Logistics Data Sharing
Supporting Disaster Management

A Leading Edge Programme Event
HNPW 29 APR–10 MAY 2024
Humanitarian Networks & Partnerships Weeks

ie

ESUPS

dubai humanitarian
دبي الإنسانية

ASYREC
RELIEF CONSIGNMENTS

IMPACCT
IMPortation And Customs Clearance Together !

Introduction

Logistics Data Sharing
Supporting Disaster Management

Martin Keitsch

Martin has worked over 20 years in humanitarian emergencies and civil protection response and capacity strengthening in over 30 countries. Since 2017, he is working with the Global Logistics Cluster, currently leading the "Community Solutions" team on humanitarian software.

Florent Chané

Florent has been working in humanitarian logistics for the last 23 years, for INGOs, the logistics Cluster and the Red Cross movement. He has been leading the ESUPS project since 2018.

John David

John has been working for the UNCTAD ASYCUDA Programme for the last 26 years, involved in the development and support of its Customs IT system and other software components.

Jehad Abd Almaula

During his 16 years career, Jehad has played an important role in delivering and adding value projects to the humanitarian sector, such as the Humanitarian Logistics Databank.

Virginie Bohl

As the coordinator of IMPACCT, hosted by the Global Logistics Cluster, Virginie is supporting disaster-prone countries and humanitarian organizations to be comprehensively prepared to manage customs clearance and importation processes for humanitarian aid.

Content

Logistics Data Sharing
Supporting Disaster Management

1. **What concept was presented last year**
2. **Power of collaboration: What we can offer now**
3. **Demo Scenario Vanuatu**
   - a) Preparedness Phase
   - b) Anticipation Phase
   - c) Response Phase
   - d) Next Steps & Conclusions

Idea presented in HNPW 2023

Regional Stocks

(Humanitarian Databank)

- Information Sharing
- Preparedness
- Coordinated Response

Emergency relief Importation

(Relief Actors)

- Readiness
- Response
- Preparedness

National Stocks

(STOCKHOLM Platform)

- Preparedness
- Localisation
- Joint Pre-positioning Strategies

Logistics Infrastructure

(Operational Information Gateway)

- Localised & international data
- Operational infrastructure info
- Live field reports

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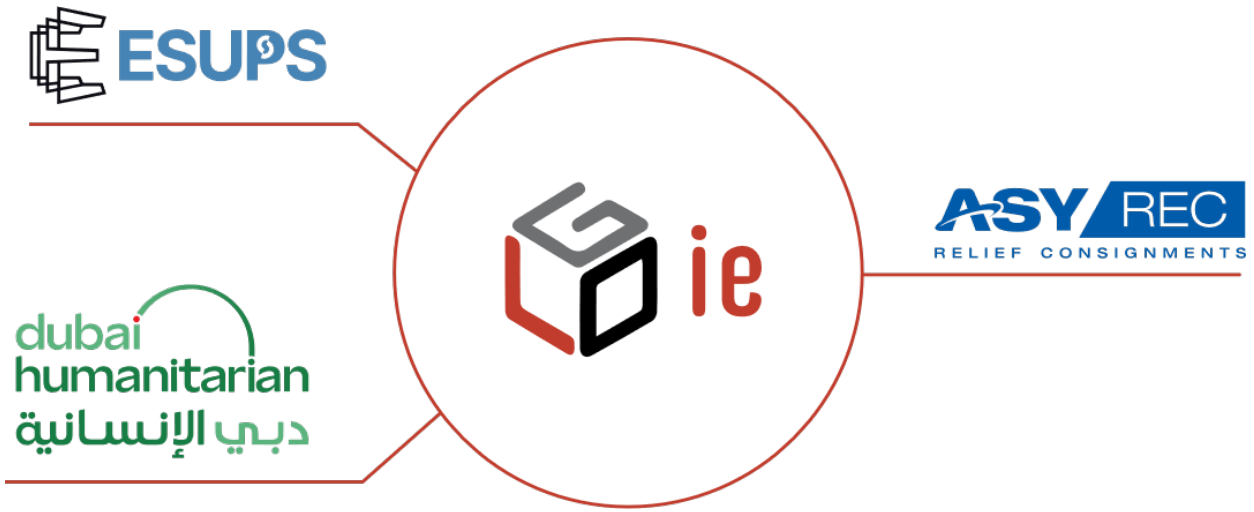
What we can offer now

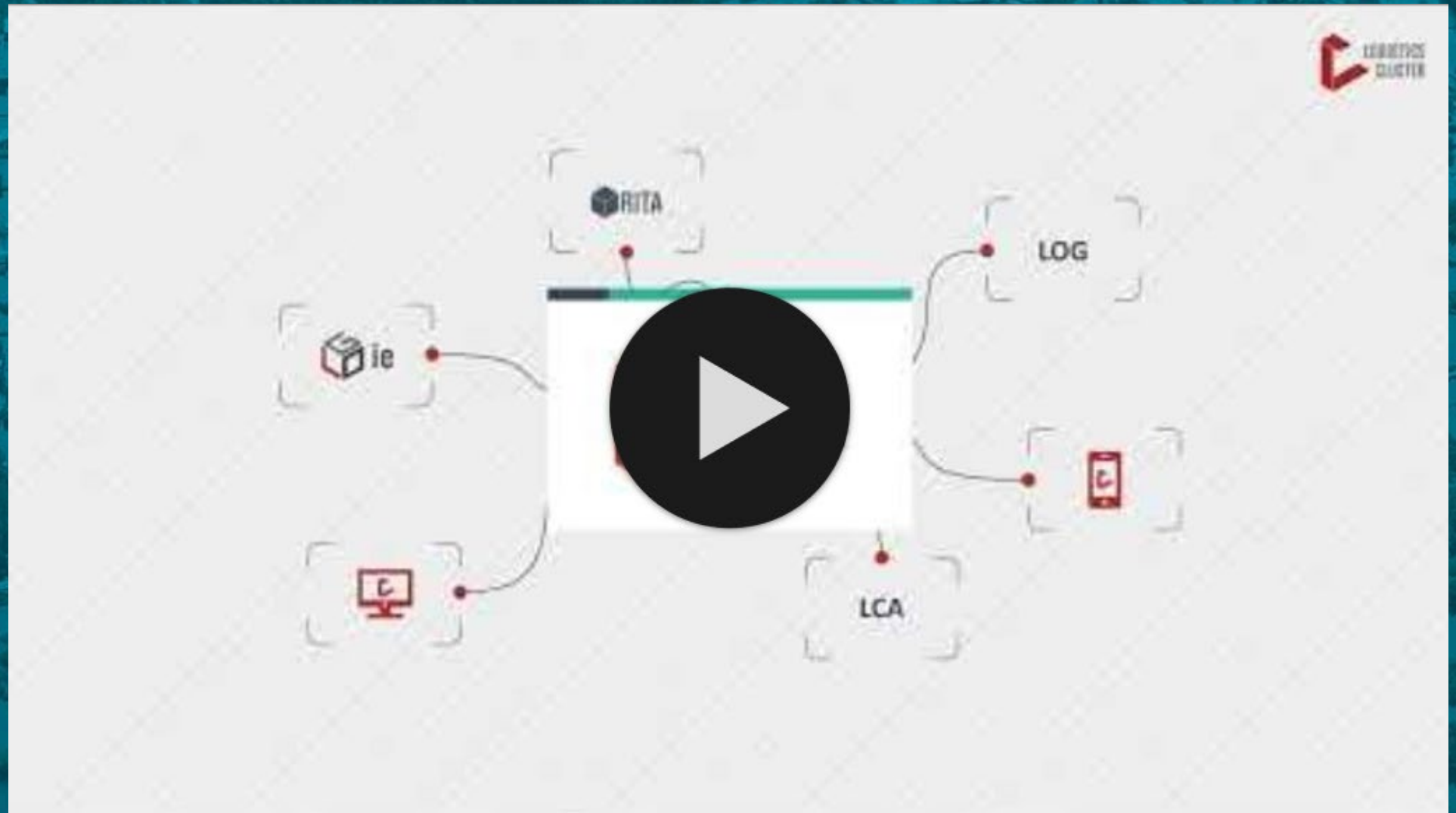
From This….

To This….

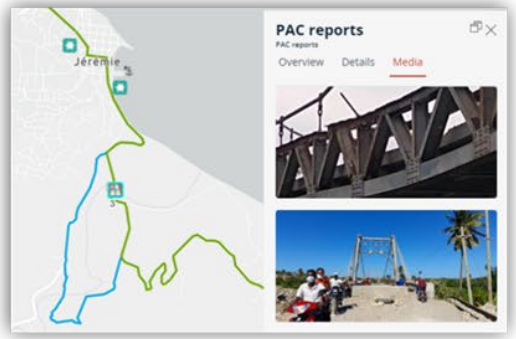


Information community

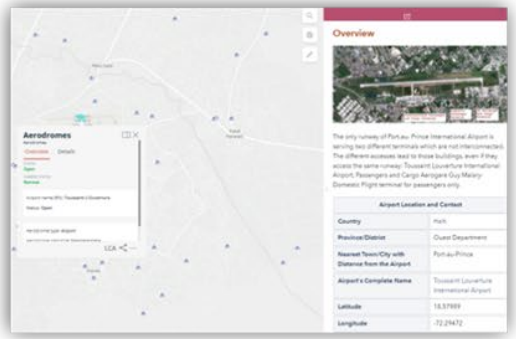
LogIE in 90 Seconds



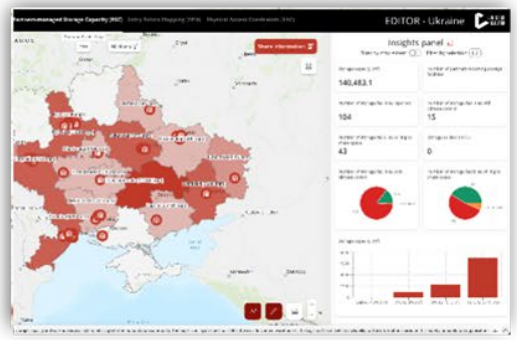
Example Information Products



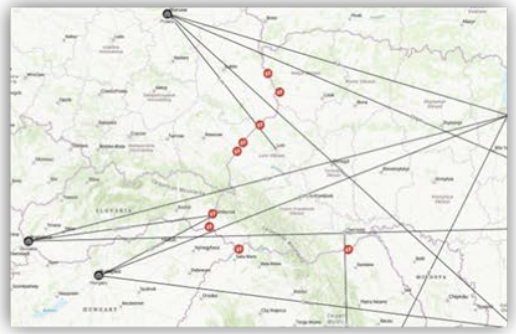
Physical Access Constraints



Logistics Capacity Mapping

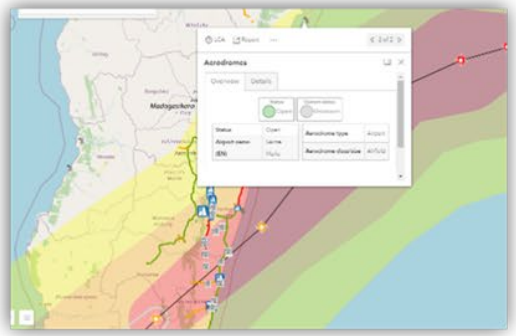


Storage Capacity Mapping



Entry/Exit point mapping

Concept of Operations



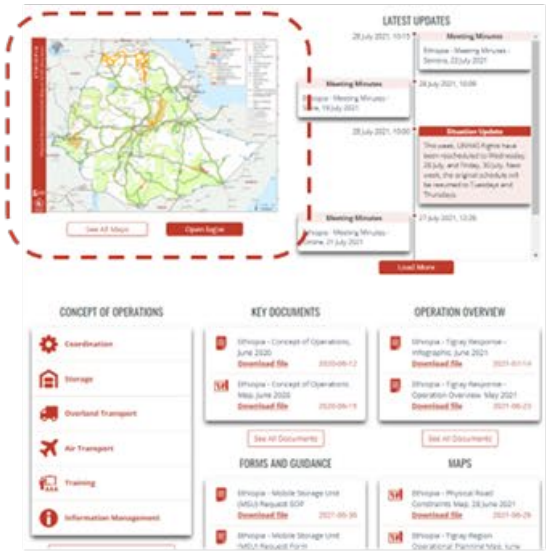
Situation Monitoring

LogIE as ...

a free standing tool for Logistics Cluster community

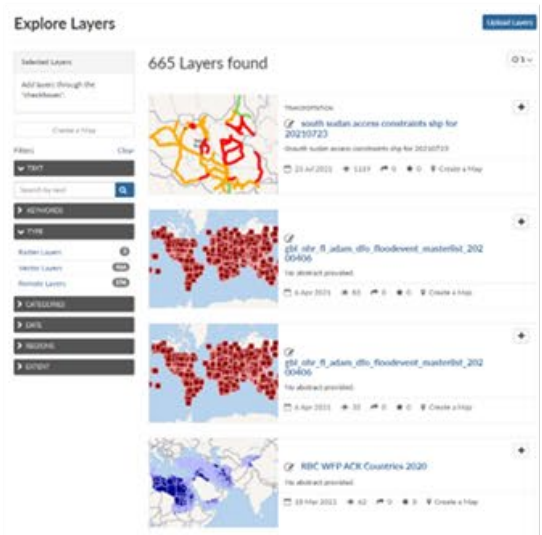
- Sudden-onset emergencies
- Operations (GLC, partner, local)
- Preparedness
- Readiness & monitoring
- Analytics
- *Simulation*

an integrated information service



- Embedded interactive map
- Infographics
- Live updates & monitoring
- Link to tabular information
  e.g. auto-updating visualisation of Excel tables, e.g. CEPU

an open data gateway (via API gateway)

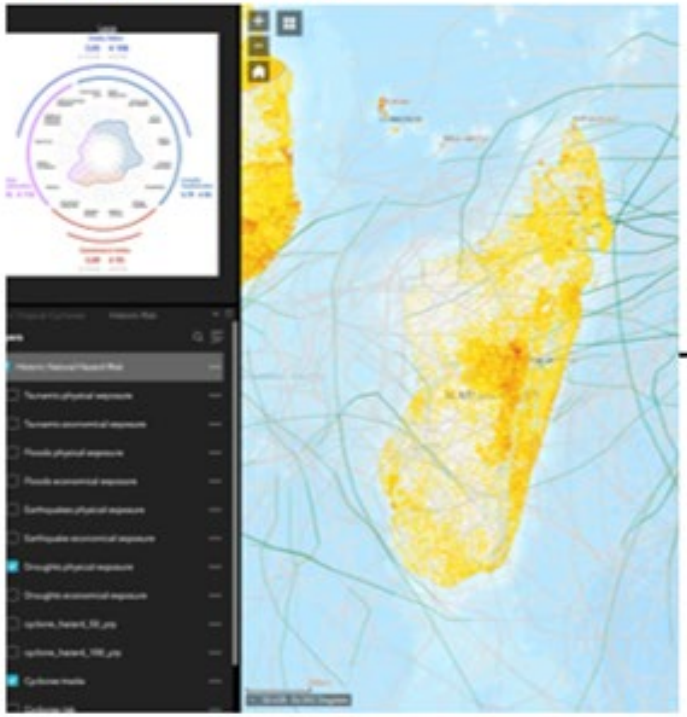


- Any tool or platform can directly access & exchange LogIE data
- API for data access for analytics
  e.g. Tableau, PowerBI, ...
- *Portal data shop*

Global Logistics Cluster

Integrated information process

Preparedness

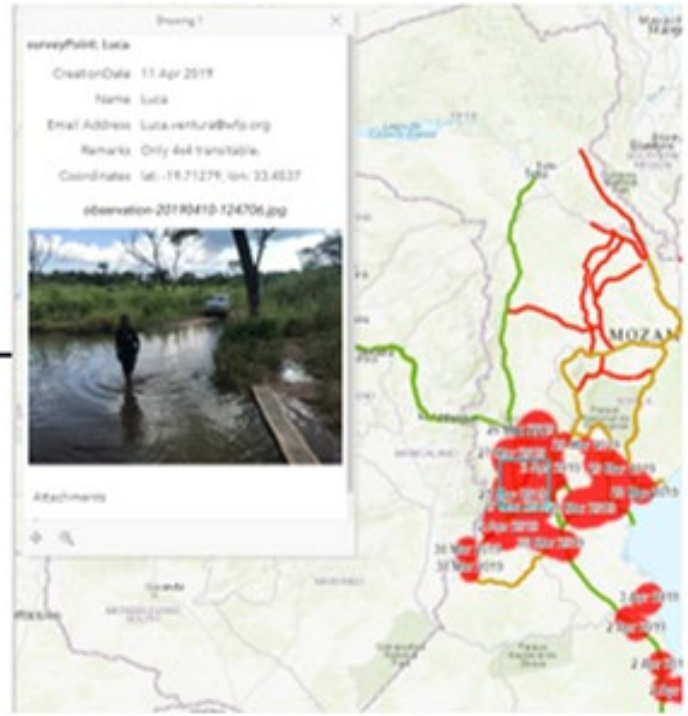


Data collection, analysis, planning

Readiness

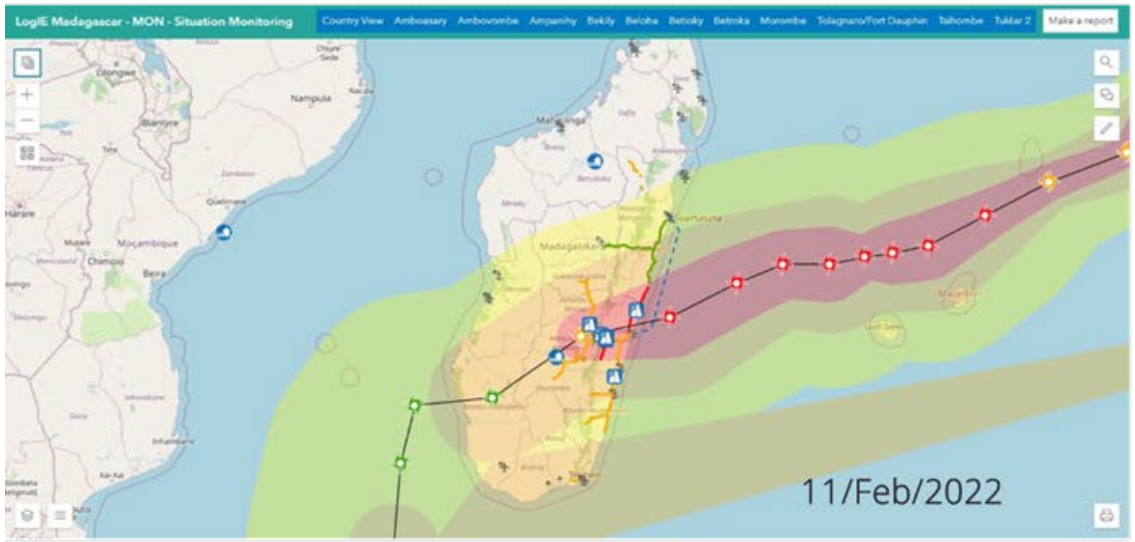
Simulation, scenario analysis, CONOPS

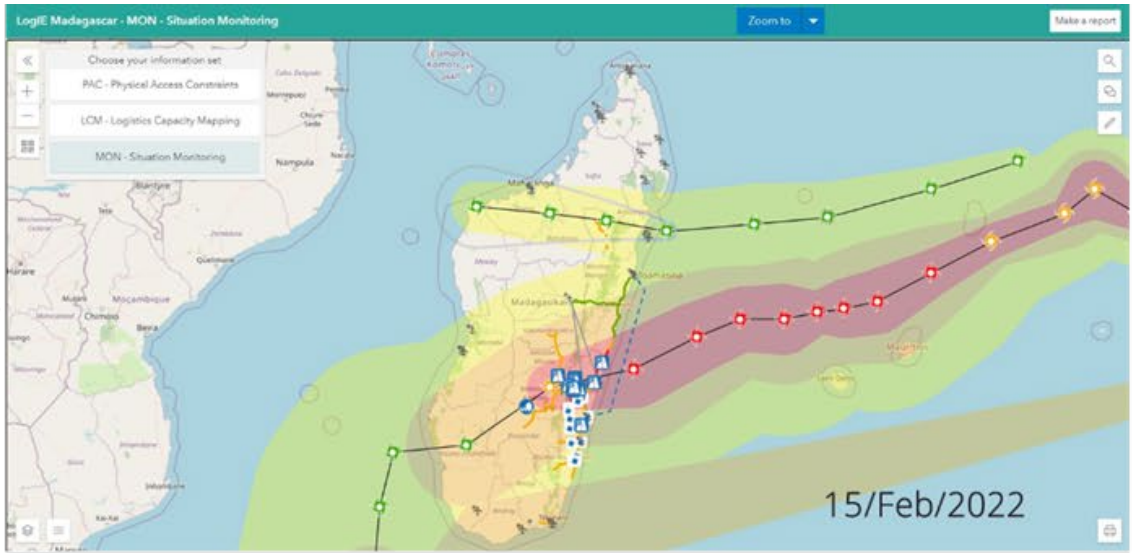
Response

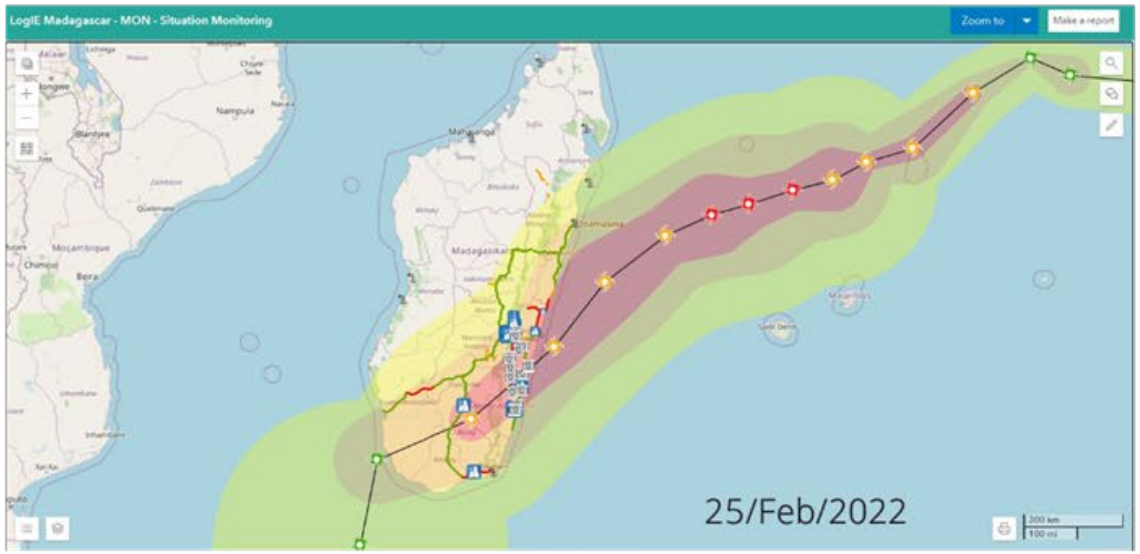


Situational data collection and provision
Operational information support
Operational analysis

Batsirai Response 2022







LogIE added-value as the central gateway to visualize community data

- **Streamlined data processing:** LogIE automates end-to-end information processing, allowing faster access to crucial logistics data for the entire humanitarian community.
- **Vertical integration:** The platform connects national and international actors, as well as deep-field and national responders' headquarters, promoting seamless coordination.
- **Horizontal integration**: LogIE fosters collaboration between various stakeholders through data model standardization, information sharing, and direct cross-platform data integration.
- **Improved lead-time:** With end-to-end processing and data automation, LogIE reduces lead-time by over 85%, enabling quicker decision-making and response.
- **Resource efficiency:** The platform lowers processing resources by over 90% by integrating information provision, validation, and publishing in an easy-to-use interface.
- **Timely updates:** LogIE offers near-real-time updates and live information via REST endpoints, ensuring users have access to the latest data.
- **Customizable maps:** The platform supports automated, on-demand map rendering, allowing users to create tailored maps for their specific needs with minimal effort.

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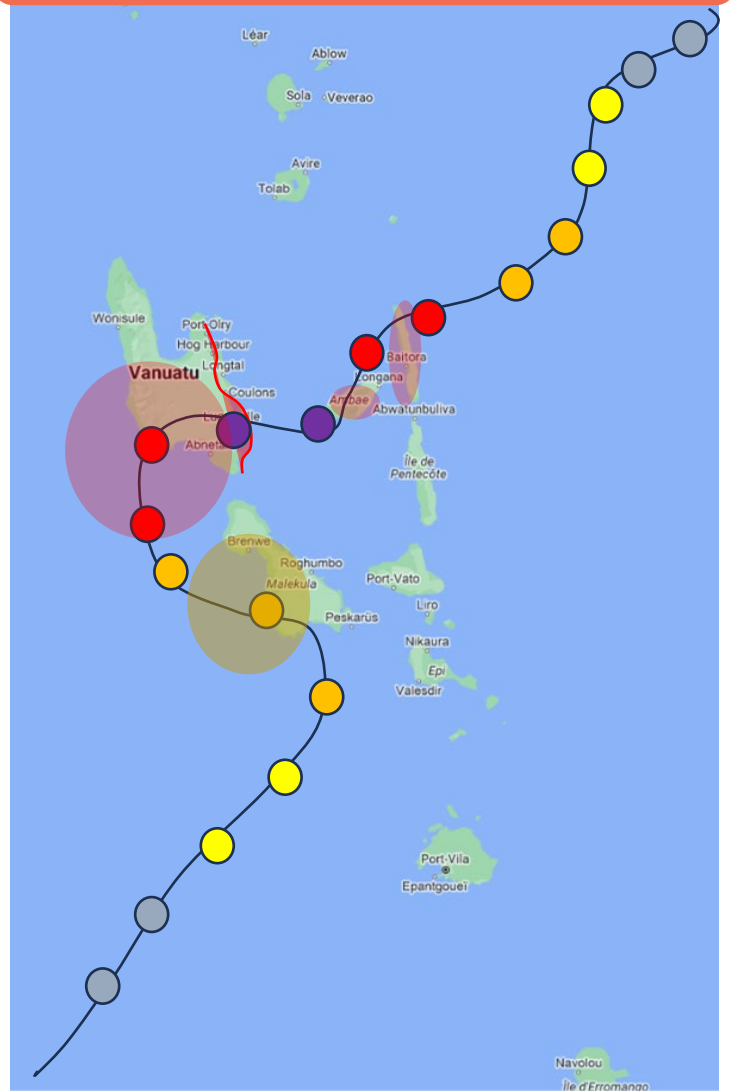
A large cyclone event – Attracting international support

Cyclone in Vanuatu



Preparedness

Collective prepo strategy/ prep cyclone season (No cyclone yet)

Anticipation

- Cyclone information bullet #1. Potential landing in 6 days as a category 5 – potential affected provinces: **Maewo, Ambae, Espiritu Santo, Malekula**
- **Potential affected people:**
  - Sanma (Espritu Santo) province: 50,000 pple // 10,000 HH
  - Penama province (Maewo, Ambae): 10,535 pple // 2,107 HH
  - Malampa province (Malekula) : 24,000 pple // 4,800 HH

  => Total : 107,000 pple // 21,400 HH
- **Anticipated Relief Items most needed:**
  - Buckets/ Dignity Kits/ Hygiene kits/ kitchen sets / Mosquito nets/ Shelter kits/ Tarpaulins/ Water Containers

Response

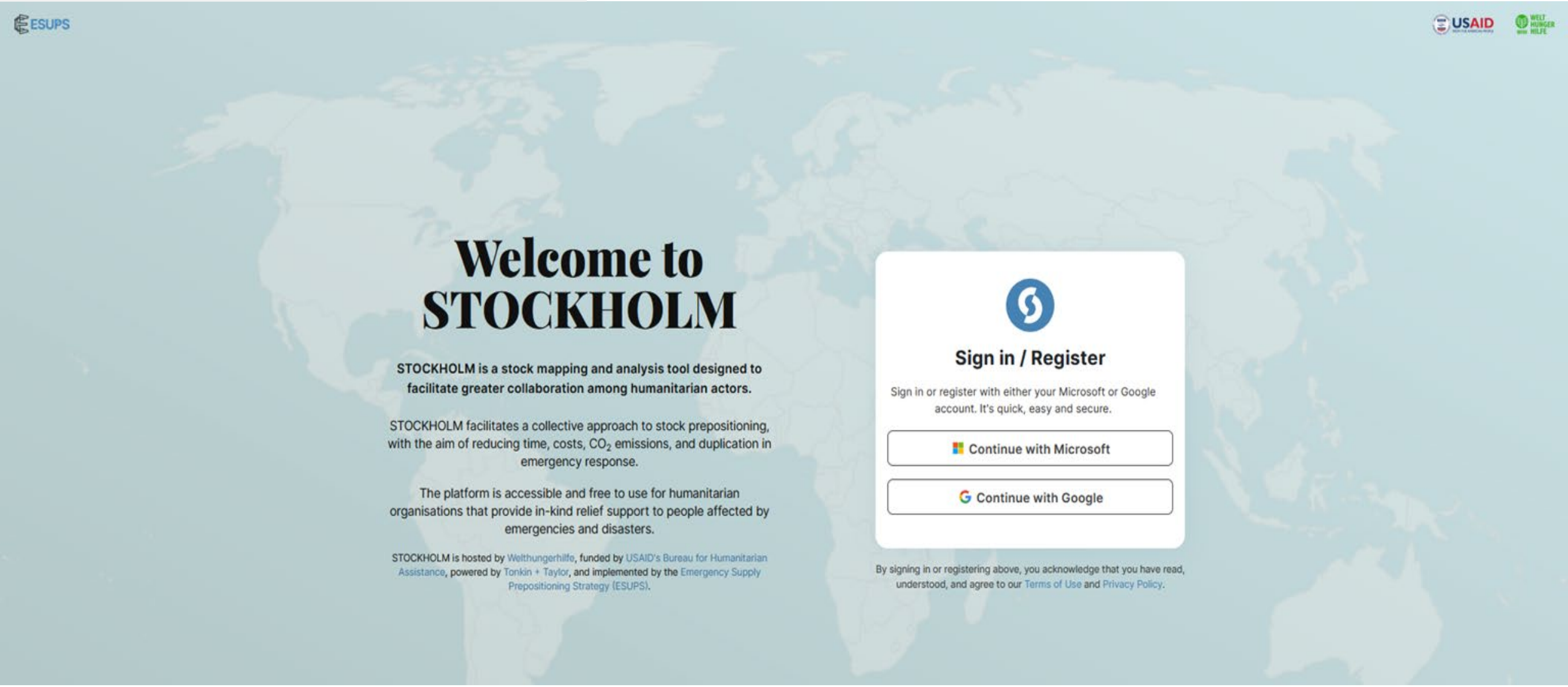
- **Distribution of stocks ready**
- **Needs Assessment = ASYREC**
- **Trigger support from Dubai Humanitarian**

STOCKHOLM in a few minutes…

VANUATU – STOCKHOLM

ESUPS

Preparedness Phase



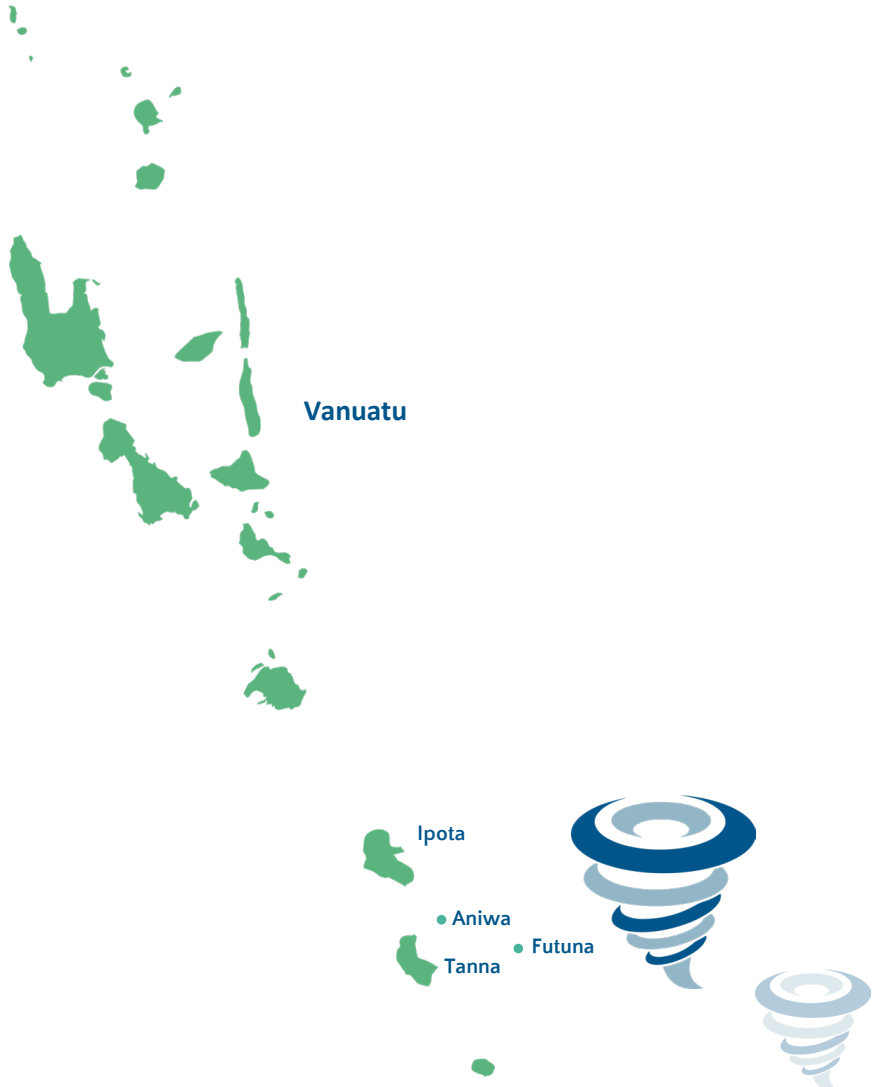
VANUATU – ASYREC

ASYREC RELIEF CONSIGNMENTS

Preparedness Phase

PREPAREDNESS PROCESS

- Identify and continuously update list of priority relief items as established by the Government of Vanuatu
- Define border/customs procedures and simplifications
- Prepare and update list of Authorised Operators – Early action
- Share information about border crossing points and working hours of border agencies, including the notification of temporary closure of ports/airports



VANUATU – ASYREC

ASYREC RELIEF CONSIGNMENTS

Preparedness Phase

	ASYREC Activity	Actors	Country Situation
Preparedness Phase	• Establish list of Emergency Relief Items, including their respective HS Codes	NDMA	NDMO Vanuatu
	• Set applicable Border/Customs procedures and simplifications, in line with the OCHA Customs Model Agreement	Customs Administration	Department of Customs and Inland Revenue
	• Self-register as organisation potentially involved in relief operations/Apply for simplifications and facilitations	Operators (NGO's, IGO's, UN Agencies etc.)	Operators
	Authorise organisations eligible to use: • Simplified Customs Declarations for Relief Consignments • Relief from import duties for goods imported for humanitarian purposes, and • Temporary Admission for disaster relief consignments	NDMA, Customs Adminstration	NDMO Vanuatu, Department of Customs and Inland Revenue

VANUATU – ASYREC

ASYREC RELIEF CONSIGNMENTS

Preparedness Phase

Tasks – In Sequence

NDMO, Vanuatu Customs

1. Establish list of Emergency Relief Items, including their respective HS Codes

Vanuatu Customs

2. Set applicable Border/Customs procedures and simplifications, in line with the OCHA Customs Model Agreement

Operators

3. Self-register as organisation potentially involved in relief operations/Apply for simplifications and facilitations

Vanuatu Customs

4. Authorise eligible operators

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What we can offer now

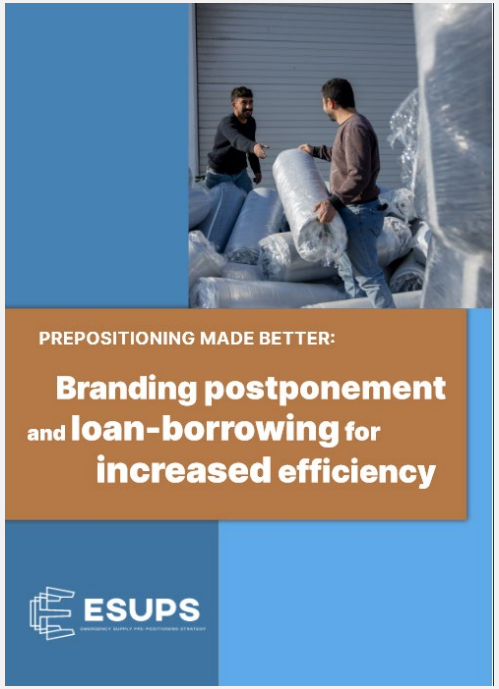
NMDO Actions

After receiving the first alert on the cyclone potential track and impact, the Vanuatu NDMO will take coordination actions and look for information and data:

- Convey a Logistics Working group (or cluster) meeting to discuss the alert, potential impact and potential anticipated actions to take
- Search for information on available stocks (their own + partners) in the potentially affected area
- Ask each individual partners to share their stocks details in the potentially affected area + in the rest of the country
- Evaluate the potential number of affected people/families
- Evaluate the desire by partners to take anticipated stock-related actions
- Refer to their contingency plans to:
  - Contact transporters to evaluate their capacities/ get quotes to transport stocks before the cyclone hit
  - Assess military and polices forces capacities (transport, warehousing, staff, etc..)
  - Assess private sector potential support
  - Assess potential external support for additional stocks (Regional stocks, Global stocks, etc…)
  - Etc…

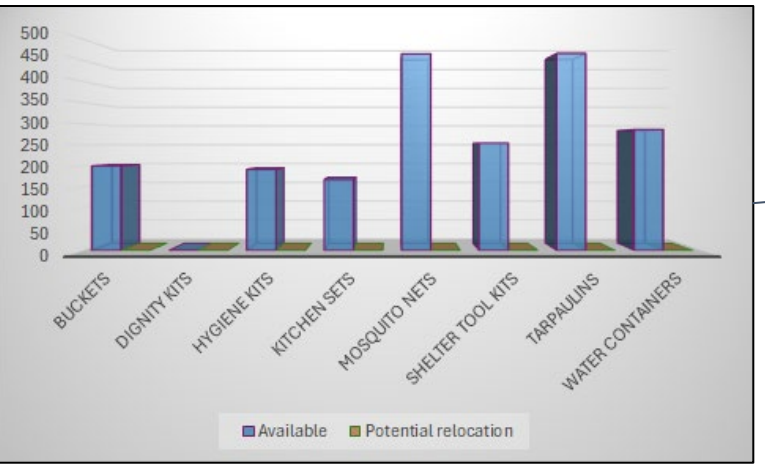
ÖZYEĞİN UNIVERSITY

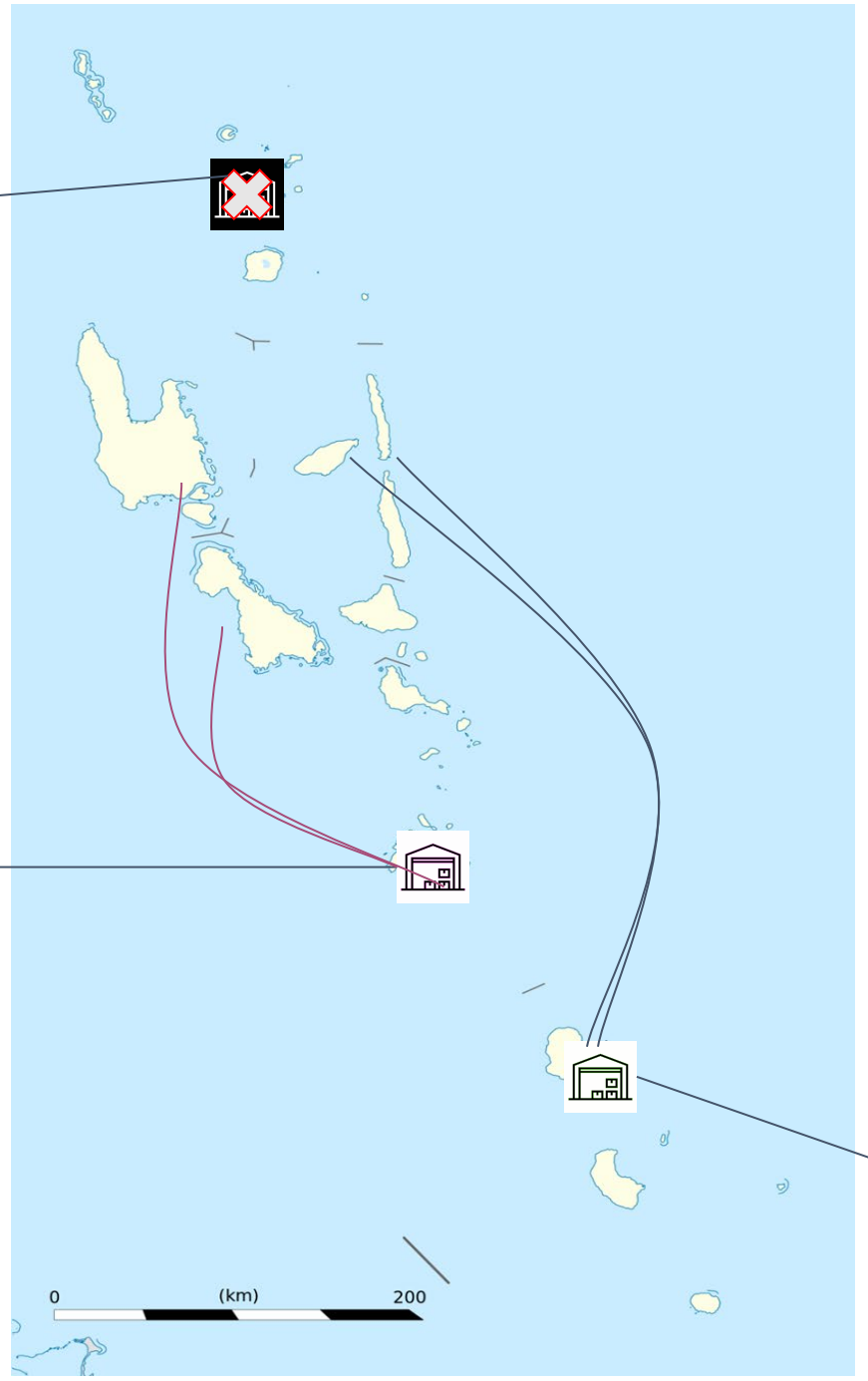
HEC MONTRÉAL

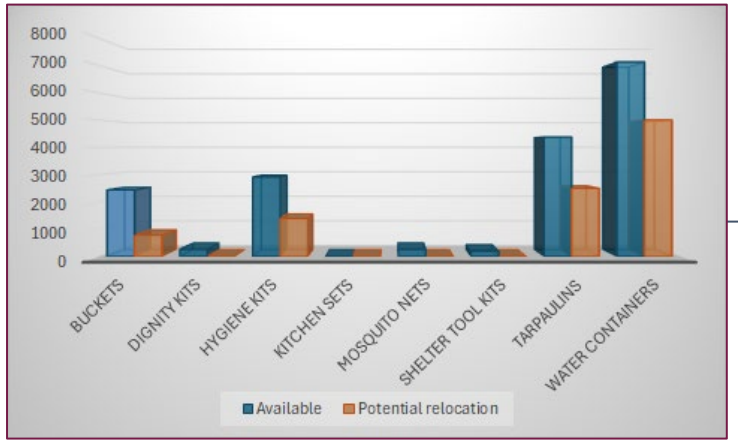


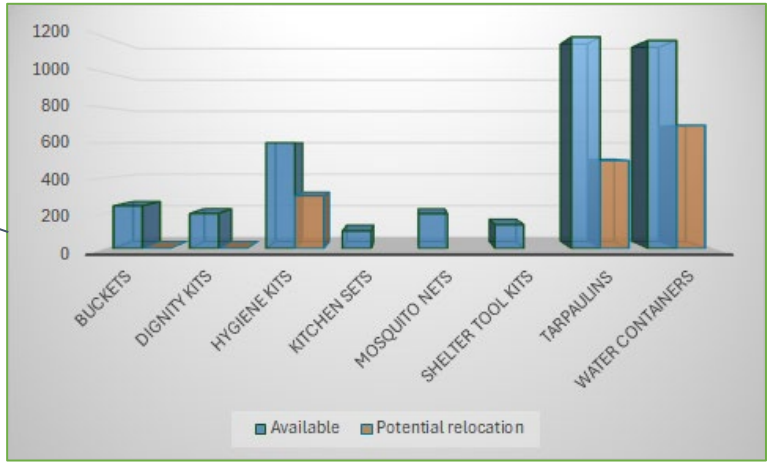
- **Ponderation table**
  - Localised and contextualised data
  - Fine-tune findings from general analysis
  - Provide anticipation recommendations
    - Stock Relocation
    - No regret basis
    - Collective decision

Anticipation/Readiness Phase









What we can offer now

What we can offer now

Dubai Humanitarian Actions

- Providing Data and information on the quantity of the current available stock
- Providing Data and Information on the location of the available stock
- Providing Data and information on the owner of the available stock

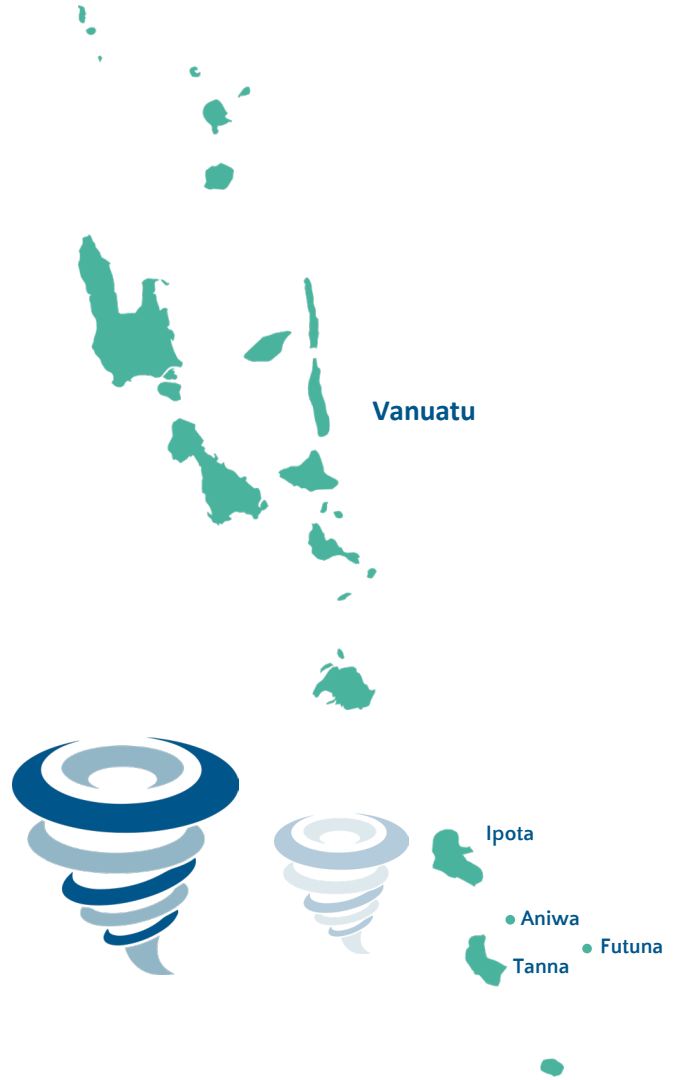
VANUATU – ASYREC

ASY REC RELIEF CONSIGNMENTS

Anticipation/Readiness Phase

ANTICIPATION

- Review border/customs procedures and simplifications
- Review information about past events of the same nature, relief items and volume of importations
- Register government priority needs for the anticipated event, including estimated volume/quantity
- Alert relevant Government Regulatory agencies for the humanitarian effort
- Notify International or bilateral partners



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What we can offer now

Response Phase

NMDO Vanuatu Actions

- Please list the actions you would be taking or information you would need in such a situation
- Compare with what you can now find in Log:IE
- Needs Assessment
- Request external assistance
- Convey cluster meeting
- etc…

What we can offer now

Dubai Humanitarian Actions

In addition to Providing Data and information on the quantity of the current available stock, location and owner of the stock

- Provide data and information on what have been dispatch already in terms of items and quantity, this will help in:
  - Enhancing the response
  - Better response coordination
  - Avoid overlapping which result in saving time efforts and cost

Humanitarian Logistics Databank

Bridging Humanity

Mohammed Bin Rashid Al Maktoum Global Initiatives

dubai humanitarian دبي الإنسانية

By Hub	By Member	By Year	By Month	By Frequency	By Destination Country
All	All	2024	May	YTD	All

Available Stocks | Outbound | Countries Reached | Summary

$ Value | Beneficiaries

Search

- Select all
- Afghanistan
- Algeria
- Angola
- Armenia
- Australia
- Bangladesh
- Bhutan
- Burundi

Water & Sanitation	Shelter	Health	Food Security	Emergency Telecoms	Logistics	Protection
$2M	$8M	$12M	$7M	$2M	$9M	$557K
Value US$	Value US$	Value US$	Value US$	Value US$	Value US$	Value US$

Countries Reached

Product Cluster	Value US$	Qty
Education	$246,013	8,819
Emergency Telecoms	$1,622,549	20,073
Food Security	$7,334,128	20,116,065
Health	$11,542,153	650,441
Logistics	$9,158,156	24,734
Protection	$556,575	25,076
Shelter	$8,008,370	735,456
Water & San.	$1,647,309	395,515
Total	**$40,115,253**	**21,976,179**

Food Security	Education	Emergency Telecoms	Logistics	Protection
$7M	$246K	$2M	$9M	$557K
Value US$	Value US$	Value US$	Value US$	Value US$

Product Cluster	Value US$	Qty
Education	$246,013	8,819
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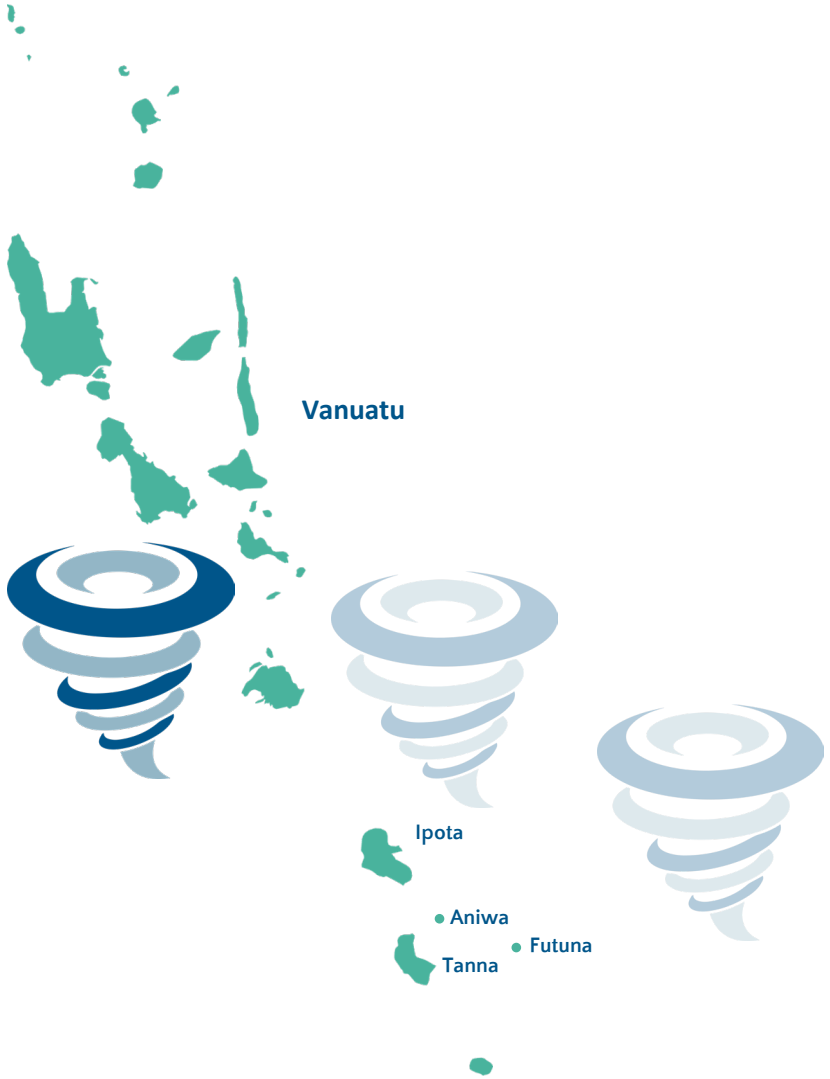
Emergency Response Process – ASYREC

ASYREC RELIEF CONSIGNMENTS

Response Phase

EMERGENCY RESPONSE PROCESS

- Register the Emergency initiation, government priority needs including their volume/quantity
- Certify operator participation (Bona Fide Certificate). Associate a list of authorised organisations (UN, IGO, NGOs) with the emergency
- Authorized Operators to lodge electronic Simplified Declaration before arrival of relief goods
- Report and Validate Arrival of Relief Goods
- Share information about border crossing points and working hours of border agencies, including the notification of temporary closure of ports/airports



Emergency Response Process – ASYREC

ASYREC RELIEF CONSIGNMENTS

Response Phase

	ASYREC Activity	Actors	Country Situation
Response Initiation	• Register emergency initiation, duration of emergency, government priority relief items, including quantities; Activate list of eligible organizations (Certify operator participation - Bona Fide Certificate)	NDMA	NDMO Vanuatu OCHA/UN Agency
	• Pre-arrival lodgement of electronic customs declarations directly or through eligible organisations' representatives, with consignment flagged as humanitarian relief	Operators (NGO's, IGO's, UN Agencies etc.)	Operators
	• Process arrival with coordination of controls, using risk-management techniques, through fully automated processing and release of goods by Customs	Customs Administration	Department of Customs and Inland Revenue

Emergency Response Process – ASYREC

ASYREC RELIEF CONSIGNMENTS

Response Phase

NDMO

1. Register emergency initiation, duration of emergency, government priority relief items, including quantities; Activate list of eligible organizations

Operators

2. Pre-arrival lodgement of electronic simplified customs declarations directly or through eligible organisations' representatives, with consignment flagged as humanitarian relief

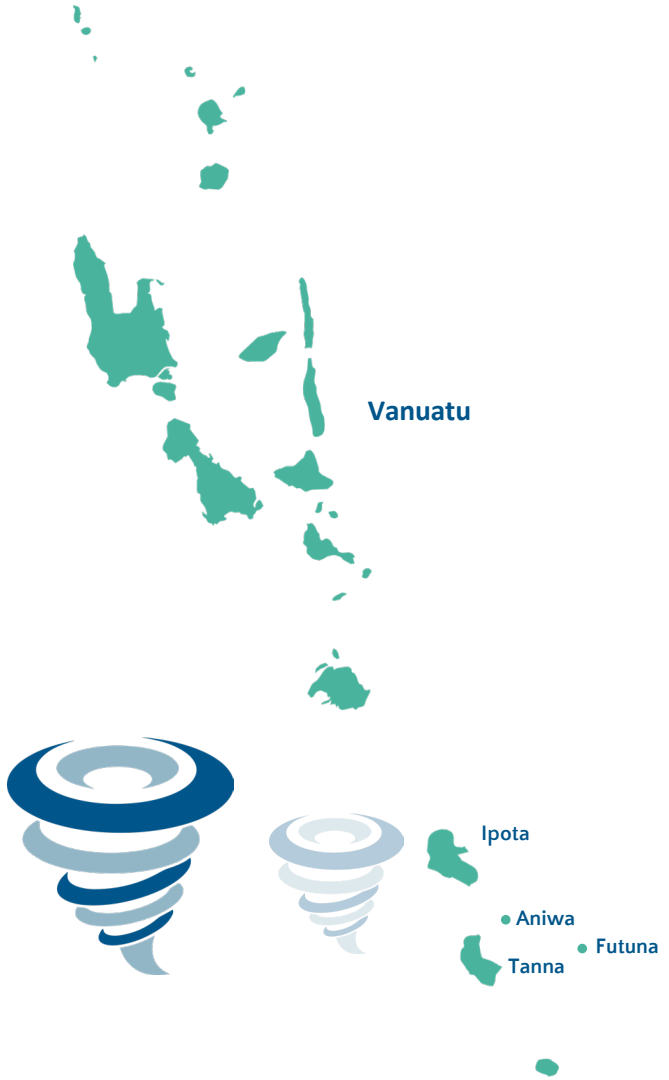
Vanuatu Customs

3. Process arrival with coordination of controls, using risk-management techniques, through fully automated processing and release of goods by Customs

ASYREC Response Phase

TERMINATION OF EMERGENCY

- Record end of the Emergency/Simplification procedure
- Notify Actors end of Emergency and its termination
- Assess Humanitarian effort through Post-Clearance Audit
- Lessons learnt generates Recommendations for all Authorized Operators, Customs, Agencies and NDMO/NDMA applicable on future emergencies



Termination of Emergency – ASYREC

ASYREC RELIEF CONSIGNMENTS

Response Phase

	ASYREC Activity	Actors	Country Situation
Response termination	• Record the end of Emergency Procedure	NDMA	NDMO Vanuatu
	• Perform post-audit and assessment of humanitarian operators' compliance	Customs Administration	Department of Customs and Inland Revenue
	• Update list of priority items and eligible organisations as required	NDMA & Customs Administration	NDMO & Department of Customs and Inland Revenue

Termination of Emergency – ASYREC

NDMO Vanuatu

1. Record the end of Emergency Procedure

Vanuatu Customs

2. Perform post-audit and assessment of humanitarian operators' compliance

NDMO & Vanuatu Customs

3. Update list of priority items and eligible organisations as required

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Sustaining Collaboration:

Enhancing Stockpile Data Sharing and System Integration

Aligning Stakeholder Needs with Solutions:

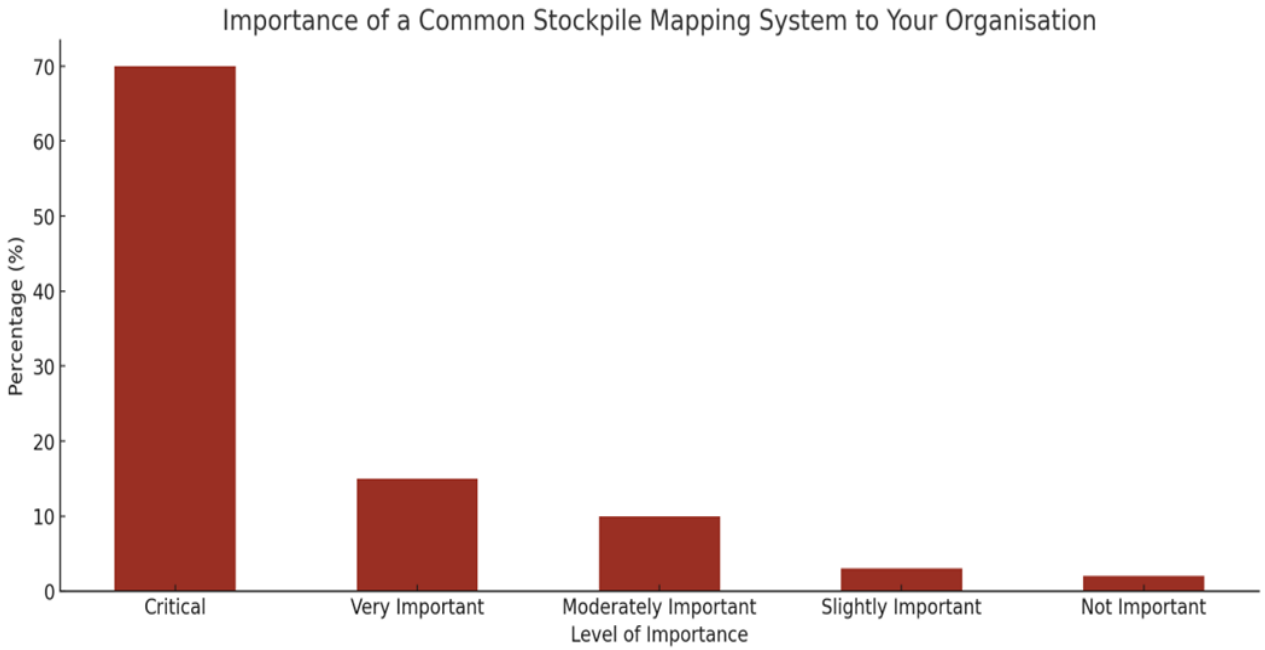
The Inclusive Approach of the Stockpile Mapping Project

- Partner Survey
- In-depth Interviews
- Logistics Service Providers Workshop
- Fieldwork Workshops
- Academic Roundtable with 12 Universities
- Global Logistics Meeting - Rome, May 23

Next Steps

Biggest Need?

An Integrated Common Stockpile Mapping System



Benefits

- Visibility - Collaboration/Accountability
- Analytical Supported Decision Making.
- Visibility - System Wide Coordination

Main Features Required?

- Real-time Stockpile and Customs Information
- Improved Analytics
- Easy to Integrate and Operate

Questions & Answers

Session evaluation survey
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