

Wifi

Network: WHHEXTERN

Password: DWHH0001EXTERN



WELCOME

LOGISTICS CLUSTER GLOBAL MEETING



LOGISTICS
CLUSTER



Welcome & Introductions



#LogClusterGM

logcluster.org |  logcluster |  @logcluster |  @logcluster

welthungerhilfe.de |  welthungerhilfe |  @welthungerhilfe |  @welthungerhilfe

9 May



8:30-9:00 | *Coffee*

9:00-10:25 | Welcome and Introductions

10:25-10:55 | *Coffee Break*

10.55-10.10 | Recap Brussels

11.10-12.15 | Working Group - Governance

12:15-13:15 | *Lunch Break*

13:15-14:30 | Preparedness

14:30-15:00 | *Coffee Break*

15:00-17:00 | Operational Challenges



Building Bridges



Expectations



COFFEE BREAK

Session will re-start at 10:55



Recap from Brussels Meeting

Global Logistics Cluster Meeting



Brussels, November 2016



Topics

- **Governance Working Group**
- **Implementation of the 3-Year Strategy**
- Lessons Learned, WHS, complex emergencies, access and government-led emergency responses, Copernicus

Participation

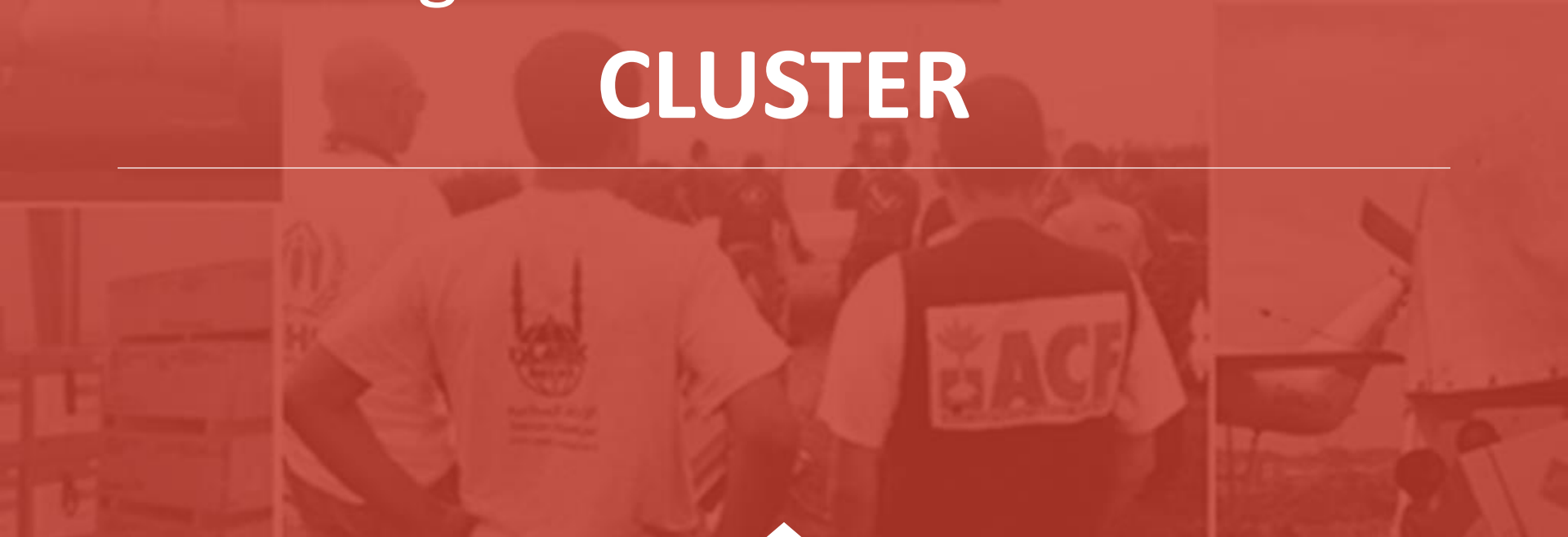
- 53 participants over three days
- 40 organisations represented

Brussels Global Meeting Action Points

- SAG
- Resource plan
- Financial de-mystification
- Haiti pilot
- Academic networks
- Access trainings and strategy design
- Market analysis Info

WELCOME TO

Joint governance of **LOGISTICS** **CLUSTER**



Why a GSAG?



- 
- Strategy 2016-2018
 - Growing
 - Decision making
 - Growing interest
 - Shared ownership & sharing the burden

Previously



From the minutes of GLC 2016 London and Brussels



A working group established in London assessed the governance structures of other clusters.



Voting to endorse the SAG proposal was held, and participants agreed through a vote of 30 to 1 for a SAG to be established.



Terms of Reference (ToRs) and activities will be developed by the Governance Working Group and shared with Logistics Cluster partners.”



participants suggested the voting process could be initially carried out at the next Global Logistics Cluster meeting to be held in 2017

What is the GSAG?

The overall objective



- 
- Strategic support and guidance
 - Facilitate accountability
 -  to advise and report not to intervene at operational level.

What can we expect from the GSAG



- 
- Strategic support and guidance
 - Accountability
 - Strategy implementation
 - Partnerships
 - Advocating for resources
 - Quarterly meetings

ADVISORY MANDATE



- Drive the strategy forward
- Design strategies
- Advising in between GLC meetings
- Advise on GLC policies.
- Develop and approve meeting GLC Meeting agendas


ADVOCACY & AMBASSADOR ROLE



- Represent
- Strategic partnerships
- Liaise to promote and advocate



ADVOCACY & AMBASSADOR ROLE



- 
- funding and financing constraints
 - deployment or secondment
 - participation of local actors


REPORTING ROLE



- 
- 
- budget needs and financial reporting
 - reporting of the activities of the GSAG
 - the annual workplan

What the GSAG will NOT do



- 
- OPERATIONAL interference
 - No ultimate responsibility for resources


Membership

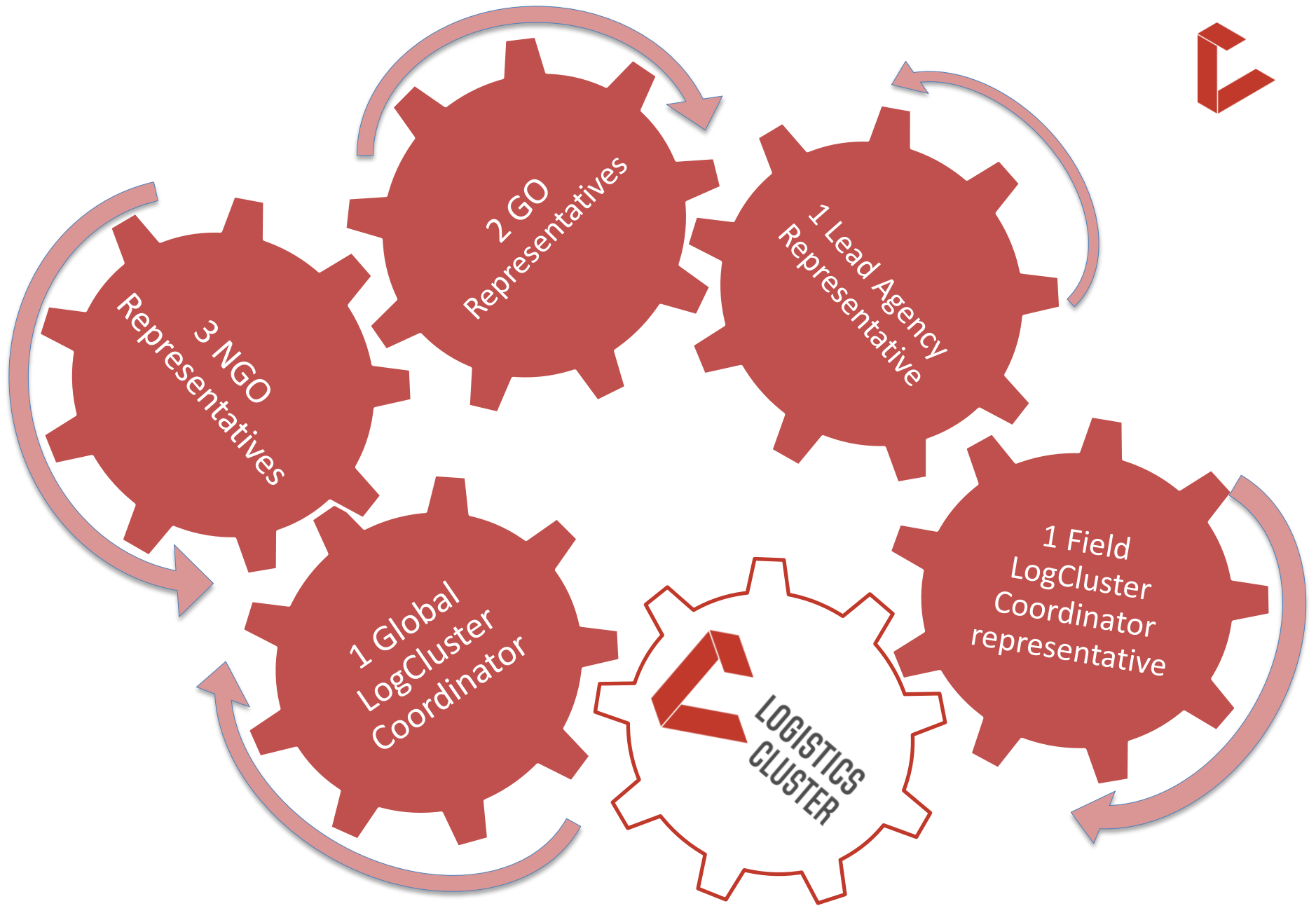


- 
- 12 months activity
 - representing the entire cluster
 - Limited deputation
 - No membership for for-profit organisations

COMPOSITION



- 
- 8 Members
 - 5 elected members (+1)
 - Continuity:
 - 2 year membership
 - Annual rotation of 3/2





STRUCTURE

8 
MEMBERS
FOR 2 YEARS

1 
FIXED CHAIR
GLOBAL LOGISTICS
CLUSTER COORDINATOR
(TIE BREAKER VOTE ONLY)

1 
WFP
PERMANENT SEAT

3 
**NON GOVERNMENTAL
ORGANISATIONS**

2 
**GOVERNMENTAL
ORGANISATIONS**

1 
**FIELD LOGISTICS
CLUSTER COORDINATOR**
OBSERVER

Rotation within the GSAG



How is rotation and continuity ensured?




**NGO/IFRC/ICRC
partners**

Alternating per year,
one or two seats are
put up for election
per year.



**UN/GO/donor
partners**

One seat per year is put
up for election.



**Rotation
external to the
GSAG**

The rotation of the
representatives of the lead
agency and FLCC to be
arranged externally.

We urge to keep
continuity in mind.

Voting rights within the GSAG



Who can vote within the GSAG?

YES

**Elected
Members from
the GLC**

Lead Agency

NO

**Field Cluster
Coordinator
Representative**

-

Observer status

**Limited
Tie breaker
vote**

**Global
Logistics
Cluster
Coordinator or
Deputy**

If needed, voting within the GSAG requires a quorum of 50%+1



ELECTING THE GSAG

Electing Body



Who elects the GSAG members if applicable?



**Global Logistics
Cluster Partners**

**2 Representatives
from GO**

**3 Representatives
from NGO**



**Field Cluster
Coordinators**

**1 Field Cluster
Coordinator
Representative**




**Without
election**

**1 Representative from the
Lead Agency**

**1 Global Logistics Cluster
Coordinator**


Voting process



- 
- **INCLUSIVE**
 - organisational family
 - Equality
 - Voter lists
 - Present
 - not private sector/for profit organisations


Voting process



- 
- 5 votes.
 - < 3 for NGO
 - < 2 for GO
 - Invalid ballots
 - Election committee

Voting process



- 
- Counting
 - relative majority
 - Minimum 15%
 - end result / composition

Global Logistics Cluster Strategic Advisory Group (SAG) Nominees



Non-Governmental Organisations (NGOs)

Vote for up to three candidates by putting cross



in the box next to your choice:

- ☐ Bruno Vandemeulebroecke – Welthungerhilfe (WHH)
- ☐ Chuck Woolgar – Save the Children UK
- ☐ Jean-Baptiste Lamarche – ACF France
- ☐ Mike Goodhand – British Red Cross
- ☐ Mohamed Chahtane - Islamic Relief Worldwide
- ☐ Rebecca Lewin - Plan International

Governmental Organisations

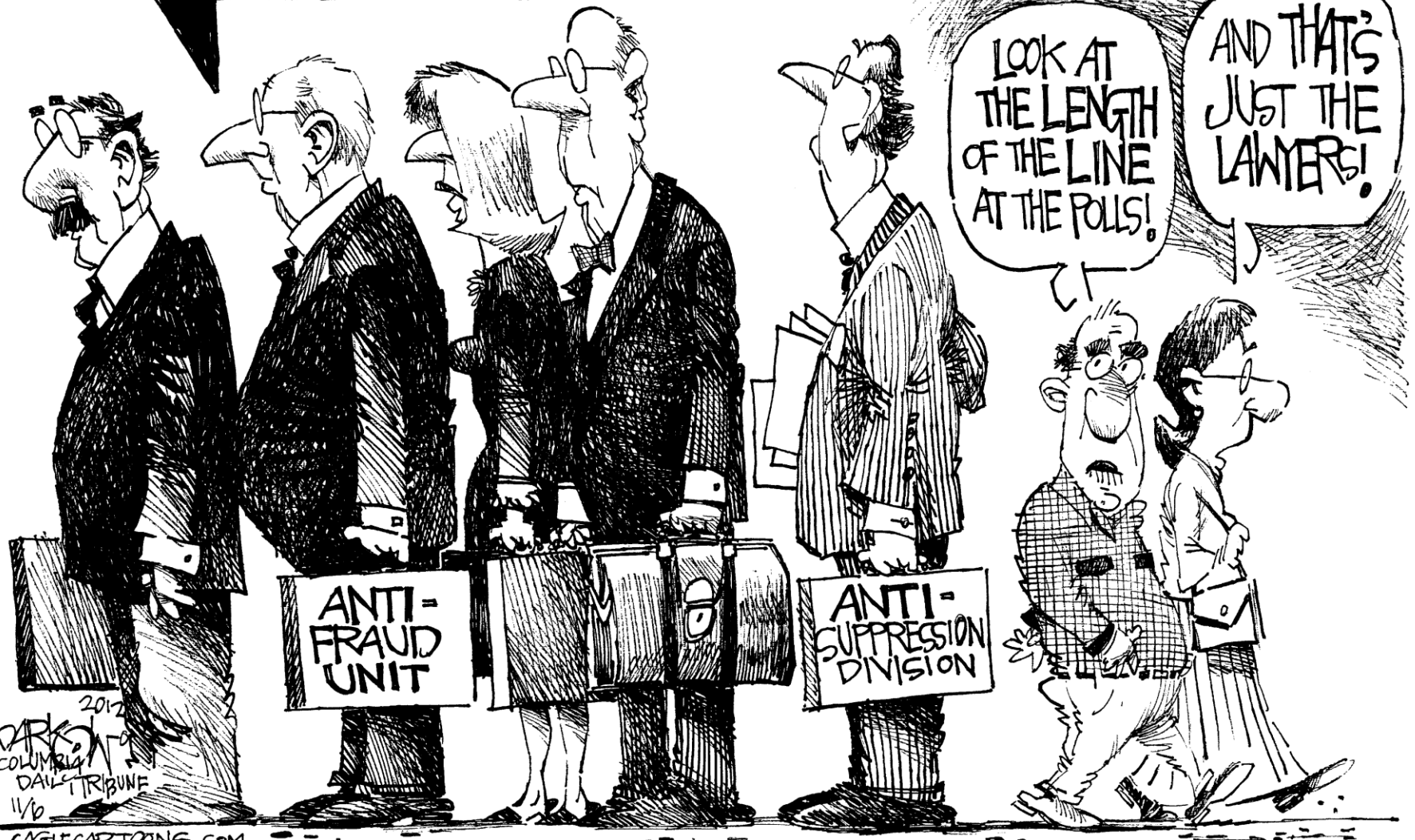
Vote for up to two candidates by putting a cross



in the box next to your choice:

- ☐ Anna Spindler – UNHCR
- ☐ Dider Merckx – ECHO
- ☐ Stephane Arnaud / Peta Barns / Paul Molinaro - UNICEF

VOTE





LUNCH BREAK

Session will re-start at 13:00

PREPAREDNESS

The background of the slide is a collage of four images, all with a red overlay. The top-left image shows a person in a white protective suit. The top-right image shows a person in a white protective suit. The bottom-left image shows a person in a white protective suit. The bottom-right image shows a person in a white protective suit.

May 2017

PREPAREDNESS

Commonly Identified by Log Cluster Partners



Strengthen logistics capacity on national and cross-border levels

NATIONAL
preparedness
of disaster-prone
countries

Encourage active collaboration and ownership of tasks by Logistics Cluster community

- 1) **PRIORITIZE 6 disaster prone countries**
- 2) **MAP capacities and gaps with local stakeholders using new and existing tools/protocols**
- 3) **DEVELOP scenarios based on risk analysis**
- 4) **ASSESS disaster impacts on infrastructure and capacities**
- 5) **SUPPORT governments and stakeholders to address gaps**
- 6) **IDENTIFY organisations and local actors best placed to address gaps**



WE KNOW

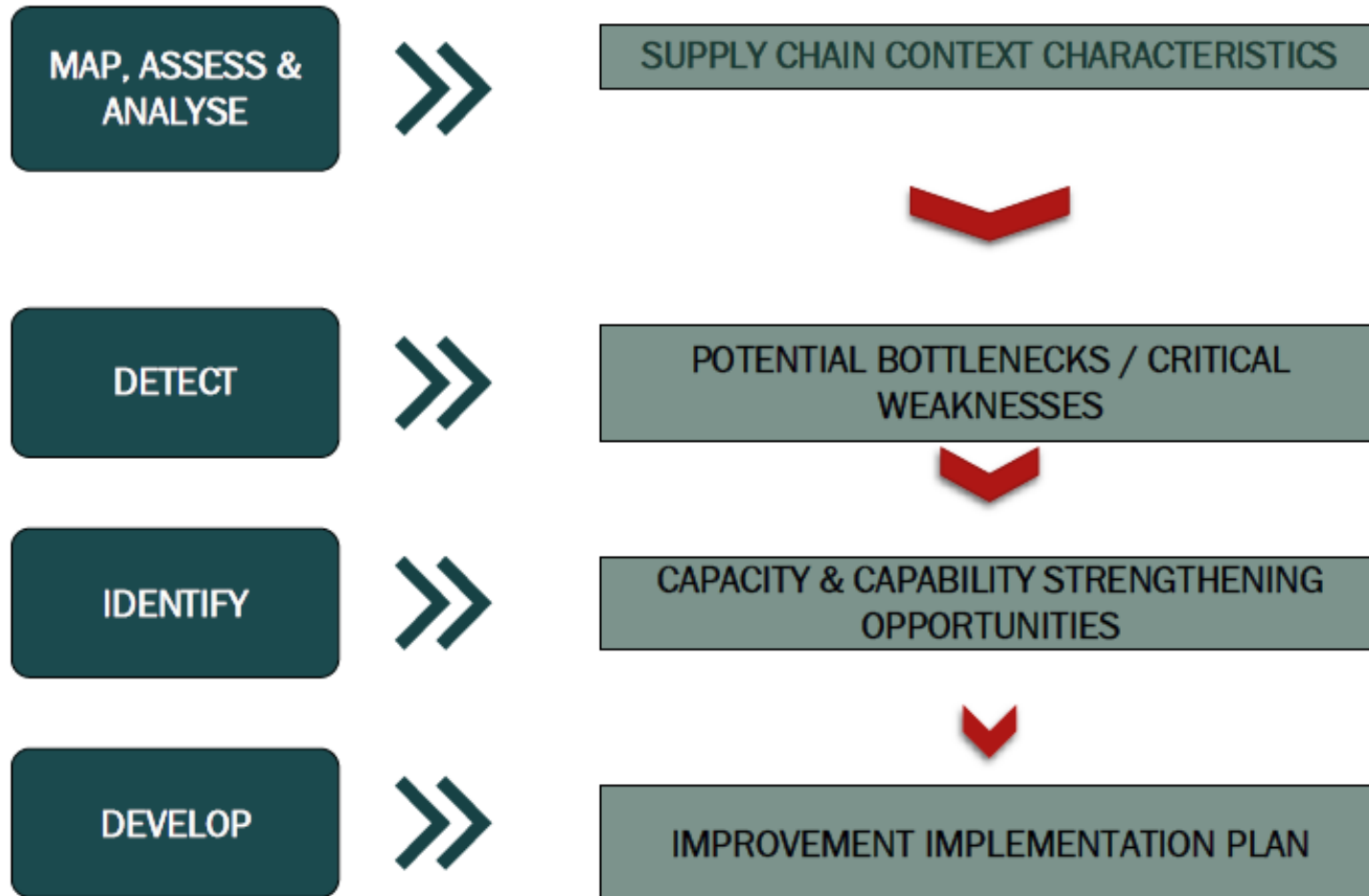
- 1.) Preparedness saves lives, time and money in emergencies.**
- 2.) The Logistics Cluster and national response mechanisms are interdependent**
- 3.) National supply chain capacity is critical to the Logistics Cluster.**
- 4.) Supply chain preparedness and national capacity strengthening can improve national response capacity.**



PROBLEM

- 1) Inadequate coordination for supply chain preparedness initiatives**
- 2) No commonly identified/prioritised supply chain bottlenecks and logistics gaps**
- 3) Impaired visibility of local supply chain capacity**
- 4) Local data preparedness and supply chain analytics is lacking**
- 5) Local and international response mechanisms don't fluidly integrate**

PROCESS FRAMEWORK





TIMELINE



3 months - Scoping mission

9 months - Activated networks & data models

**12+ months - Capacity strengthening activities
+ integrate analytics and knowledge locally**



CONCEPTS



Multi-Sector





Field Based Project Manager

Bonjour!

My name is Kim.....



Strategic Alliances



Human Networks and Data Networks





Preparedness Platform

Dynamic Mapping (shared across-sectors & Gov)

Operational Analysis (real-time & post-ops)

Scenario/Response Planning

Network Modelling & Optimisation



Other Concepts



TARGETTED OSM:

- Improved data quality
- Localised capacity building
- Local network for impact assessments (advises modality switching & market info)



RAPID RESPONSE CONTAINERS:

- Prepositioned forward log bases (deep field/capital/HRDs/partners)
- Locations advised by analytics (lower risk areas vs transport connectivity vs exp demand sites)
- Co-location with NDMO's



UNSOLICITED DONATIONS:

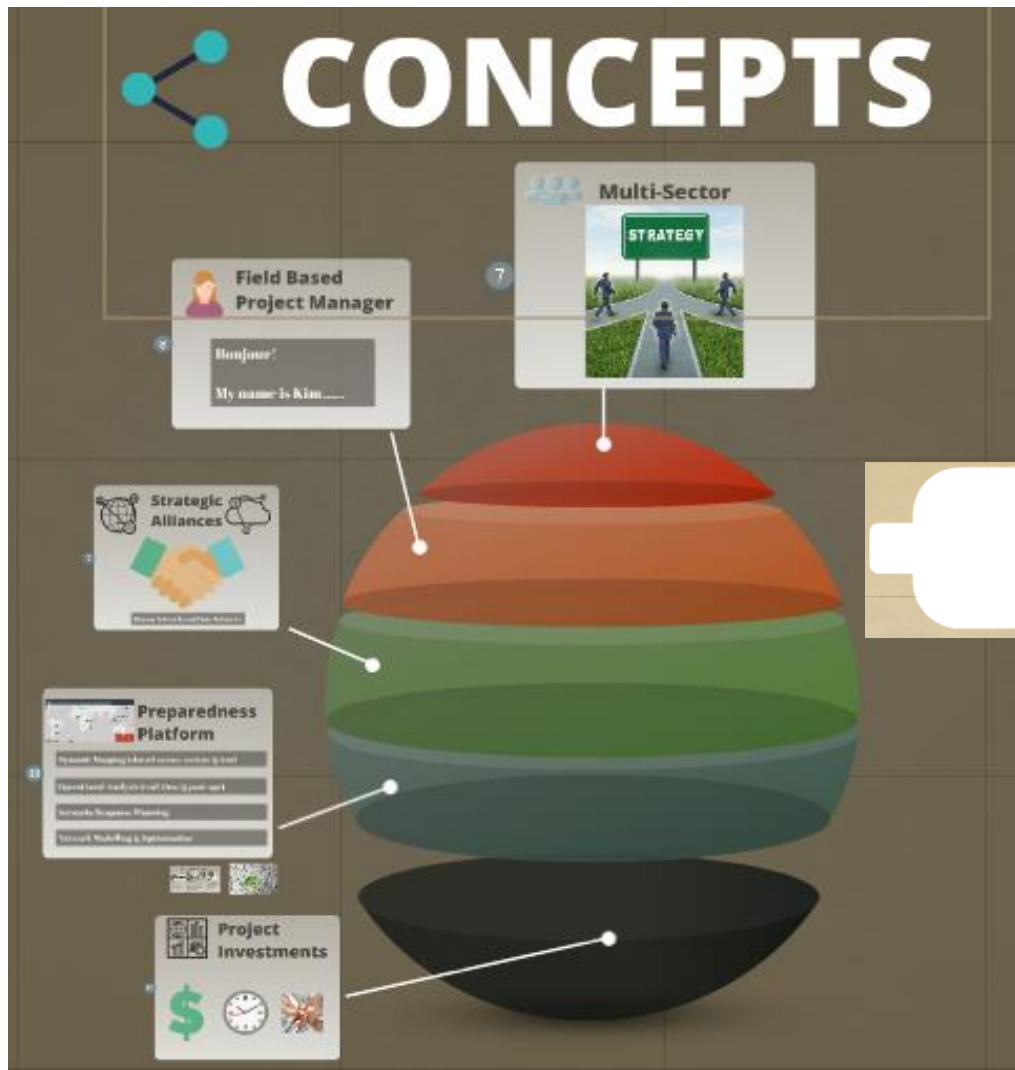
- Pre-emptive supply chain bottleneck mitigation
- Comms messaging & advocacy
- NDMFW positioning
- Matching systems





Project Investments





HURRICANE STEPHEN

JUNE 2017







Groupe travail Logistique HAÏTI

May 2017



- Proof of concept;
 - Test Preparedness Planning Model
 - Alignment w/ new hurricane season
 - Test LCPP software
- Project duration 3 months
 - Preparation started for the next hurricane season at national level
 - Pro-active approach to logistic preparedness
 - Develop and test a new preparedness model and test the platform
- What we did
 - Network development
 - Link with DPC/NDMO
 - Logistic working group
 - Multisector approach
- Relationship's are critical



Private Sector Engagement

May 2017



- Perspective;
 - UPS supports several preparedness initiatives – Pandemic Supply Chain, CBI, Capacity Building projects with, WFP, UNHCR, unicef, and 20 other NGO's and also as an LET member to the Cluster
 - 4 fulltime staff with humanitarian expertise
 - 4 “loaned” logistics managers on (6 month assignments)
- Primary focus was to meet with the PS and understand their needs and look for points of convergence – we found that;
 - they felt **overlooked**, bypassed and ignored
 - concerned that they could have provided more **goods locally**
 - they do not have a **clear engagement strategy** or even understanding of where to start with the UN & NGO level
 - They have risk mitigation, preparedness & response strategies
 - they have assets and processes that can facilitate reporting and response



5 Examples of how the PS can engage;

St. Boniface Hospital – gave them a short 30 min overview of

- 165kw and 100kw generators
- Spring fed water supply
- 3000 gal water truck
- Open space secured helicopter pad
- Distribution network (Meds and Food)
- Container storage 6 to 8
- Already providing first-hand accounts of logistical challenges from recent weather related incidents

Private Sector Engagement

Bridge – Reporting Tool



Logistics Cluster Preparedness Platform

Download or Upload Data

Global Bangladesh Haiti Indonesia Madagascar Myanmar Nigeria Pacific Region Operational Analysis Portal Quick Demo Video

GLC Operational Analysis Interface

by WFP HQ GIS

Esri Address Locator



Reporting Tool

Instruction - Select incident type, click on map to report

Reported incidents will be displayed upon verification by an IM Officer

All

Search Templates

- Airport Affected Airport Destroyed Airport Destroyed
- Airport Not Affected Airport Not Affected Bridge Affected
- Bridge Affected Bridge Destroyed Bridge Destroyed
- Bridge Not Affected Bridge Not Affected Building Affected

Bridge Destroyed

Attachments:
[BRIDGE OUT.JPG](#)

Edited on Friday at 4:10 PM

[Zoom to](#)

GLC Map Summary



Click icons below to view info

- Storage Facility - Private Sector 0
- LET Partners 0
- INGO Partner Activities 0
- Latest Ground Report -

Map data © OpenStreetMap contributors, CC-BY-SA | WFP HQ GIS

POWERED BY
esri



Director EMAILED this photo 4 hours before it was announced by any organization –

How quickly could this information been available if this would have come from a phone app?





5 Examples of how the PS can engage;

Les Moulin's d'Haiti-

- Largest wheat and corn processing plant in the region
- Alternative point of entry
- Water desalinization capability
- 200m long dock access with 10m draft
- Roll off container capability (willing to put cranes up)
- 2 warehouse 60 and 40 tons (bags of product)
- Open space for container storage (NFIs')
- Heavy duty machine and metal works shop with lath
- Fuel storage

Private Sector Engagement

Le Moulins



Logistics Cluster Preparedness Platform

Download or Upload Data

Global Bangladesh Haiti Indonesia Madagascar Myanmar Nigeria Pacific Region **Operational Analysis Portal** Quick Demo Video

GLC Operational Analysis Interface

by WFP HQ GIS

Esri Address Locator



Route Nationale #1, Laffiteau Petion-Ville	
Name	LES Moulins D'Haiti SEM
Location	Route Nationale #1, Laffiteau Petion-Ville
Service Type 1	Port Facility - 200m dock - 10m draft - no cranes - ability to roll off containers - open to installation of cranes if required
Service Type 2	water desalination capability
Service Type 3	Machine Shop - heavy duty lath
Service Type 4	Warehouse Space 60,000mt
Service Type 5	Warehouse Space 20,000mt (secondary)
Zoom to	

GLC Map Summary

Click icons below to view info

Storage Facility - Private Sector **1**

April 26, 2017 **1**

LES Moulins D'Haiti SEM - Route Nationale #1, Laffiteau Petion-Ville

LET Partners **0**

-72.399 18.645 Degrees

4km



Cité Soleil

Croix-des-Bouquets

Map data © OpenStreetMap contributors, CC-BY-SA | WFP HQ GIS





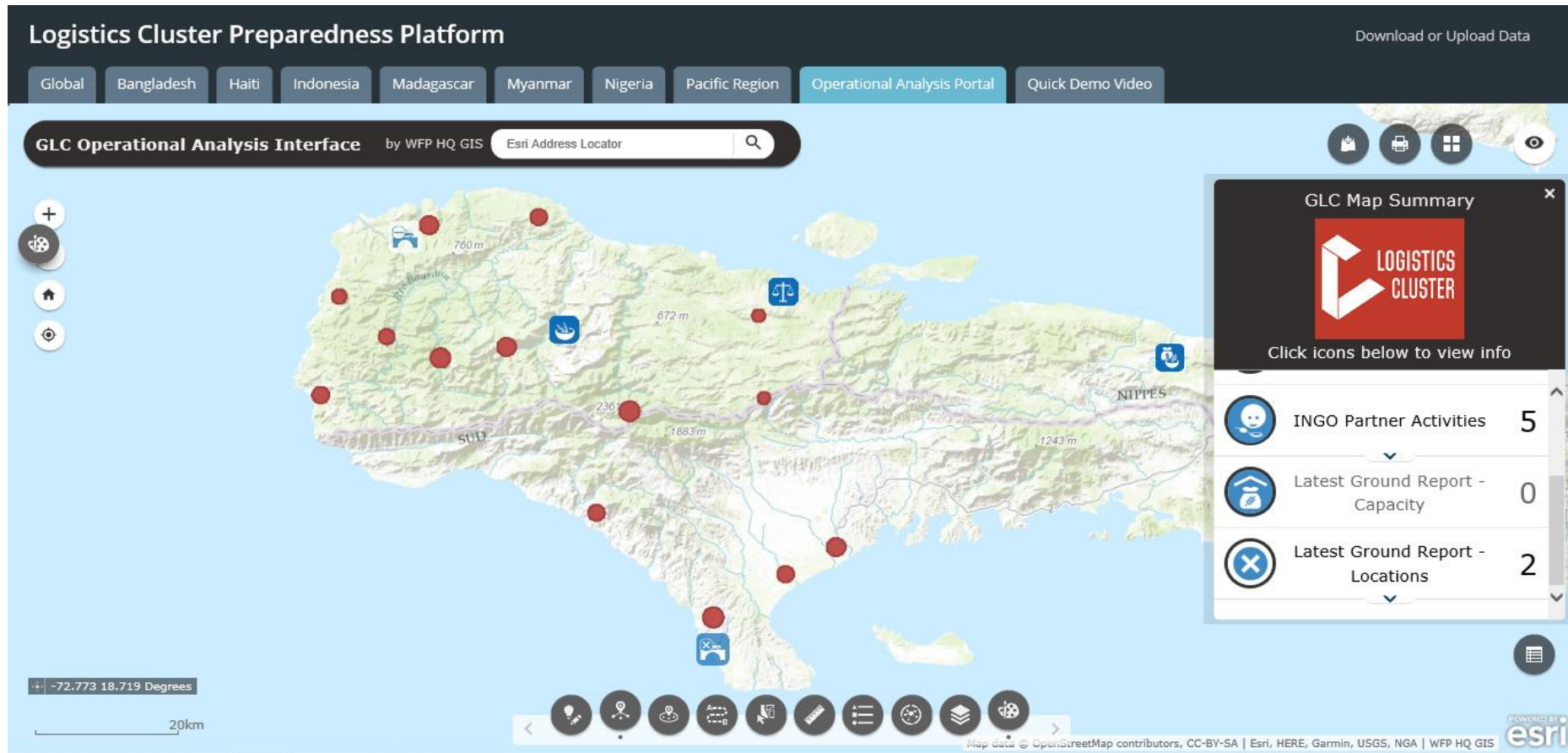
5 Examples of how the PS can engage;

Digicel – Largest cellular provider in Haiti

- 14 Prepositioned 5 member teams set to restore communications
- Willing to use teams as monitors for first hand reporting on infrastructure damage, road usability, most help needed areas
- Wants to at more than the Government level

Private Sector Engagement

DIGICEL





5 Examples of how the PS can engage;

- AGERCA – Haiti Business Association – CBI (UPS founding member)
 - Eagerly supportive of our mission and is actively setting up a monthly working group meeting to connect all stakeholders (Govt, PS, NGO's and donors)
- American Chamber of Commerce –
 - Newly elected board
 - CSR 9 member working group
 - Believes that the Haiti Preparedness Initiative will fit their working group
 - We will present to the working group next month

Contacts

Coordination nationale :

- Gérald Joseph DPC: Jgerald2007@yahoo.fr
 - cell: 48405110
- Kim Claveau, Préparation aux urgence , Cluster logistique Global.
 - kim.claveau@wfp.org cell: 37911559
- Dale Herzorg UPS Foundation
 - dherzog@ups.com



Infrastructure and Preparedness

Steven Crosskey

Ian Gough

 **UNOPS**

Shock Events Are Not Necessarily Disasters

Japan 2016 - 7.0 Earthquake



12 Dead

Haiti 2010 – 7.0 Earthquake



250,000+ Dead

The Power Of The Infrastructure Lens In Preparedness

Critical Assets	Earthquake			Hurricane		
	6.5	7.0	7.5	Cat 3	Cat 4	Cat 5
Airport	?	?	?	?	?	?
Port	?	?	?	?	?	?
Warehouse	?	?	?	?	?	?
Road	?	?	?	?	?	?
Bridge	?	?	?	?	?	?
House	?	?	?	?	?	?

The Power Of The Infrastructure Lens In Preparedness

Critical Assets	Earthquake			Hurricane		
	6.5	7.0	7.5	Cat 3	Cat 4	Cat 5
Airport	✓	✓	✗	✓	✓	✗
Port	✓	✓	✓	✓	✗	✗
Warehouse	✓	✗	✗	✗	✗	✗
Road	✓	✗	✗	✗	✗	✗
Bridge	✓	✗	✗	✗	✗	✗
House	✓	✗	✗	✓	✗	✗

The Power Of The Infrastructure Lens In Preparedness

The ability to predict potential damage to infrastructure can:

- Inform the type and scale of response required
- Inform the logistical response and how goods and services are provided in a post-disaster situation
- Inform the most efficient locations for storing goods and equipment
- Inform the most efficient routing and pipelines for specific events before they occur
- Identify critical assets for retrofit, upgrading, or replacement to reduce response

Why Partnership with GLC?

- **Pillar 01: Preparedness**
- **GLC Preparedness Path to Resilience: Pilot Project Concept**
- **Bridging Gap between Response and Development – reaching out**
- **Linkages between Logistics and Physical Infrastructure Systems**
- **Government Integrations and Leadership Roles**
- **Common Platform for Visualisation and Analysis**

Preparedness in Haiti

- **Real National Risks and Needs**
- **CNIGS, MoPW, DPC and Openness / Potentials**
- **Not ready yet – develop Demonstration**
- **Government: Longer Term Engagement / Capacities**
- **Permanent Committee for Risk Management**
- **Annual Cycle and timeframes**



Thank You

StevenC@unops.org

 **UNOPS**

LCPP Purpose – Save Lives Save Money



LCPP Purpose – Data Mapping

Access Constraints

Concept of Operations

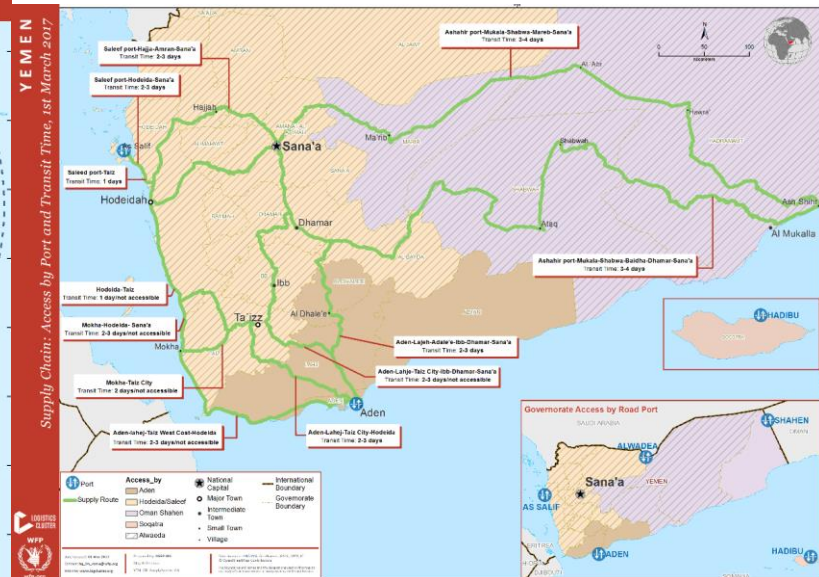
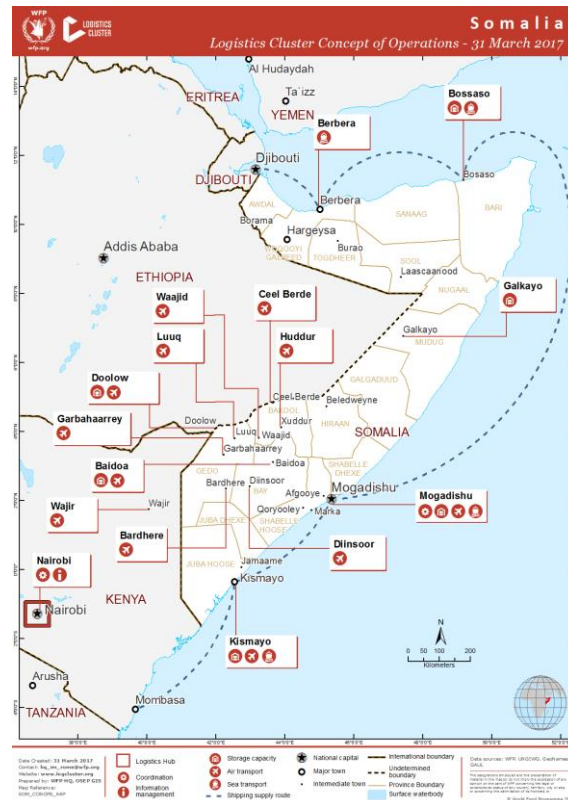
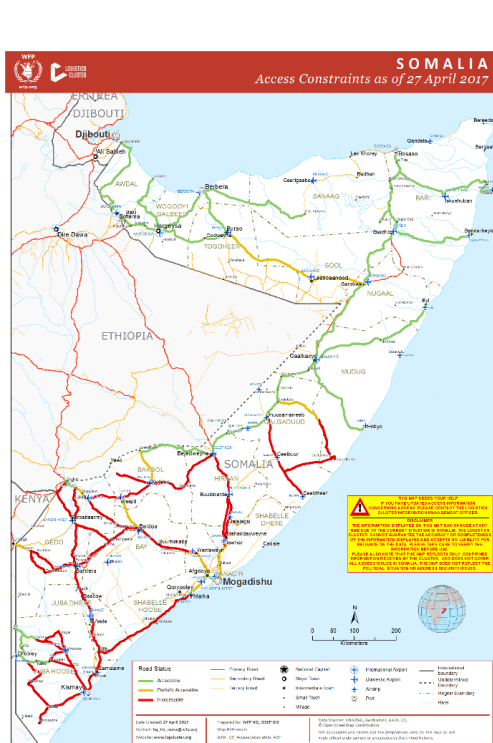
Capacity Assessment

Logistics Planning

2016 Map Demand

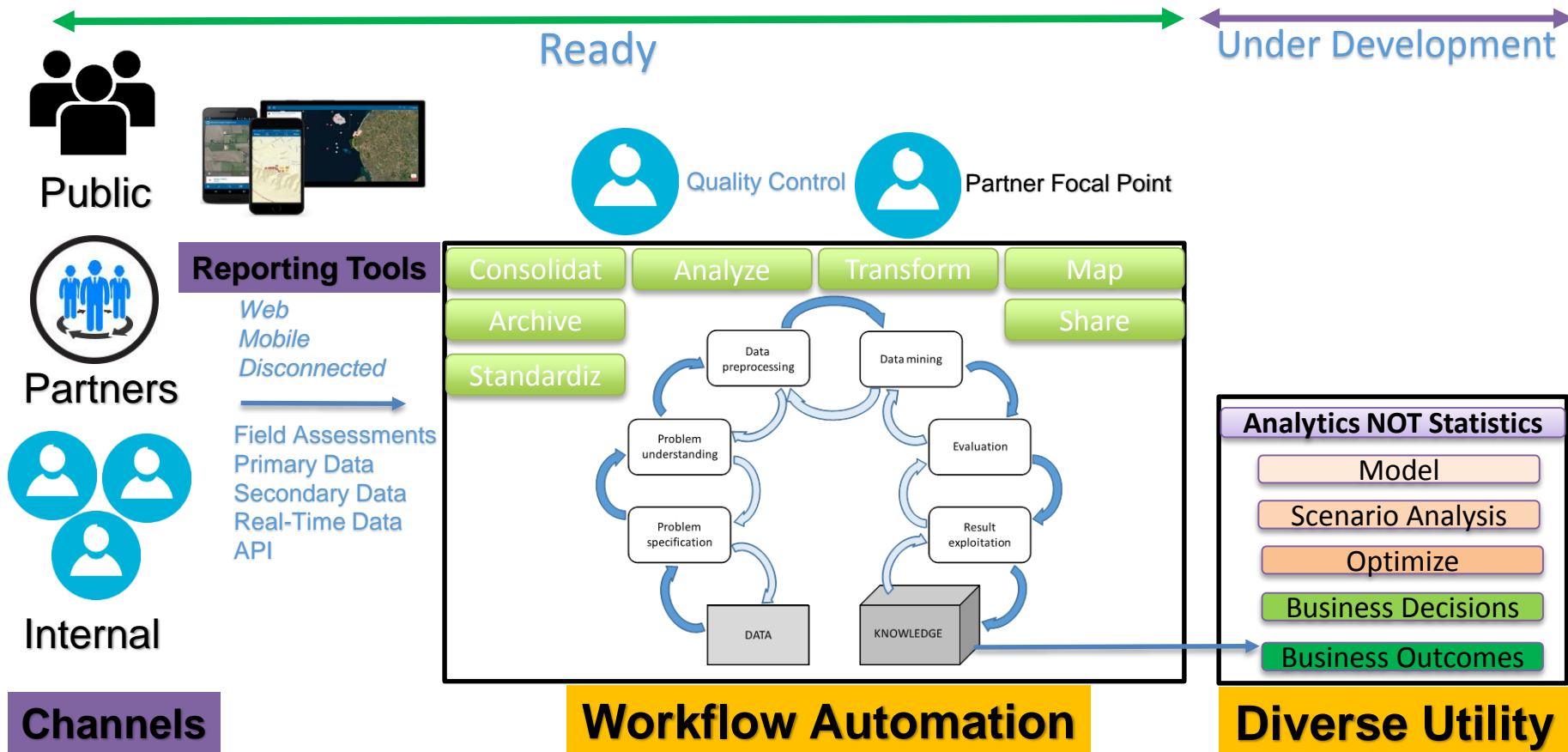


LCPP Purpose – Data Mapping



Transform Inefficient and Costly IM Workflows & Increase Capacities

LCPP Purpose – Data Mapping



LCPP – Data Model

 **Roads**

 **Ports**

 **Airports**

 **Bridges**

 **Railways**

 **Border Crossing Points**

 **Settlements**

 **IDP Camps**

 **Amenities**

 **Rivers**

 **UNHAS Routes**

 **Fiji Roads Authority**

 **WFP Facilities**

 **WFP Warehouses**

 **WFP Supply Routes**

 **Access Constraints**

 **Logistics Storage Hubs**

    **Logistics Transport**

Stockpile (Pacific Region)

 **Tropical Storms**

 **Earthquake**

Pipeline

WFP Supply Chain (LESS)

Physical & Economic Risks

Flood 

Cyclone 

Earthquake 

Drought 

Civil Unrest 

LCPP – Data Tools

Smart Search

Near Me

Measure

Attribute Table

Draw

Basemap

Directions

Report

Filter

Edit

Add Data

Download

Share

Summarize Data



Aggregate Points



Summarize Nearby



Summarize Within

Analyze Patterns



Calculate Density



Find Hot Spots



Interpolate Points

Manage Data



Dissolve Boundaries



Extract Data



Merge Layers



Overlay Layers

Find Locations



Find Existing Locations



Derive New Locations



Find Similar Locations



Choose Best Facilities



Create Viewshed



Create Watersheds



Trace Downstream

Data Enrichment

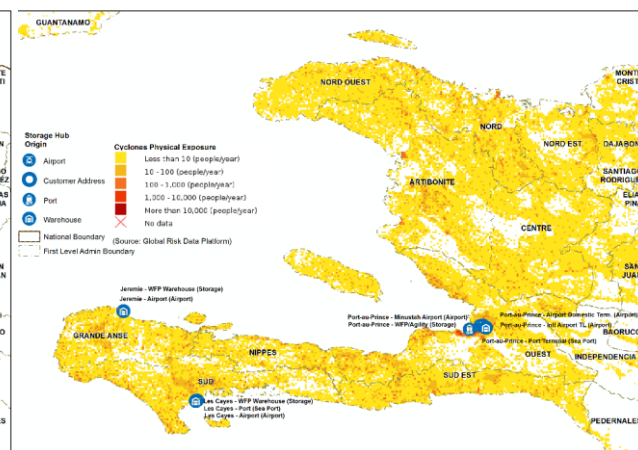
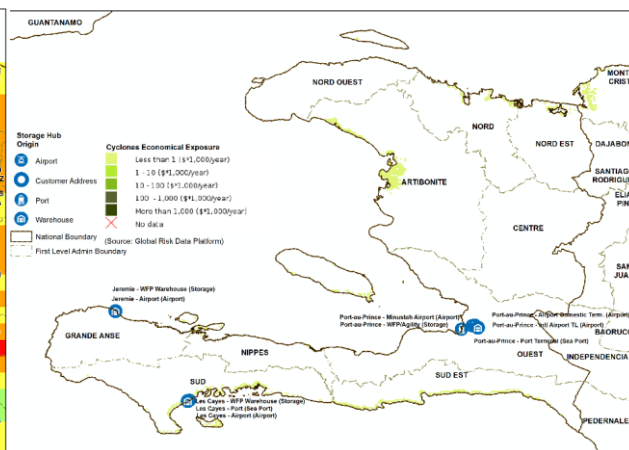
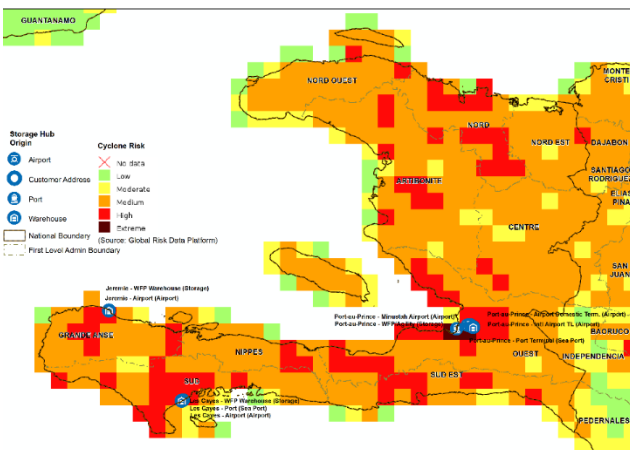


Enrich Layer

Print using Templates

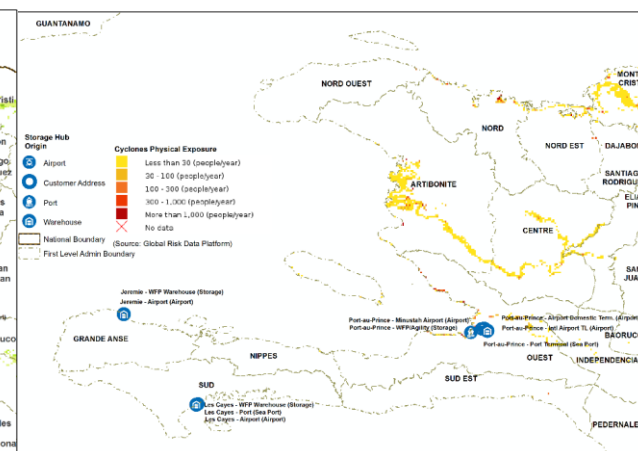
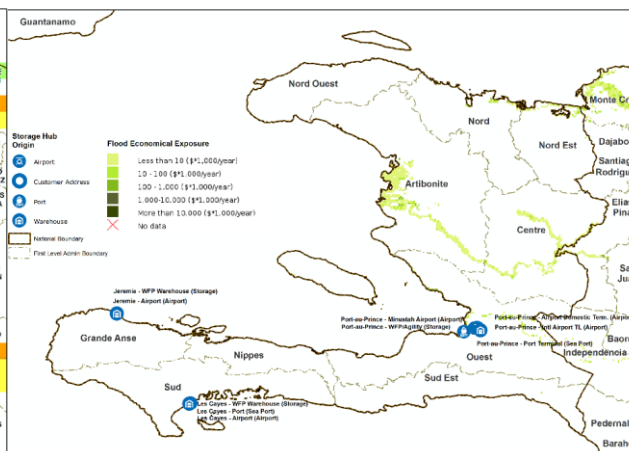
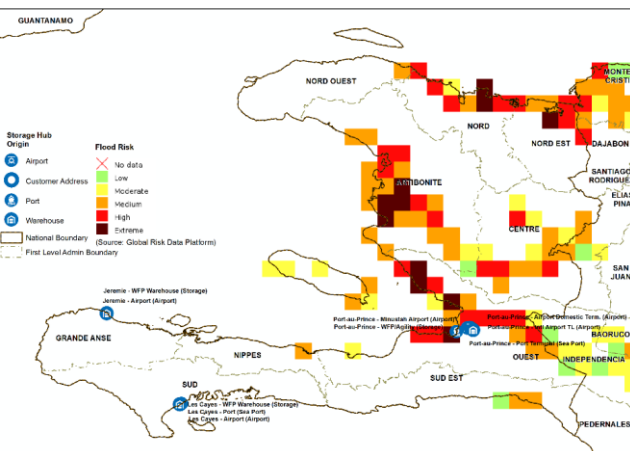
Elevation Profile

Time Slider

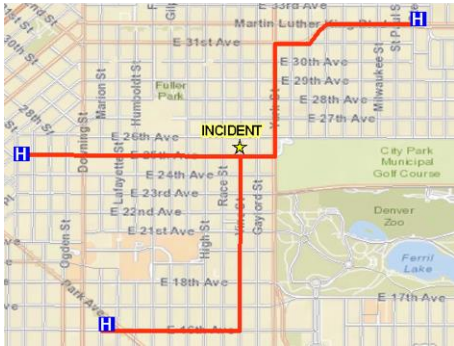


Pipeline

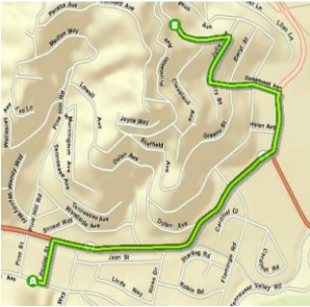
Supply Chain Network Model + Historical Natural Hazard Risk/Exposure



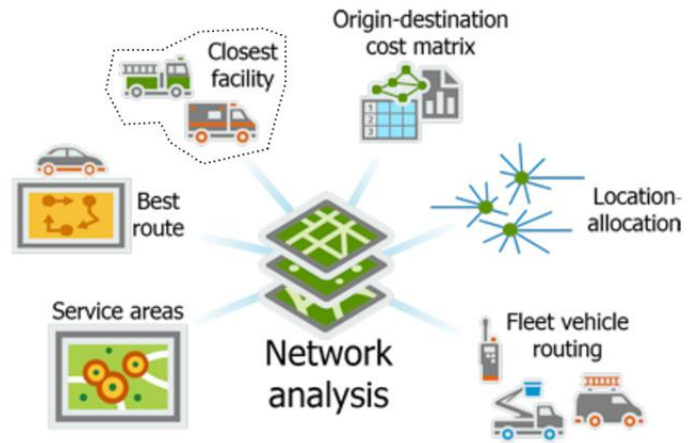
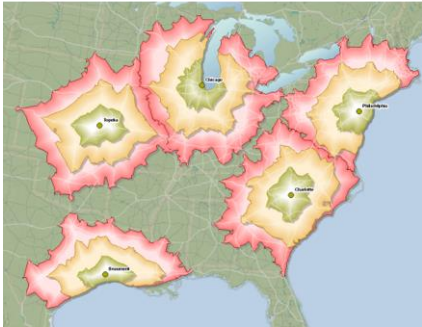
Closest facility



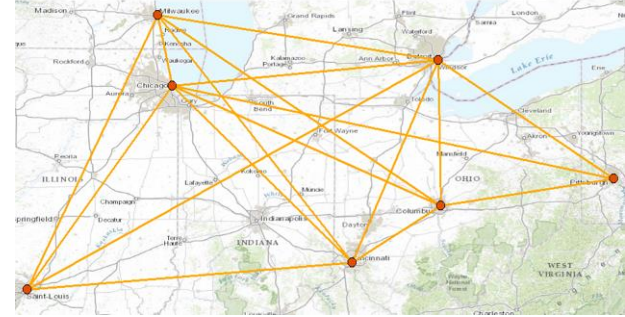
Best route



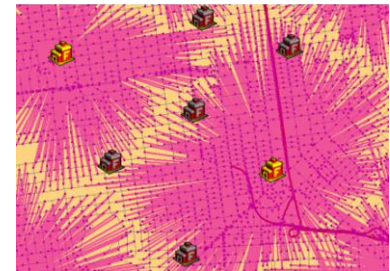
Service areas



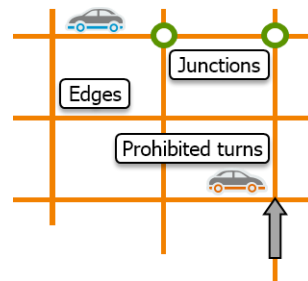
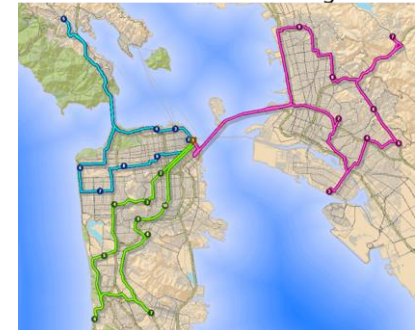
Origin-destination cost matrix



Location allocation



Fleet vehicle routing



Data Prep: RITA (Oct 8, 2016 – Feb 24, 2017)

Storage Hubs: Σ 4849 records ; Transportation/Dispatch Locations: Σ 2274 records

- Generate **unique origin-destination pairs**: Σ 139 records → Map → Aggregate frequency, capacity metrics
Road – 65 Rail – 1 Helicopter – 64 Sea – 9

Baseline Scenario Testing Parameters:

- 70 km/hr speed limit (Need ground assessment/national authority input to verify speed limits of major classes of roads to calibrate model)
- U-turns only allowed at dead ends
- Mercator Auxiliary Spherical Projection
- Curb Approach: Either side of the vehicle

Tests →

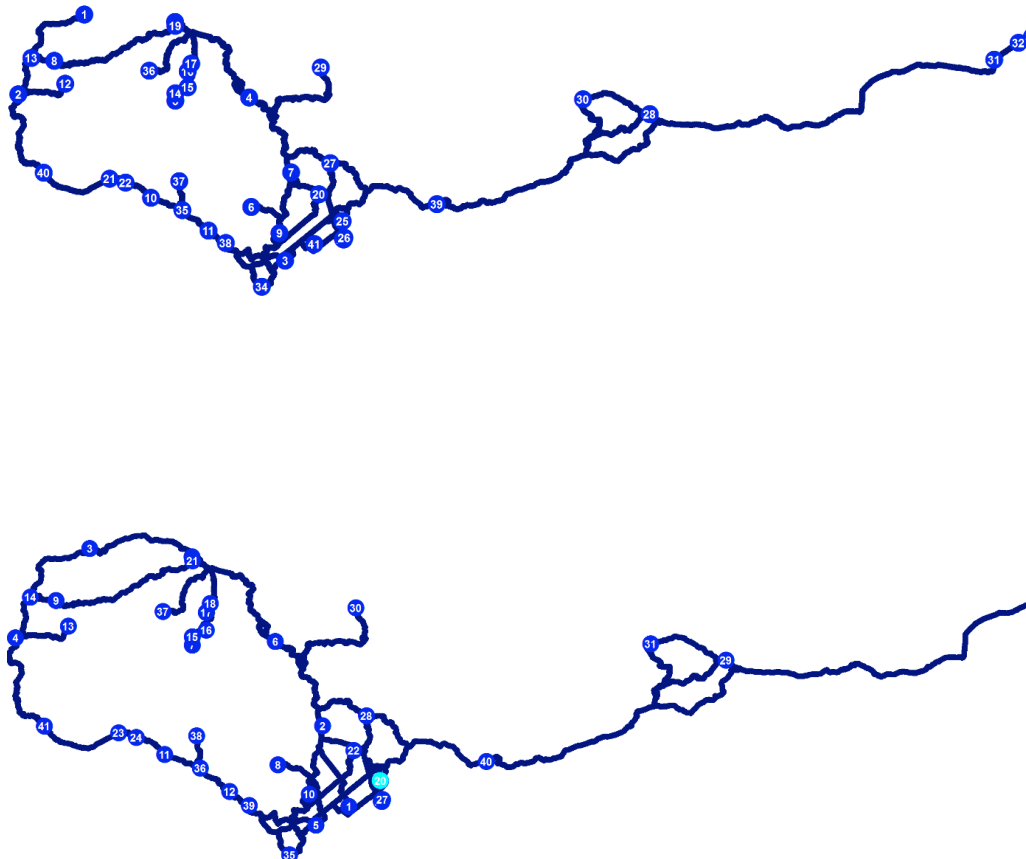
Batch Routing

Closest Facility

Service Area

Name	Sequence
Abricot (Customer Address)	1
Anse d'Hainault (Customer Address)	2
Arniquet (Customer Address)	3
Beaumont (Customer Address)	4
Bonel (Customer Address)	5
Caiman (Customer Address)	6
Camp Perrin (Customer Address)	7
Chambellan (Customer Address)	8
Chantel (Customer Address)	9
Chardonnières (Customer Address)	10
Coteaux (Customer Address)	11
Counoubois (Customer Address)	12
Dame Marie (Customer Address)	13
Despaigne (Customer Address)	14
Duriz (Customer Address)	15
Flavier (Customer Address)	16
Gatineau (Customer Address)	17
Jeremie - WFP Warehouse (Storage)	18
Jeremie (Customer Address)	19
La Borde (Customer Address)	20
La Cahouane (Customer Address)	21
Les Anglais (Customer Address)	22
Les Cayes - Port (Sea Port)	23
Les Cayes - Port (Customer Address)	24
Les Cayes - WFP Warehouse (Storage)	25
Les Cayes (Customer Address)	26
Maniche (Customer Address)	27
Miragoane (Customer Address)	28
Pestel (Customer Address)	29
Petite-Riviere-de-Nippes (Customer Address)	30
Port-au-Prince - Port Terminal (Sea Port)	31
Port-au-Prince - WFP/Agility (Storage)	32
Port-au-Prince (Customer Address)	33
Port-Salut (Customer Address)	34
Port à Piment (Customer Address)	35
Preville (Customer Address)	36
Randel (Customer Address)	37
Roche à Bateau (Customer Address)	38
Saint-Louis du Sud (Customer Address)	39
Tiburon (Customer Address)	40
Torbeck (Customer Address)	41

Name	Stop Count	Distance (m)	Time (hr)
Abricot (Customer Address) - Torbeck (Customer Address)	41	2561233.003	36.59



Name	Stop Count	Distance (m)	Time (hr)
Torbeck (Customer Address) - Tiburon (Customer Address)	41	2747850.944	39.26

Batch Routing

Parameters to solve:

- 41 Destinations in specific order

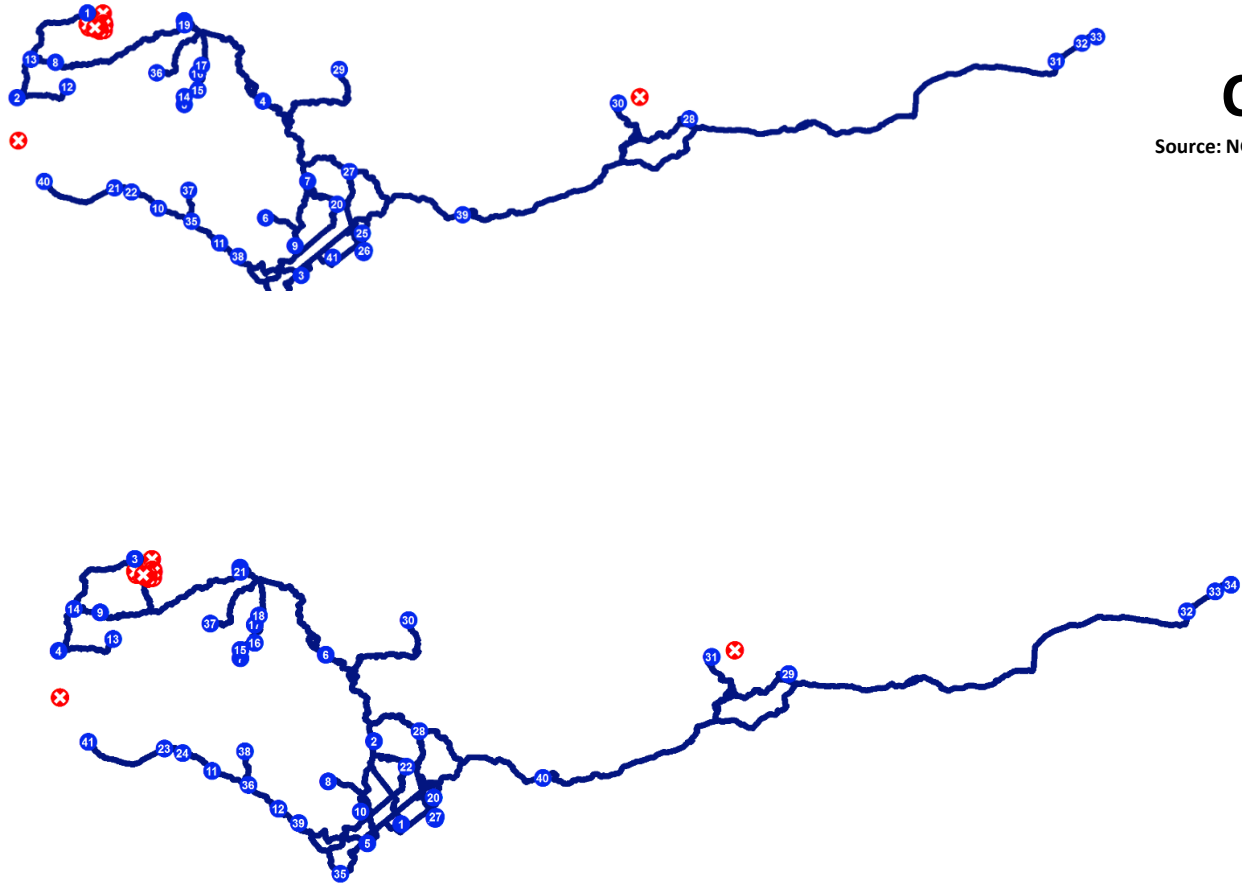
Solve time: 6 seconds

Sensitive to order

Name	Sequence
Torbeck (Customer Address)	1
Camp Perrin (Customer Address)	2
Abricot (Customer Address)	3
Anse d'Hainault (Customer Address)	4
Arniquet (Customer Address)	5
Beaumont (Customer Address)	6
Bonel (Customer Address)	7
Caiman (Customer Address)	8
Chambellan (Customer Address)	9
Chantel (Customer Address)	10
Chardonnières (Customer Address)	11
Coteaux (Customer Address)	12
Counoubois (Customer Address)	13
Dame Marie (Customer Address)	14
Despaigne (Customer Address)	15
Duriz (Customer Address)	16
Flavier (Customer Address)	17
Gatineau (Customer Address)	18
Jeremie - WFP Warehouse (Storage)	19
Les Cayes - WFP Warehouse (Storage)	20
Jeremie (Customer Address)	21
La Borde (Customer Address)	22
La Cahouane (Customer Address)	23
Les Anglais (Customer Address)	24
Les Cayes - Port (Sea Port)	25
Les Cayes - Port (Customer Address)	26
Les Cayes (Customer Address)	27
Maniche (Customer Address)	28
Miragoane (Customer Address)	29
Pestel (Customer Address)	30
Petite-Riviere-de-Nippes (Customer Address)	31
Port-au-Prince - Port Terminal (Sea Port)	32
Port-au-Prince - WFP/Agility (Storage)	33
Port-au-Prince (Customer Address)	34
Port-Salut (Customer Address)	35
Port à Piment (Customer Address)	36
Preville (Customer Address)	37
Randel (Customer Address)	38
Roche à Bateau (Customer Address)	39
Saint-Louis du Sud (Customer Address)	40
Tiburon (Customer Address)	41

Name	Sequence
Abricot (Customer Address)	1
Anse d'Hainault (Customer Address)	2
Arniquet (Customer Address)	3
Beaumont (Customer Address)	4
Bonel (Customer Address)	5
Caiman (Customer Address)	6
Camp Perrin (Customer Address)	7
Chambellan (Customer Address)	8
Chantel (Customer Address)	9
Chardonnières (Customer Address)	10
Coteaux (Customer Address)	11
Counoubois (Customer Address)	12
Dame Marie (Customer Address)	13
Despaigne (Customer Address)	14
Duriz (Customer Address)	15
Flavier (Customer Address)	16
Gatineau (Customer Address)	17
Jeremie - WFP Warehouse (Storage)	18
Jeremie (Customer Address)	19
La Borde (Customer Address)	20
La Cahouane (Customer Address)	21
Les Anglais (Customer Address)	22
Les Cayes - Port (Sea Port)	23
Les Cayes - Port (Customer Address)	24
Les Cayes - WFP Warehouse (Storage)	25
Les Cayes (Customer Address)	26
Maniche (Customer Address)	27
Miragoane (Customer Address)	28
Pestel (Customer Address)	29
Petite-Riviere-de-Nippes (Customer Address)	30
Port-au-Prince - Port Terminal (Sea Port)	31
Port-au-Prince - WFP/Agility (Storage)	32
Port-au-Prince (Customer Address)	33
Port-Salut (Customer Address)	34
Port à Piment (Customer Address)	35
Preville (Customer Address)	36
Randel (Customer Address)	37
Roche à Bateau (Customer Address)	38
Saint-Louis du Sud (Customer Address)	39
Tiburon (Customer Address)	40
Torbeck (Customer Address)	41

Name	Stop Count	Distance (m)	Time (hr)
Abricot (Customer Address) - Torbeck (Customer Address)	41	2713024.1750	38.76



Name	Stop Count	Distance (m)	Time (hr)
Torbeck (Customer Address) - Tiburon (Customer Address)	41	2910503.52331	41.58

Batch Routing Access Constraints

Source: NGA Post-Matthew Damage Assessment

Name	Sequence
Torbeck (Customer Address)	1
Camp Perrin (Customer Address)	2
Abricot (Customer Address)	3
Anse d'Hainault (Customer Address)	4
Arniquet (Customer Address)	5
Beaumont (Customer Address)	6
Bonel (Customer Address)	7
Caiman (Customer Address)	8
Chambellan (Customer Address)	9
Chantel (Customer Address)	10
Chardonnières (Customer Address)	11
Coteaux (Customer Address)	12
Counoubois (Customer Address)	13
Dame Marie (Customer Address)	14
Despaigne (Customer Address)	15
Duriz (Customer Address)	16
Flavier (Customer Address)	17
Gatineau (Customer Address)	18
Jeremie - WFP Warehouse (Storage)	19
Jeremie (Customer Address)	20
La Borde (Customer Address)	21
La Cahouane (Customer Address)	22
Les Anglais (Customer Address)	23
Les Cayes - Port (Sea Port)	24
Les Cayes - Port (Customer Address)	25
Les Cayes (Customer Address)	26
Maniche (Customer Address)	27
Miragoane (Customer Address)	28
Pestel (Customer Address)	29
Petite-Riviere-de-Nippes (Customer Address)	30
Port-au-Prince - Port Terminal (Sea Port)	31
Port-au-Prince - WFP/Agility (Storage)	32
Port-au-Prince (Customer Address)	33
Port-Salut (Customer Address)	34
Port à Piment (Customer Address)	35
Preville (Customer Address)	36
Randel (Customer Address)	37
Roche à Bateau (Customer Address)	38
Saint-Louis du Sud (Customer Address)	39
Tiburon (Customer Address)	40
Torbeck (Customer Address)	41

Closest Facility Analysis



Closet Facility Routes

Jeremie Airport
Jeremie WFP Warehouse
Les Cayes Airport
Les Cayes Port
Les Cayes Warehouse
Port au Prince Port

Name	Distance (km)
Abricot (Customer Address) - Jeremie - Airport (Airport)	19.35
Anse d'Hainault (Customer Address) - Jeremie - Airport (Airport)	52.25
Arniquet (Customer Address) - Les Cayes - WFP Warehouse (Storage)	18.12
Beaumont (Customer Address) - Jeremie - WFP Warehouse (Storage)	38.00
Bonel (Customer Address) - Jeremie - WFP Warehouse (Storage)	30.36
Caiman (Customer Address) - Les Cayes - Airport (Airport)	23.05
Camp Perrin (Customer Address) - Les Cayes - Airport (Airport)	13.58
Chambellan (Customer Address) - Jeremie - Airport (Airport)	39.52
Chantel (Customer Address) - Les Cayes - Airport (Airport)	16.91
Chardonnières (Customer Address) - Les Cayes - Airport (Airport)	61.86
Coteaux (Customer Address) - Les Cayes - WFP Warehouse (Storage)	46.42
Counoubois (Customer Address) - Jeremie - Airport (Airport)	64.79
Dame Marie (Customer Address) - Jeremie - Airport (Airport)	40.98
Despaigne (Customer Address) - Jeremie - WFP Warehouse (Storage)	28.02
Duriz (Customer Address) - Jeremie - WFP Warehouse (Storage)	24.36
Flavier (Customer Address) - Jeremie - WFP Warehouse (Storage)	20.94
Gatineau (Customer Address) - Jeremie - WFP Warehouse (Storage)	16.67
Jeremie - WFP Warehouse (Storage) - Jeremie - WFP Warehouse (Storage)	2.37
Jeremie (Customer Address) - Jeremie - WFP Warehouse (Storage)	3.46
La Borde (Customer Address) - Les Cayes - Airport (Airport)	3.18
La Cahouane (Customer Address) - Les Cayes - WFP Warehouse (Storage)	76.69
Les Anglais (Customer Address) - Les Cayes - WFP Warehouse (Storage)	71.05
Les Cayes - Port (Sea Port) - Les Cayes - WFP Warehouse (Storage)	0.17
Les Cayes - Port (Customer Address) - Les Cayes - WFP Warehouse (Storage)	0.01
Les Cayes - WFP Warehouse (Storage) - Les Cayes - WFP Warehouse (Storage)	5.46
Les Cayes (Customer Address) - Les Cayes - WFP Warehouse (Storage)	0.59
Maniche (Customer Address) - Les Cayes - Airport (Airport)	12.53
Miragoane (Customer Address) - Port-au-Prince - Port Terminal (Sea Port)	93.13
Pestel (Customer Address) - Jeremie - WFP Warehouse (Storage)	57.15
Petite-Riviere-de-Nippes (Customer Address) - Les Cayes - Airport (Airport)	96.89
Port-au-Prince - Port Terminal (Sea Port) - Port-au-Prince - Port Terminal (Sea Port)	0.27
Port-au-Prince - WFP/Agility (Storage) - Port-au-Prince - Minustah Airport (Airport)	4.35
Port-au-Prince (Customer Address) - Port-au-Prince - Minustah Airport (Airport)	5.67
Port-Salut (Customer Address) - Les Cayes - WFP Warehouse (Storage)	30.34
Port à Piment (Customer Address) - Les Cayes - WFP Warehouse (Storage)	55.19
Previle (Customer Address) - Jeremie - WFP Warehouse (Storage)	17.97
Randel (Customer Address) - Les Cayes - Airport (Airport)	62.30
Roche a Bateau (Customer Address) - Les Cayes - Airport (Airport)	39.35
Saint-Louis du Sud (Customer Address) - Les Cayes - Airport (Airport)	32.71
Tiburon (Customer Address) - Jeremie - Airport (Airport)	82.64
Torbeck (Customer Address) - Les Cayes - WFP Warehouse (Storage)	9.13



COFFEE BREAK

Session will re-start at 15:00

Global Logistics Cluster Meeting

Partners as Service Providers



09 – 11 May 2017

Session Objectives

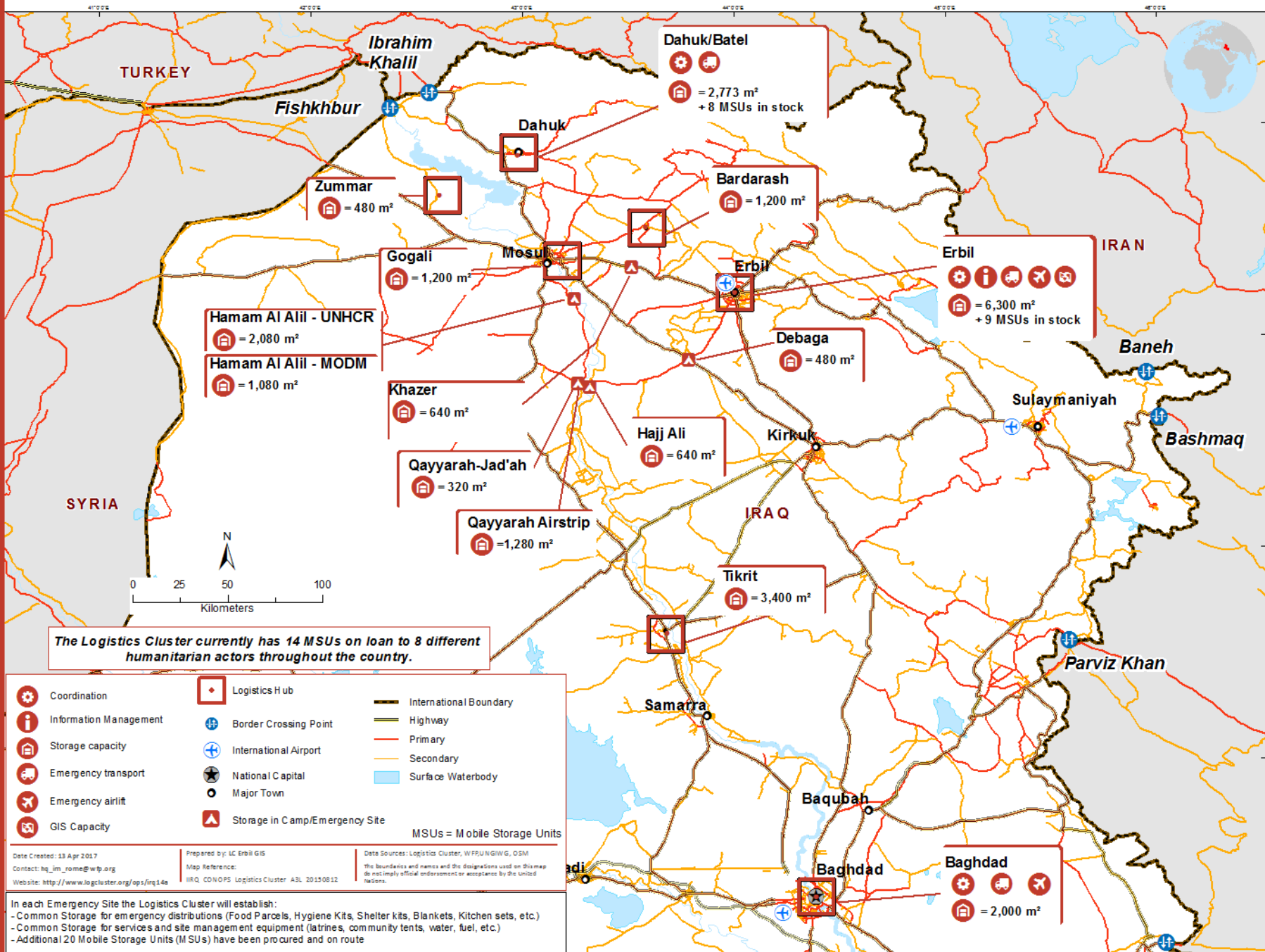


- Provide an overview of partners acting as service providers specifically in the Iraq context
- Understand the pros/cons from partner's perspective
- List suggested recommendations for improvement in terms of partnership for service provision

Introduction



- Update on service provision in Iraq and the different NGO partnerships with the Logistics Cluster
 - In Iraq, we currently have common storage in **14** locations which is managed by **five** different partners:
 - ✓ ACTED
 - ✓ Barzani Charity Foundation – *national NGO*
 - ✓ Mercy Hands – *national NGO*
 - ✓ Welthungerhilfe
 - ✓ World Food Programme
- Field Level Agreements
- Standard Operating Procedures



Location: Zummar, Iraq
Partner: WHH





Location: Hammam al Alil, Iraq

Partner: Mercy Hands



Location: Hammam al Alil, Iraq

Partner: Mercy Hands

Location: Bardarash, Iraq

Partner: ACTED



Panel Discussion



- Panel Discussion with key partners who have acted as service providers:
 - Solidarities
 - Handicap
 - PU/AMI
 - WHH
- Feedback from any partners who have acted as service providers for the Logistics Cluster. Input from partners on:
 - FLA process/development
 - Challenges
 - Support from the Logistics Cluster
 - General feedback on your experience as a service providing partner

Group Discussion



- Groups discuss the following (15 mins):
 - Pros and added value of partners acting as service providers
 - Cons and major challengers
- Merge with your neighboring group (5 mins)
- Present back (3 mins per group)



Recommendations

- How do you think we can best overcome the challenges outlined?
- Key recommendations for improvement

Thank you for your participation!





Market Place Instructions

DINNER

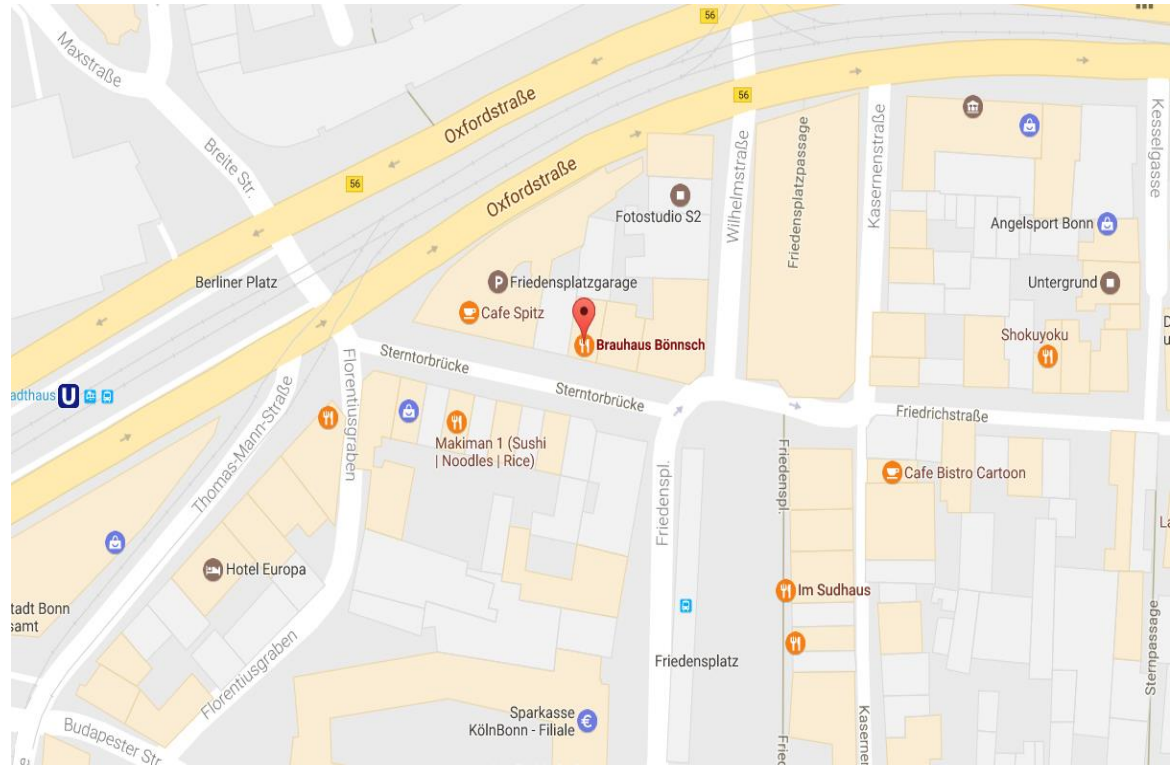


Time: 19h30

**Location: Brauhaus Bönnsch
Sterntorbrücke 4**

53111 Bonn

<http://www.boennsch.de>



Andre Hermann – 003

Lucy Styles – 0032