a great extent

Please shortly explain your answer:

This harbor/industrial area is on a high level around +5,20 NAP and therefore seen as a rather safe area. But in case of a flooding, the area might be flooded (+/-30 cm).

2. Flood protection/defence

Keeping water away from people by (combinations of) hard infrastructural works (dikes, dams, etc.) or softer (nature based) solutions (dunes, retention in nature areas, etc.).

To what extent is flood protection/defence currently a strong characteristic of the pilot area?

Not at all 1 2 3 4 5 6 7 8 9 10 To a great extent

Please shortly explain your answer:

This harbor/industrial area is on a high level around +5,20 NAP and therefore seen as a rather safe area.

3. Flood risk mitigation

Consequences of floods can be mitigated by a smart design of the flood-prone area including spatial orders, constructing flood compartments, or (regulations for) flood-proof building.

To what extent is flood risk mitigation a strong characteristic of the pilot area?

	<i>Not at all</i>										<i>To a great extent</i>									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Currently																				
Expectation after Frames																				

What will be done in FRAMES with regard to flood risk mitigation, that improves the ... physical resilience in the pilot area?

In this pilot we investigate the possibilities to use this area as a SAFE HAVEN in case of a flooding. How should we design buildings to temporary house people?

... capacities of local organisations / institutions in the pilot area?

More awareness and possible better policy.

... capacities of local communities (citizens, businesses) in the pilot area?

Awareness of the community. Self-resilience grows. The Sloe-area could function as a SAFE HAVEN for citizens from a nearby lower area in Middelburg (Mortiere).

4. Flood preparation

Consequences of floods can be mitigated by preparing for adequate response to a flood event. Measures include flood warning systems, disaster management and evacuation/rescue plans, and managing a flood when it occurs by taking last call emergency measures (e.g. sand bags).

To what extent is flood preparation a strong characteristic of the pilot area?

	<i>Not at all</i>										<i>To a great extent</i>
	1	2	3	4	5	6	7	8	9	10	
Currently								8			
Expectation after Frames									9		

What will be done in FRAMES with regard to flood preparation, that improves the

... physical resilience in the pilot area?

In this pilot we investigate the possibilities to use this area as a SAFE HAVEN in case of a flooding. We would like to know how to evacuate people to this SAFE area and to house them.

... capacities of local organisations / institutions in the pilot area?

Awareness rises and possible better policy

... capacities of local communities (citizens, businesses) in the pilot area?

Awareness of the community. Self-resilience grows. The Sloe-area could function as a SAFE HAVEN to safe citizens from a nearby lower area in Middelburg (Mortiere).

5. Flood recovery

Facilitates a good and fast recovery after a flood event. Includes plans for draining / pumping away flood water and restoring safety and security, plans for reconstruction or rebuilding critical infrastructure, damage compensation/insurance systems, return of evacuated communities and social-psychological support.

To what extent is flood recovery a strong characteristic of the pilot area?

	<i>Not at all</i>									<i>To a great extent</i>
	1	2	3	4	5	6	7	8	9	10
Currently		2								
Expectation after Frames						6				

What will be done in FRAMES with regard to flood recovery, that improves the

... physical resilience in the pilot area?

We don't expect that the Sloe area will be flooded, but the flooding will have impact on the surrounding area. This has impact on the vital infrastructure which is vital for the Sloe area.

... capacities of local organisations / institutions in the pilot area?

We don't expect that the Sloe area will be flooded, but the flooding will have impact on the surrounding area. This has impact on the local organisations / institutions in the pilot area

... capacities of local communities (citizens, businesses) in the pilot area?

We don't expect that the Sloe area will be flooded, but the flooding will have impact on the surrounding area. This has impact on the local organisations / institutions in the pilot area, there are hardly citizens living in the Sloe area

Flood resilience of authorities

Please name the organisations / stakeholders that will be involved in your pilot:

	Organization
1	Province of Zeeland
2	Zeeland Seaports
3	Rijkswaterstaat
4	Veiligheidsregio
5	HZ
6	Waterboard
7	Private companies in the Sloe area
8	Transport companies
9	Owners of infrastructure
10	

In general, to what extent is flood risk mitigation embedded in policy and practice of these organisations, in your opinion?

	<i>Not at all</i>										<i>To a great extent</i>
Currently	1	2	3	4	5	6	7	8	9	10	10
Expectation after Frames	1	2	3	4	5	6	7	8	9	10	10

Please shortly explain your answer:

Improvement by FRAMES results is expected. Pilot will be started in 2018

In general, to what extent is flood preparation embedded in policy and practice of these organisations, in your opinion?

	<i>Not at all</i>										<i>To a great extent</i>
Currently	1	2	3	4	5	6	7	8	9	10	10
Expectation after Frames	1	2	3	4	5	6	7	8	9	10	10

Please shortly explain your answer:

Investigation of this is part of pilot, which will be started in 2018

In general, to what extent is flood recovery embedded in policy and practice of these organisations, in your opinion?

	<i>Not at all</i>										<i>To a great extent</i>
Currently	1	2	3	4	5	6	7	8	9	10	10
Expectation after Frames	1	2	3	4	5	6	7	8	9	10	10

Please shortly explain your answer:

Investigation of this is part of pilot, which will be started in 2018

Flood resilience of local communities

Please name the communities (e.g., neighbourhoods, municipalities) that will be involved in / informed about your pilot(s), and how many citizens they consist of:

	Community	Number of citizens (approximately)
1	Neighbourhood of Mortiere, Middelburg	2000
2	Municipality of Borsele	22.716
3	Municipality of Vlissingen	33.000
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In general, to what extent is flood risk mitigation embedded in the behaviour of these communities, in your opinion?

	<i>Not at all</i>										<i>To a great extent</i>
	1	2	3	4	5	6	7	8	9	10	
Currently						6	7				
Expectation after Frames						6	7				

Please shortly explain your answer:

Is aim of FRAMES pilot, which will start in 2018

In general, to what extent is flood preparation embedded in the behaviour of these communities, in your opinion?

	<i>Not at all</i>										<i>To a great extent</i>
	1	2	3	4	5	6	7	8	9	10	
Currently						6	7				
Expectation after Frames						6	7				

Please shortly explain your answer:

Is aim of FRAMES pilot, which will start in 2018

In general, to what extent is flood recovery embedded in the behaviour of these communities, in your opinion?

	<i>Not at all</i>										<i>To a great extent</i>
	1	2	3	4	5	6	7	8	9	10	
Currently		2					7				
Expectation after Frames		2					7				

Please shortly explain your answer:

We don't focus on resilience of the communities, but on the safe haven possibilities in the Sloe area.

**END OF SURVEY
THANK YOU!**