

Humanitarian Needs Assessment & Information Management UMass Amherst – March 2, 2021

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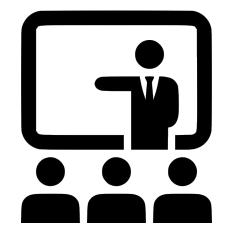


2006 Israel-Hezbollah War

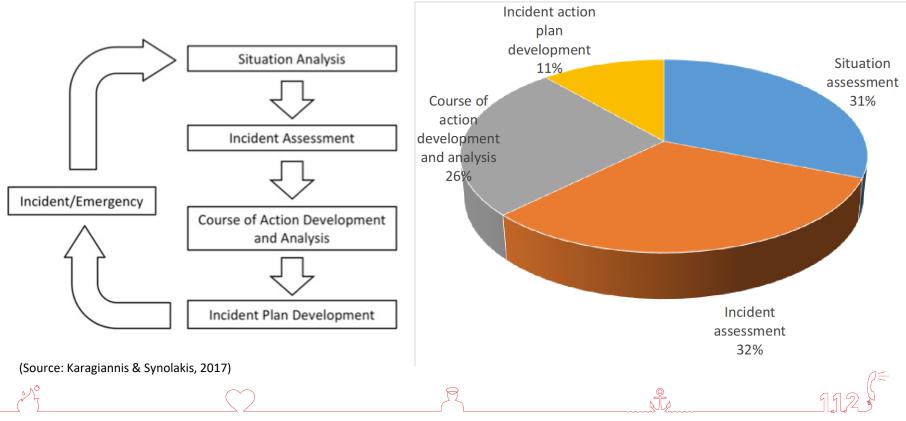




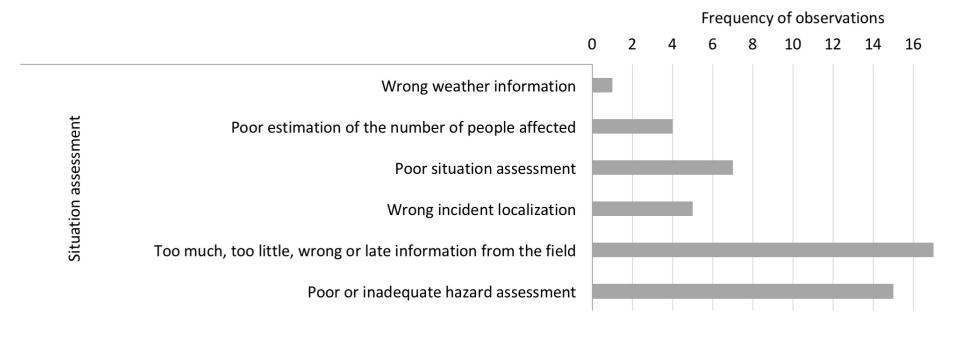
- The role of needs assessment and information management in response planning
- Needs assessment and information management challenges
- How does a needs assessment work?
- Collecting and analyzing information



Twenty Challenges in Response Planning



The case for needs assessment

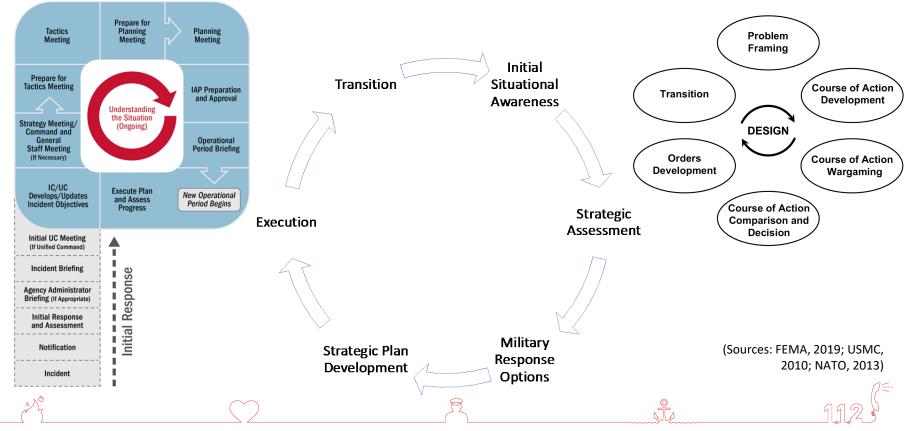


(Source: Karagiannis & Synolakis, 2017)

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A.

Incident/Response Planning Processes



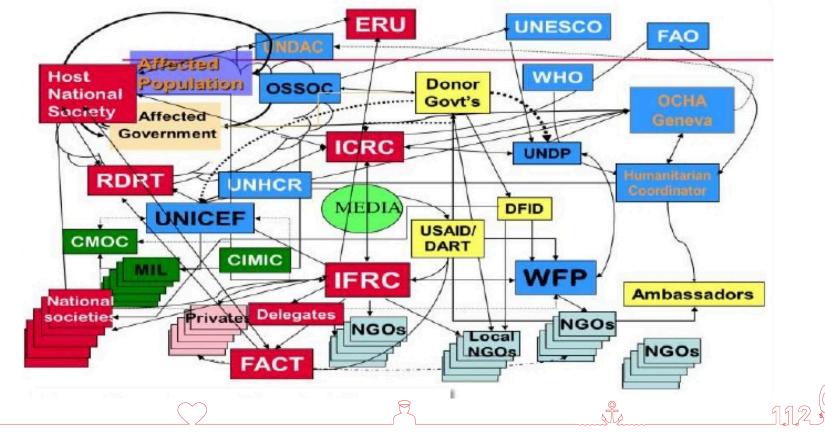
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CLEAN

Humanitarian Program Cycle



Who coordinates the coordinators?







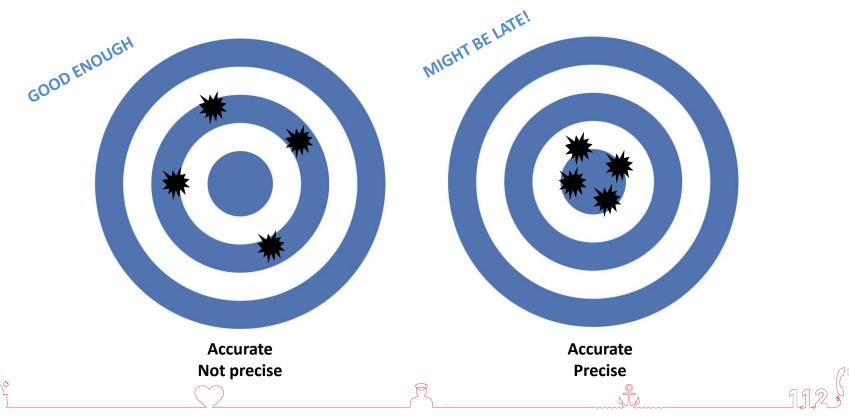
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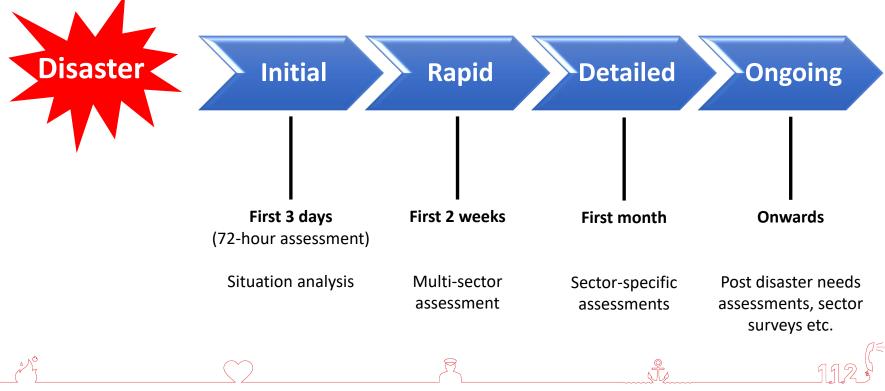


How much is good enough?





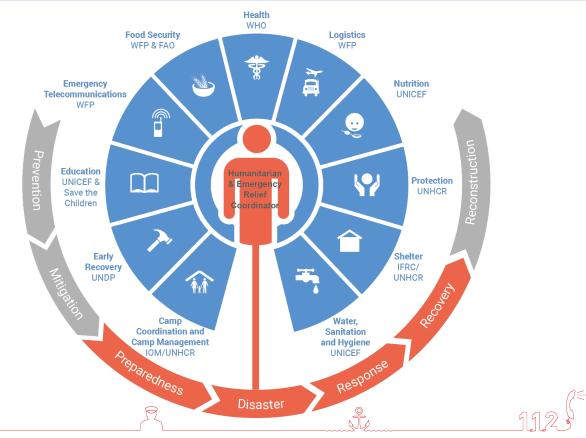
Disaster needs assessment timeline





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United Nations Cluster Approach





- ESF #1: Transportation
- ESF #2: Communications
- ESF #3: Public Works and Engineering
- ESF #4: Firefighting
- ESF #5: Information and Planning
- ESF #6: Mass Care, Emergency Assistance & Human Services
- ESF #7: Logistics
- ESF #8: Public Health & Medical Services

- ESF #9: Search and Rescue
- ESF #10: Oil & HazMat Response
- ESF #11: Agriculture and Natural Resources
- ESF #12: Energy
- ESF #13: Public Safety & Security
- ESF #14: Cross-Sector Business and Infrastructure
- ESF #15: External Affairs



National Response Framework Fourth Edition October 28, 2019



- Economic Recovery
- Community Planning and Capacity Building
- Housing Recovery
- Health and Social Services
- Infrastructure Systems
- Natural and Cultural Resources



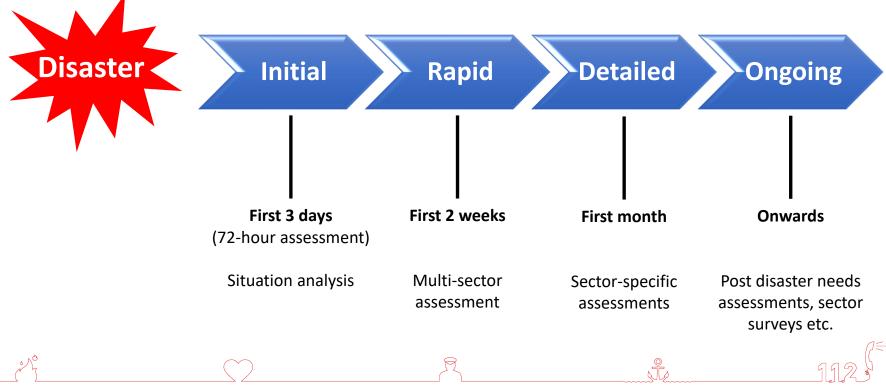
National Disaster Recovery Framework

Second Edition June 2016



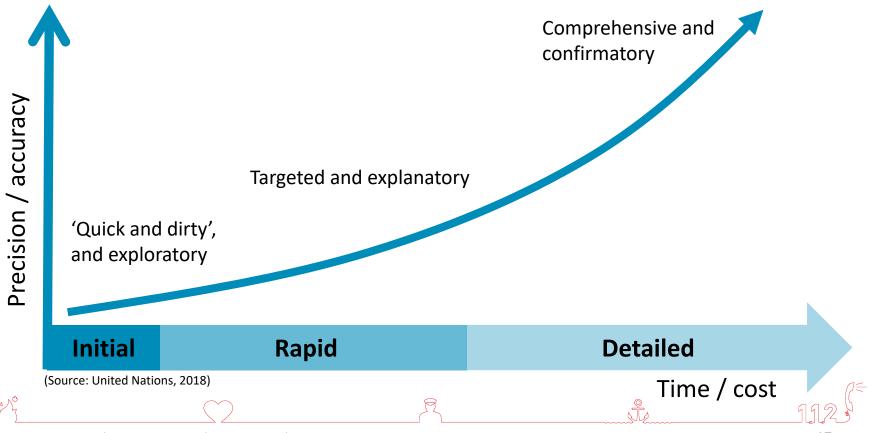


Disaster needs assessment timeline

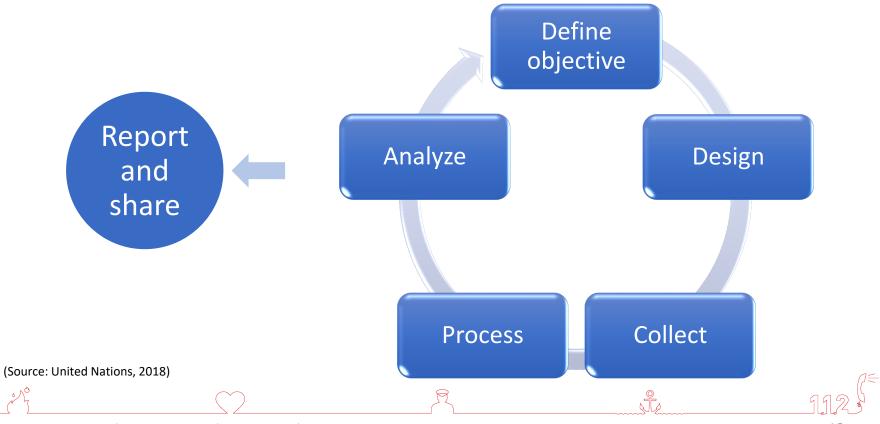




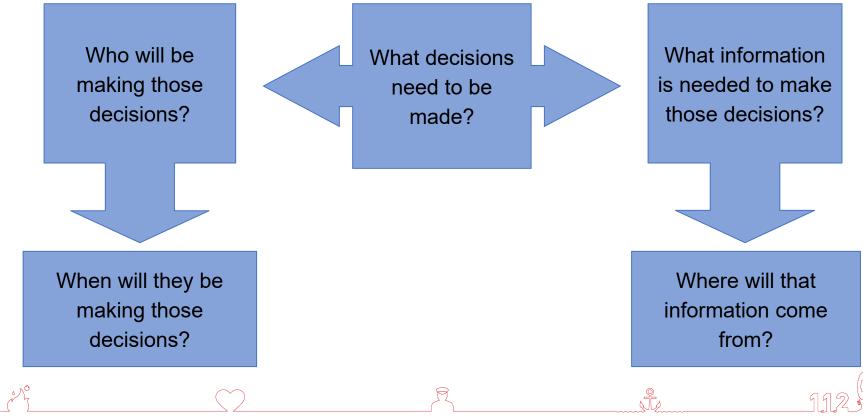
Assessment types



How do assessments work?



What do you need to know?





Information sources

Primary data

- Data collected directly through field work
- Data you collected yourself
- Not analyzed

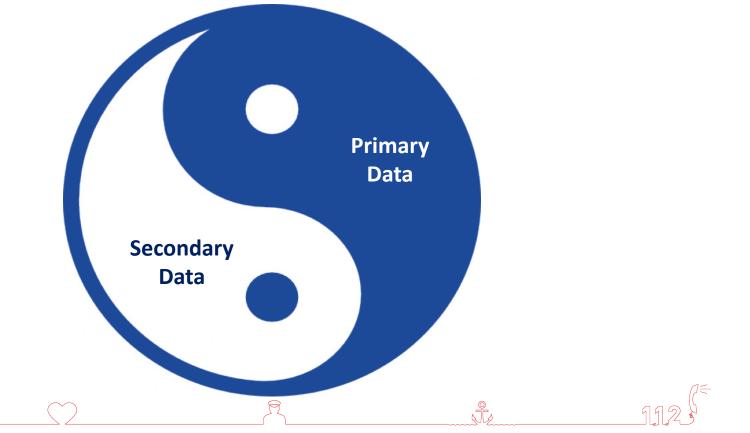
Secondary data

 Data collected by someone else

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• May have been analyzed



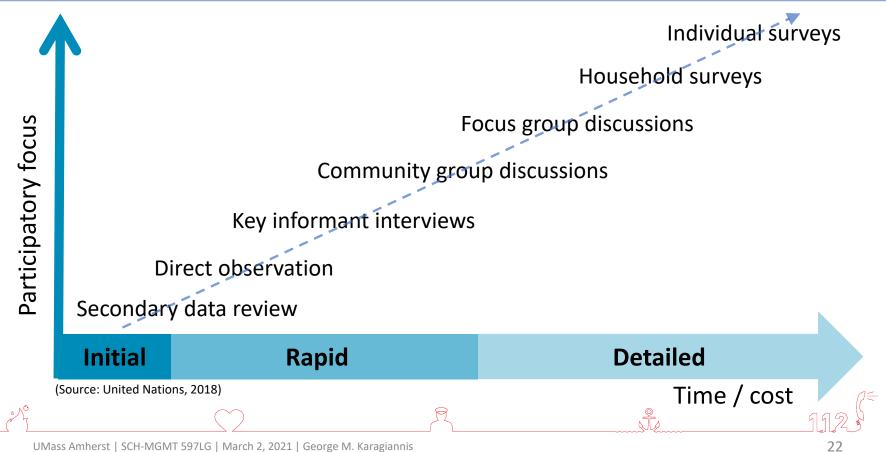


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Data collection techniques



Primary Data: Direct Observation

- Observe people's physical condition and activities
- Ask questions
- Visit homes, shelters, water sources, clinics, distribution centers
- Observe children, the elderly and the sick
- Observe the daily lives of women (female interviewers)
- Observe the services, vehicles, sanitation systems
- Make sketches, take photographs or use videos.



- 1. Individual interviews
- 2. Community group discussions

General community information

3. Focus group discussions Information on specific social groups, e.g. by livelihood activities and capabilities

4. Household surveys

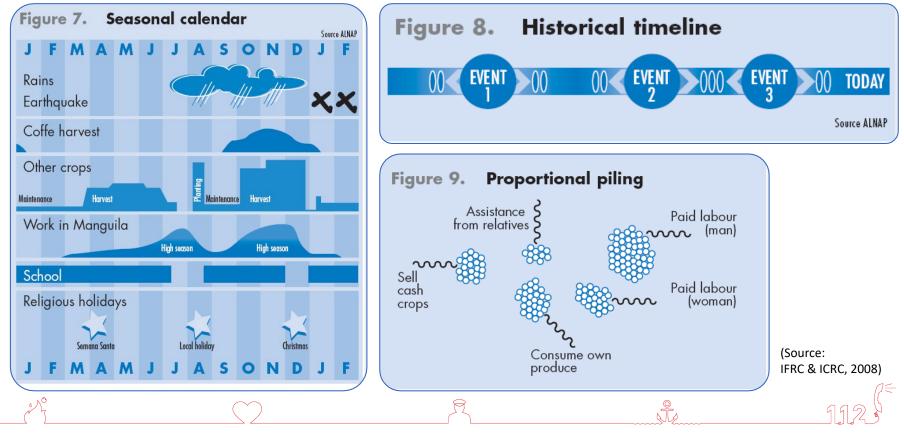
First-hand experience of living conditions

5. Key informant interviews

Technical information provided by key informants from relevant sectors (e.g. health staff)

(Source: IFRC & ICRC, 2008)

Interviews, Discussions & Surveys



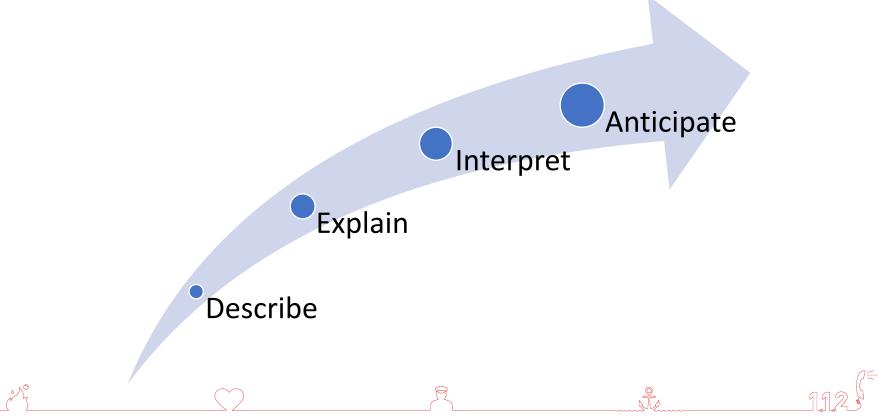


- Spatial
- Project
- Person
- Season
- Mandate or specialty
- Political
- Cultural

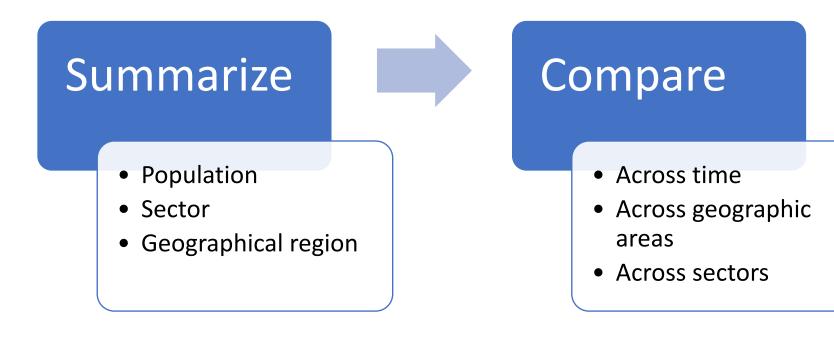
- Class or ethnic
- Interviewer or investigator
- Key informant
- Gender
- Time of day or schedule

Sampling









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Summarization = Identification



- ➢ Population
 - May be everyone in a particular region (quite rare)
 - Often information is only available on a particular group



- Sector the data relates to
 - Based on clusters, sectors, ESFs etc.
 - May be multi-sector



➤Geographic area from which the data were drawn



Establishing rates...

Affected people

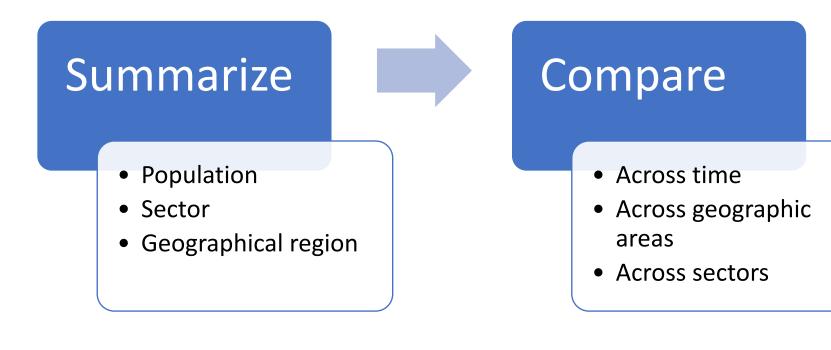


Number of people living in an area (all sectors)

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RATE

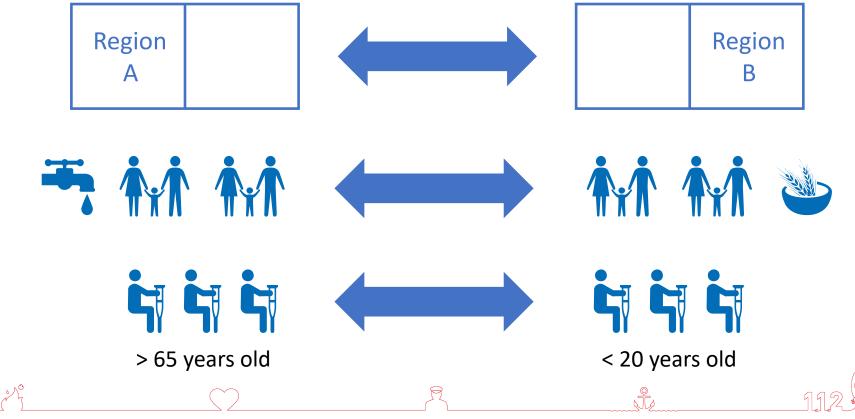




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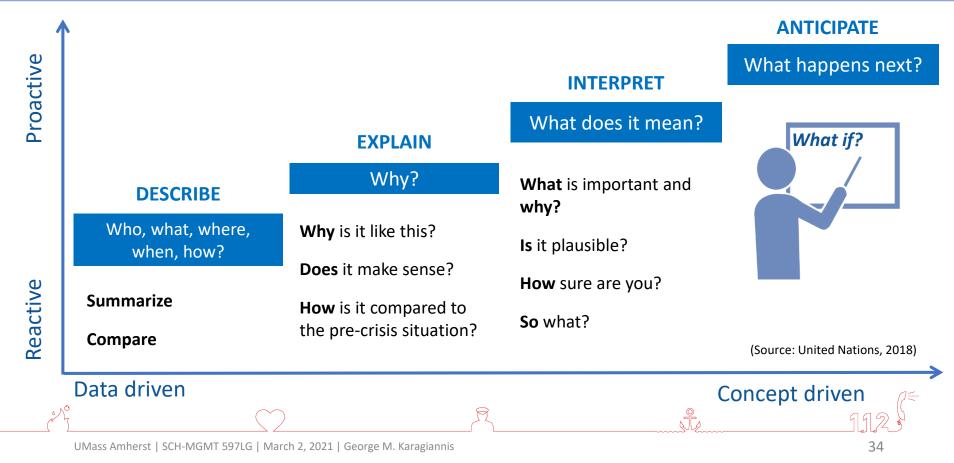






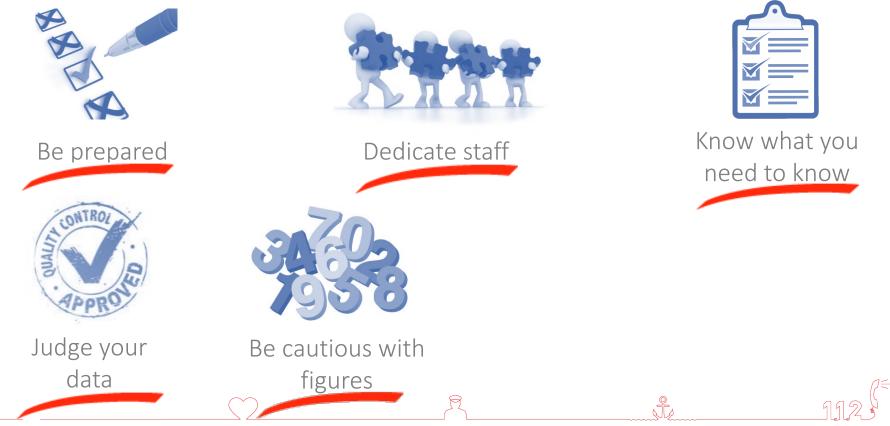


Information analysis in a nutshell





Information analysis key principles





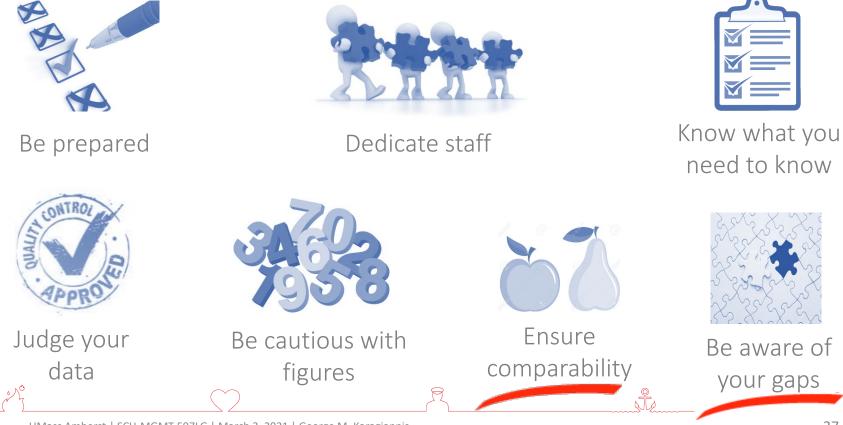
Statistical Snapshot*

Residing in Central African Republic [1]	
Refugees [2]	14,322
Asylum Seekers [3]	2,636
Returned Refugees [4]	1
Internally Displaced Persons (IDPS) [5]	894,421
Returned IDPs [6]	0
Stateless Persons [7]	0
Various [8]	0
Total Population of Concern	911,380
Originating from Central African Republic [1]	
Refugees [2]	252,865
Asylum Seekers [3]	7,475
Returned Refugees [4]	1
Internally Displaced Persons (IDPS) [5]	894,421
Returned IDPs [6]	0
Various [8]	0
Total Population of Concern	1,154,762
Notes + * As at January 2014	

KEY FIGURES 10.8 million M people in need inside Syria Mar Sep Dec Apr Jun 12 12 12 13 14 **'UN Estimate**

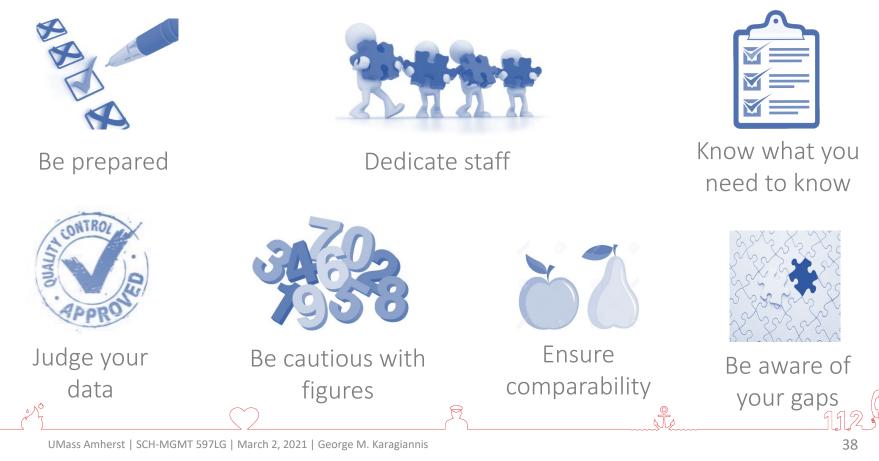


Information analysis key principles





Information analysis key principles





- Needs assessment and information management drive disaster response efforts
- The precision and accuracy of information management increase with the time available.
- Initially, time is of the essence: you will have to rely on secondary data
- Build your data collection efforts with time.
- Don't just collect and present data, analyze!
- Analysis = Describe + Explain + Interpret + Anticipate



Thank you for your attention!

