

FONDAZIONE SANTAGATA & ICCROM

TALK 1: ANALYSING CONTEXT AND DOCUMENTATION

Post-conflict Recovery Summer School, 5 June 2023



DIAGNOSIS BEFORE TREATMENT - MOSUL AS A CASE-STUDY

1. KNOW THE CONTEXT

2. ADAPT YOUR METHODOLOGY

3. MANAGE THE COMPLEXITY (TRIAGE)

4. BE (SCIENTIFICALLY) CURIOUS

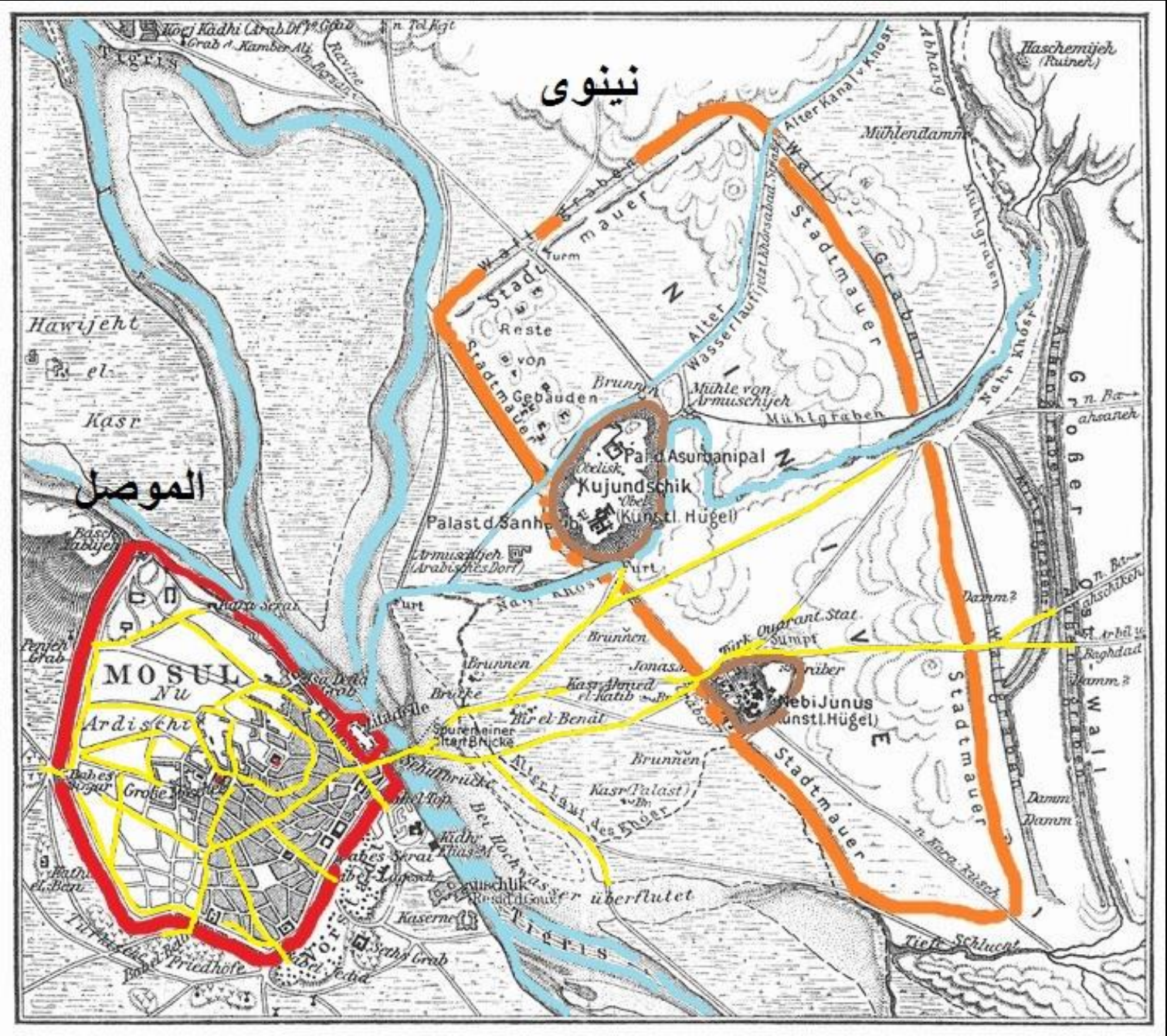
5. PLAN YOUR ACTIONS

1.

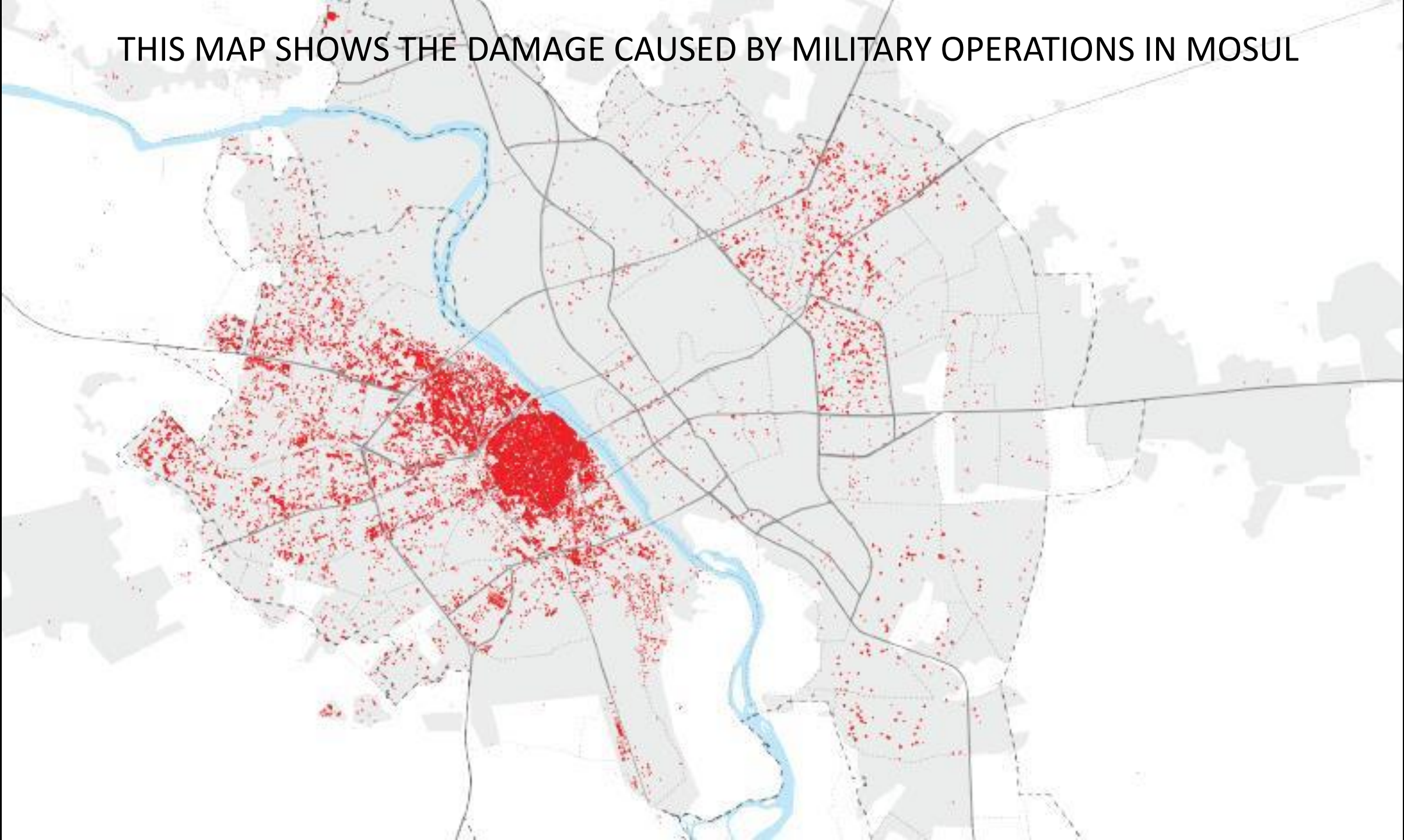
KNOW THE CONTEXT

SITUATION ANALYSIS
STAKEHOLDERS
THE COMMUNITY
RESOURCE MAPPING
BASELINE DATA





THIS MAP SHOWS THE DAMAGE CAUSED BY MILITARY OPERATIONS IN MOSUL



2.

ADAPT YOUR METHODOLOGY

LISTEN TO THE PEOPLE
RESEARCH (case-studies)
HANDBOOK APPROACH
VS. REALITY CHECK
TENTATIVE PLANNING



Engaging local community in the restoration and reconstruction of the historic town

Mosul, Community Event
22 Oct 2018



Al-Nouri Mosque, UNESCO team at work
30 Oct 2018



UNESCO-UN Habitat teams meet with the
Religious Endowments, Mosul, 30 Aug 2018



LEARNING FROM THE PAST

Destruction of European historic towns during WW II (1942-45)



Dresden, Germany



Le Havre, France



Dresden



Rotterdam, The Netherlands



Florence, Italy



3.

MANAGE THE COMPLEXITY [TRIAGE]

DECONTAMINATION

DEBRIS MANAGEMENT

DAMAGE ASSESSMENT

DOCUMENTATION



EMERGENCY ISSUES TO BE DEALT IMMEDIATELY (The 4 Ds)



DECONTAMINATION

Human bodies, IEDs, ERW, etc.

DEBRIS MANAGEMENT

DAMAGE ASSESSMENT

DOCUMENTATION





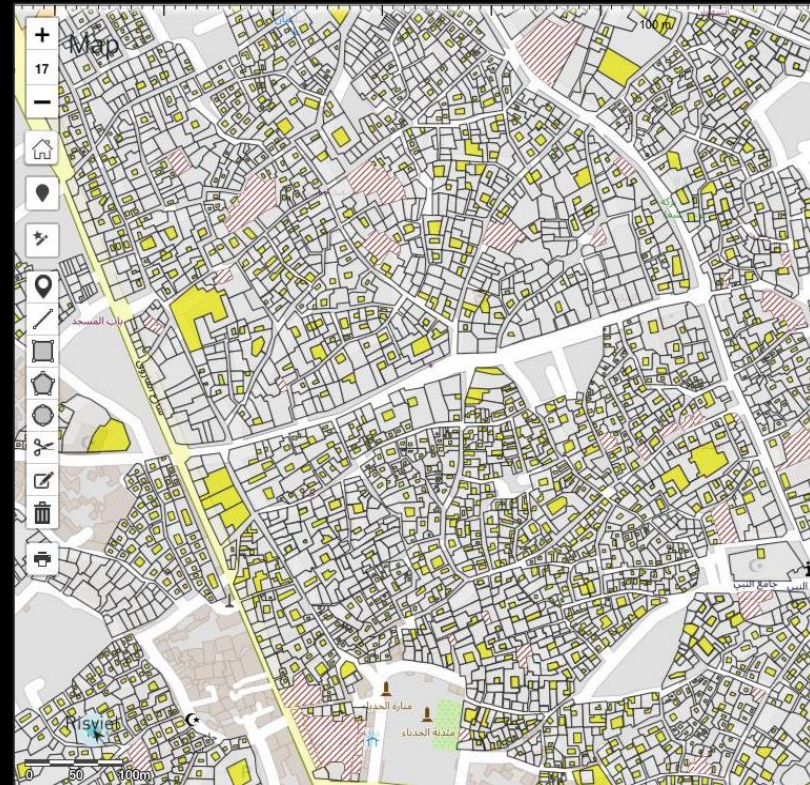
TRIAGE

- Emergency Measures
- Fundraising
- Planning
- Research
- Stakeholders relations
- Mobilization
- ...
- Managing the complexity

4.

BE (SCIENTIFICALLY) CURIOUS

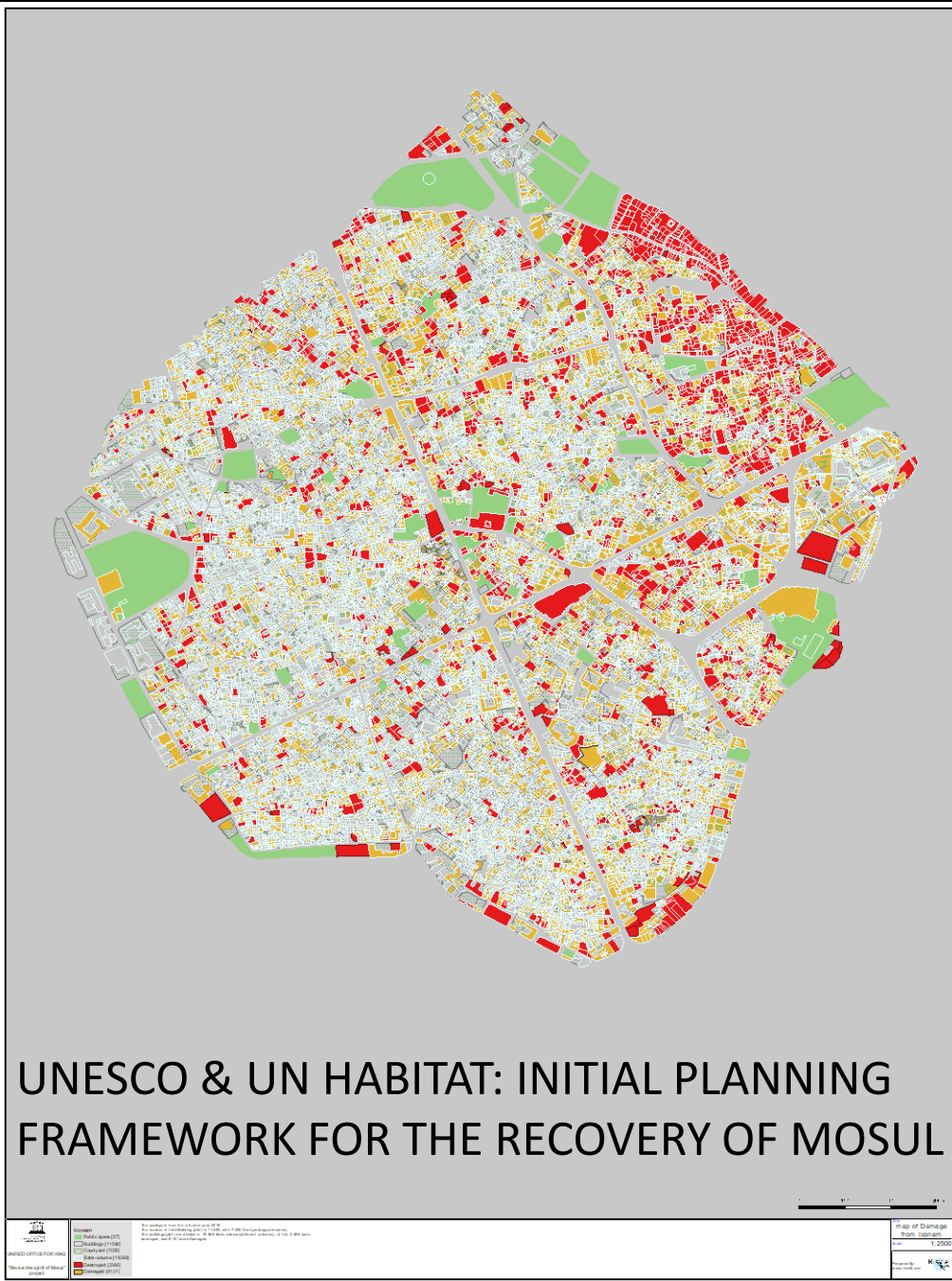
TOPOGRAPHIC SURVEY
LASER SCANNER (TLS)
TERRESTRIAL PHOTOGR.
AERIAL PHOTOGR.
VECTOR MAPS
GIS DATABASE



Drone vision in February 2018 (UNESCO/Iconem)

Full documentation and damage assessment of the historic urban fabric





GeoDoc v3.0.0 - GIS and Document Management

Press F11 to switch Fullscreen

BASE LAYER: OpenStreetMap

OVERLAY: Raster

- Musul 1900
- Musul 1944
- Satellite 2007
- Survey 2007
- Ortho 2013
- Post Isis 2017
- 2018 March

Vector

- Musul Perimeter
- Blocks

Building

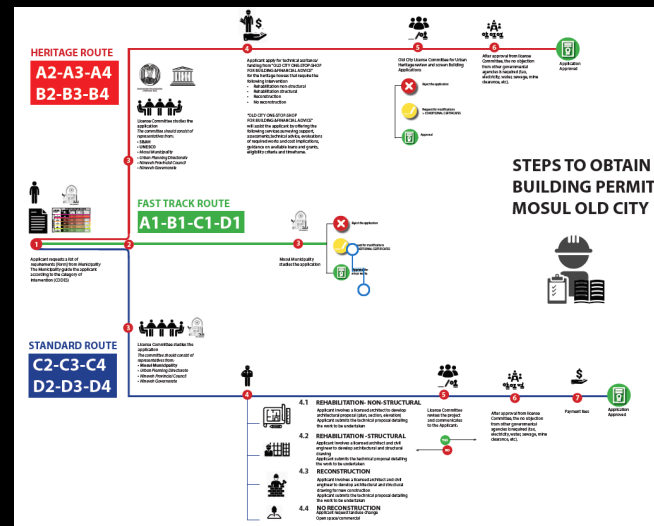
- Building
- Construction Period
- Unitar 08-2017

Transparency: [Slider]

GPS: 36.34412, 43.13273
 N 36° 20' 6.469" E 43° 7' 9.638"
 N 36° 20' 38.82" E 43° 7' 57.83"
 UTM: 38S 0332433 4023736
 UTM REF: 38S LF 32433 23736
 QTH: LM16N
 NAC: P1PLHL LK5XM9

BUILDING APPLICATION 'TRACKS'

CRITERIA GUIDING INTERVENTIONS IN OLD MOSUL	ARCHITECTURAL/HISTORICAL VALUE			
	A HIGH (LISTED)	B MEDIUM (HISTORIC-VERNACULAR)	C LOW (TRADITIONAL)	D NONE (MODERN)
4 DESTROYED	A4	B4	C4	D4
3 SEVERE	A3	B3	C3	D3
2 MAJOR	A2	B2	C2	D2
1 MINOR	A1	B1	C1	D1
0 NEGLIGIBLE	A0	B0	C0	D0





Aerial view

BEFORE DESTRUCTION



Drone Imagery

AFTER DESTRUCTION



Heritage Value

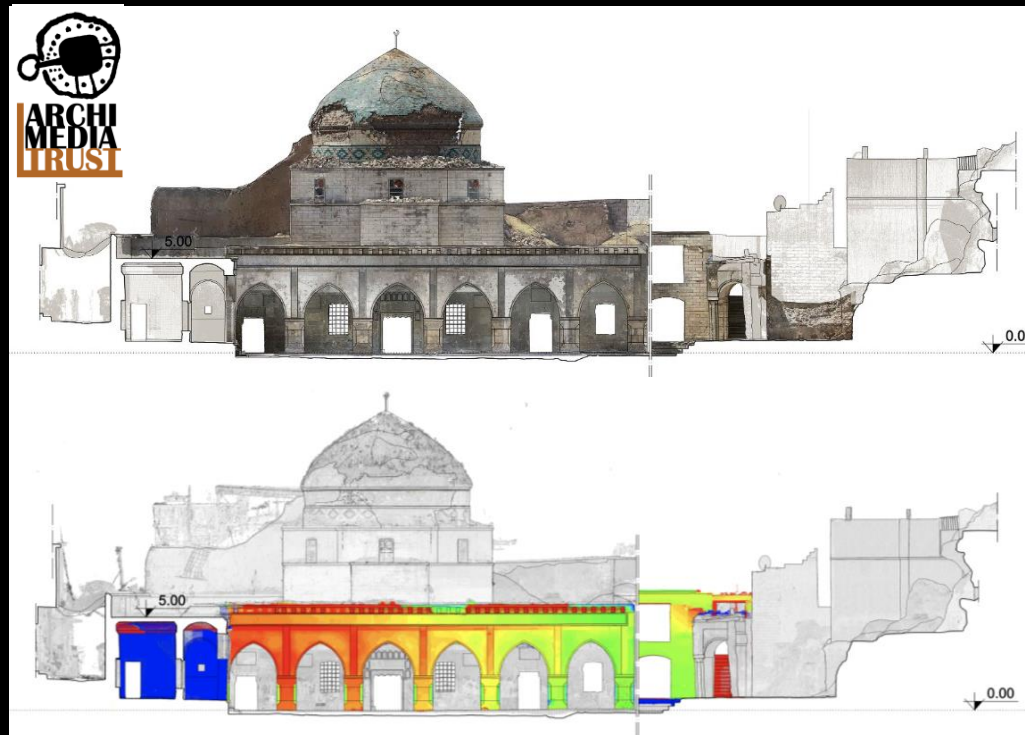
- LOW
- MEDIUM
- HIGH
- SPECIAL

Damage Value

- NO DAMAGE
- MINOR
- MODERATE
- MAJOR
- SEVERE or DESTRUCTION
- SEVERE or DESTRUCTION at URBAN SCALE



AL-RAABIYA MOSQUE IN MOSUL POST-CONFLICT RECOVERY Documentation for restoration





THANK YOU

History repeats itself, but the special call of an art which has passed away is never reproduced. It is as utterly gone out of the world as the song of a destroyed wild bird
Joseph Conrad, *The Mirror of the Sea* (1906)