

# SLAMDAM

## A Rapidly Deployable Water-Filled Flood Barrier

An innovative approach to enhance resilience and reduce vulnerability to floods.

### 01 INTRODUCTION

#### Challenges to enhance resilience to floods



Insufficient financial support



Lack of effective flood measures



Limited access to flood data



Lacking knowledge and capabilities



Climate change increases flood risk

#### Mission

Create sustainable societies where people and the environment flourish



#### Objectives

- Enhance resilience and reduce vulnerabilities to floods
- Develop mechanism to monitor benefits from flood resilient solutions
- Strengthen capabilities to manage the risk of flooding

### 02 SOLUTION



#### About SLAMDAM

- ✓ Water-filled flood barrier
- ✓ Unique and patented design
- ✓ Made out of EPDM (synthetic rubber)
- ✓ Has an elasticity of 400%
- ✓ Is UV and ozone resistant

#### Approach

Analyse flood risks using state-of-the-art software

Develop or enhance flood early warning system

Evaluate where and when to deploy SLAMDAM

Enhance institutions' and people's capabilities to be self-reliant in managing flood risks

Deploy SLAMDAM to prevent flood damages

### 03 BENEFITS AND UNIQUE FEATURES

- ✓ Flood damages decreased
- ✓ Mechanism in place to monitor benefits from flood measures
- ✓ Enhanced capabilities

#### Unique Features SLAMDAM



Is highly effective (Certified technology)



Can rapidly be deployed and dismantled



Can be customised



Has a lifespan of 50+ years



Material is 100% recyclable



Is multi functional e.g. to store water

### 04 KEY MESSAGES

In 2020 floods caused USD 51.3 BIO worth of damages worldwide and the risk will increase worldwide due to climate change (IPCC report 2021)

Institutions and people don't have resources and capabilities to enhance resilience to floods

SLAMDAM effectively enhances resilience to floods and can be used to reduce damages worldwide

The technology is internationally used and recognized

This innovation also manages drought risk by storing water and reuse it at a different time or location