

Mine Action 2025 – 2nd April 25

*Mines Advisory Group (MAG) Presentation - Lessons Learned from
Iraq and Syria Debris Management and Rubble Clearance*



Introduction and Scope

A brief overview of the contents and scope of the presentation.



This Presentation is aimed to briefly overview lessons learned from MAG's previous urban clearance operations and look to the future of operation in Lebanon and Gaza



Brief overview of MAG Operations



Looking into MAG's past and lessons learned

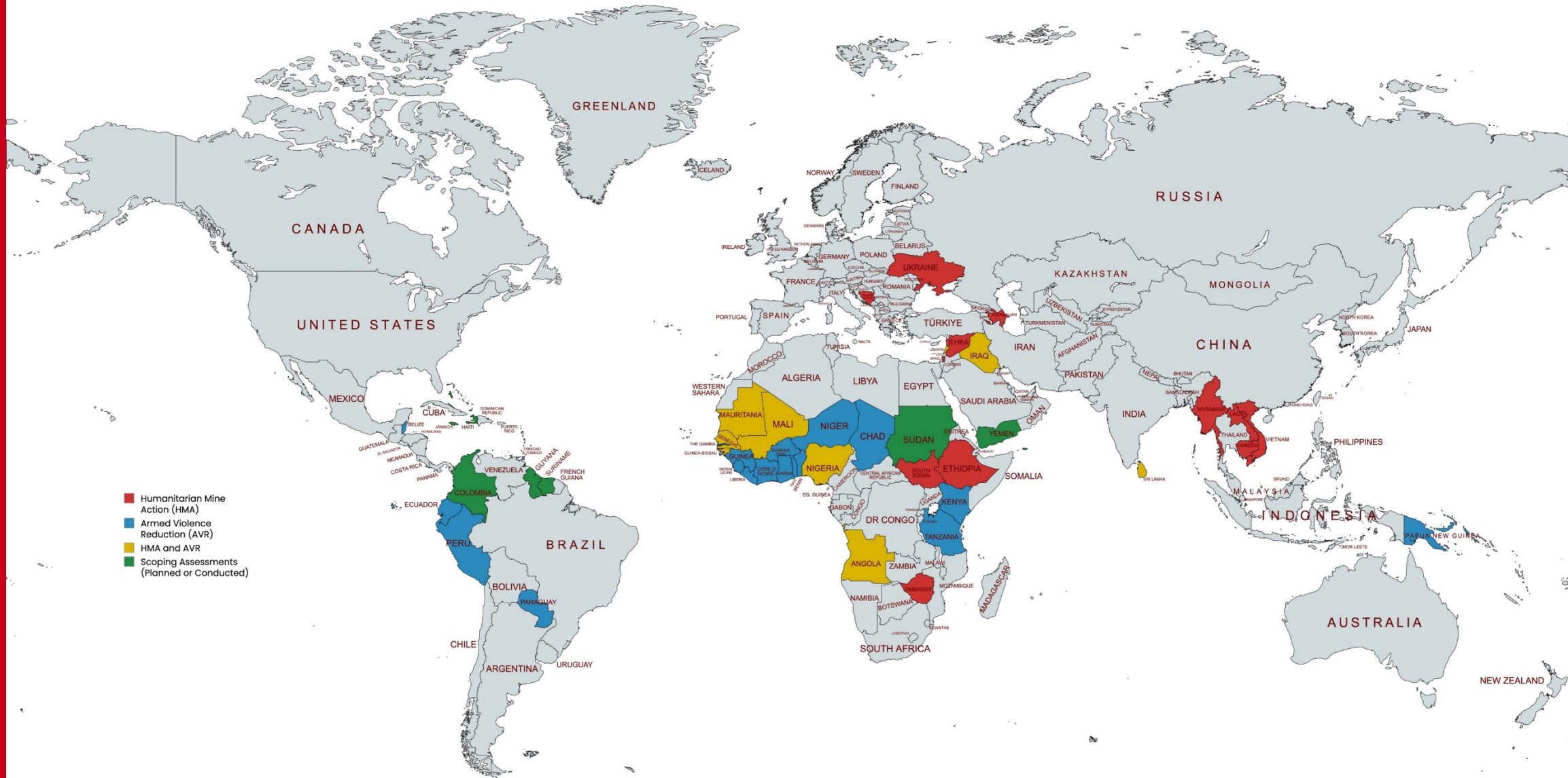


Looking to the future and a new Operating Model in Lebanon/Syria/OPT



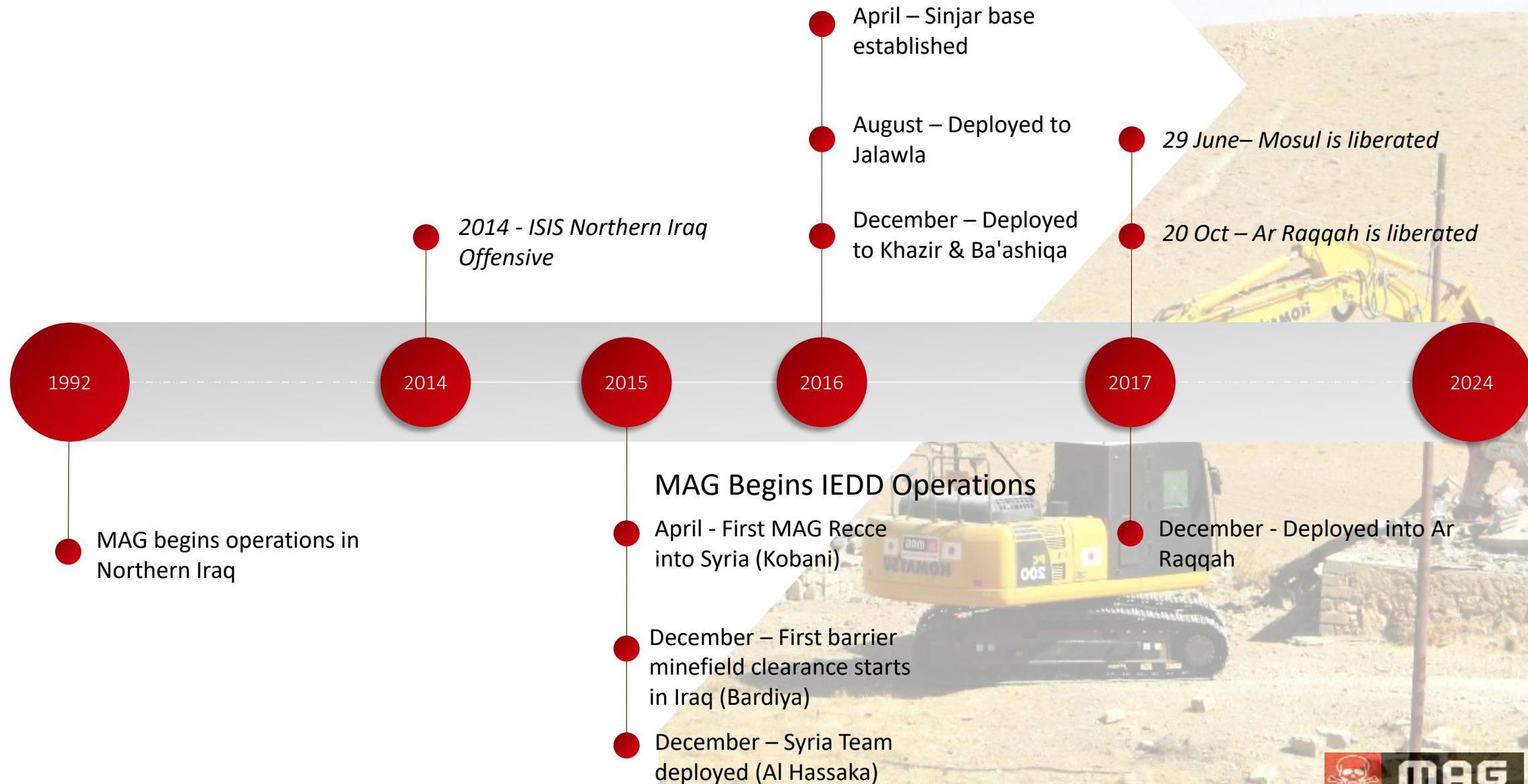
Questions

MAGs Global Operations



An Overview of MAG's Previous Operations

A quick contextual analysis of our previous programmes in Iraq and Syria





Evaluation of MAG's Mine Action Responses in Sinjar and Tel Afar district, Ninewa Governorate, Republic of Iraq

Impact, Challenges and Best Practices

August 2024

1

The upcoming closure of the remaining IDP camps will expose those on the move to the risk of EO related accidents. MA stakeholders should consider a targeted risk education campaign.

2

MAG is encouraged to reconsider the purpose of, and work on, the consistency of current data collection. Data without thorough analysis or putting it into a broader context remains of limited use.

3

With a view on Iraq's APMB and CCM clearance deadlines, MA stakeholders should come to a mutual agreement regarding the remaining needs in Sinjar and Tel Afar, and develop a multi-year plan to finish the job.

4

MA stakeholders should re-establish regular coordination meetings to find solutions to mitigate the challenges that affect the effectiveness and efficiency of the land release process.

5

Stakeholders incl. donors and the GoI should thrive for a more holistic approach to establish durable solutions and agree on priority communities and urban neighbourhoods for reconstruction and development.

6

The MA sector in Iraq as a whole should start discussing the development of a transition plan to residual contamination management that allows for a district-by-district transition.

7

MAG is encouraged to take the lead in the development of a good practice guide on the planning and management of MA in urban environments for the benefit of the wider MA community.

8

MAG should start working on an exit strategy that focuses on enhanced localisation efforts to further help building up local technical, managerial and administrative capacities.

9

MAG is encouraged to explore the costing and reporting of clearance in urban environments in more depth. There is great potential for further discussions that can help improving cost calculation of future tasks.

Gaza Overview

Current State of Debris in Gaza



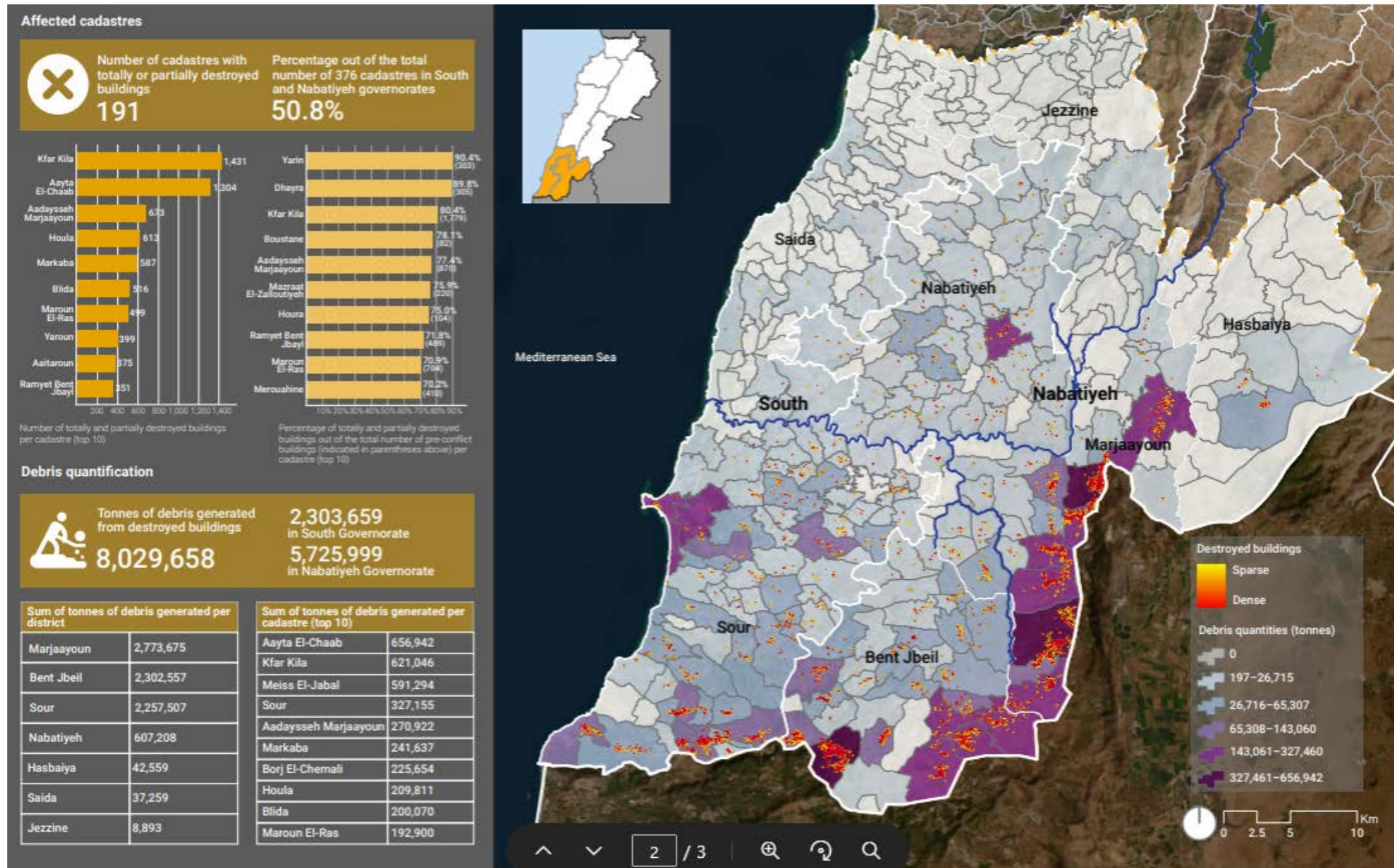
Current Gaza Contamination Picture

Looking at the current state of contamination



Lebanon Overview

Current State of Debris in Lebanon November 2024



Current Lebanon Contamination Picture

Looking at the current state of contamination



Lessons Learned

Looking forward to Syria/Lebanon/OPT

Risk Management
Constrained Safety Distances. Need for armouring?

Availability of Mechanical Equipment
Logistics, lead time, taxes, armoring, LAE vs FEL
(Tracked/Wheeled?), Crushing/Sifters Machines/Attachments
(productivity/cost?) Flexibility over specificity,

Baseline Non Technical Suvery,
Co-ordinated IM, coordinated and systematic approach,
time investment is needed for constant re-survey.

“If it is on the floor there is more”.

Self Clearance of Rubble,
Populations are desperate, where is the rubble
being moved, shifting contamination, designated
inspection areas

Importance of Intial EORE
Acoordinated and systematic
approach, single point of
contact number for locals,

Situational Threats

Tunnels, human remains removal, drones, IEDs, ADW
(shoring/chasing) Secondary Hazards (e.g Asbestos, human waste,
Hospitals/Water treatment plants/electrical substations). CBRNE,
Multi-story (raking/flying/dead shoring), Security of explosives.

Holsitic Debris Management Processes

As early as possible HMA Operators should work
within existing Debris management processes to
ensure management of recycling activities.

Quality of Staff

Varying standards, establish training
school, local EOD safety, Gold Rush.

Liabilities and Ownership

UNESCO sites, homeowners (who owns
it? Do they want it cleared?)

Mind Map of Lessons Learned

Current Technology Projects

Quick look at current RnD Projects



Other Subjects of Discussion

- Disposal of bulk Ammunition Nitrate Explosive Mixes in South America
- Management of Asbestos in Mine Action
- Unplanned Explosions in Ammunition Storage Area and subsequent clearance best practice guides
- Trends in Mine Action Accidents and key lessons learned a 20-year study
- Efficiency of rubble clearance mechanical operating equipment
- Fully Remoting off the shelf mechanical equipment
- Tunnelling, shoring/shafting and ADW
- Developing integrated training across organisations
- Pathways to “100%” mechanical clearance

