



# GPA Research and Evidence Group Call

## 18<sup>th</sup> May 2021

### Global Data Progress and Measuring Energy Access in Displacement Contexts

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# Agenda

- 1. General introduction and welcome to the call  
(Sarah Rosenberg-Jansen, GPA and the University of Oxford - 15min)
- 2. What we know so far in the sector and the data gaps remaining  
(Iwona Bisaga, MECS programme at Loughborough University - 15min)
- 3. Presentation on the work on the IOM Energy Needs Framework  
(Adam Matthey-Junod and Anaïs Ostaszewski, IOM - 30 min).
- Coffee break and stretch (5 mins)
- 4. Interactive activity: extracting value from IOM's framework for other organisations  
(2 breakout rooms facilitated by Adam Ostaszewski and Anais Matthey-Junod, IOM - 45 min)
- 5. Closing: reflections and next steps for IOM data collection (15min)



# Global Platform of Action (GPA) for Sustainable Energy Solutions in Situations of Displacement

- New GPA Platform title and changes to website: <https://www.humanitarianenergy.org/>
- New steering group members of the GPA as below
- For new members can sign-up to newsletter on homepage above
- [LinkedIn](#) Humanitarian Energy Practitioners Group
- Our group title: GPA Research and Evidence Group

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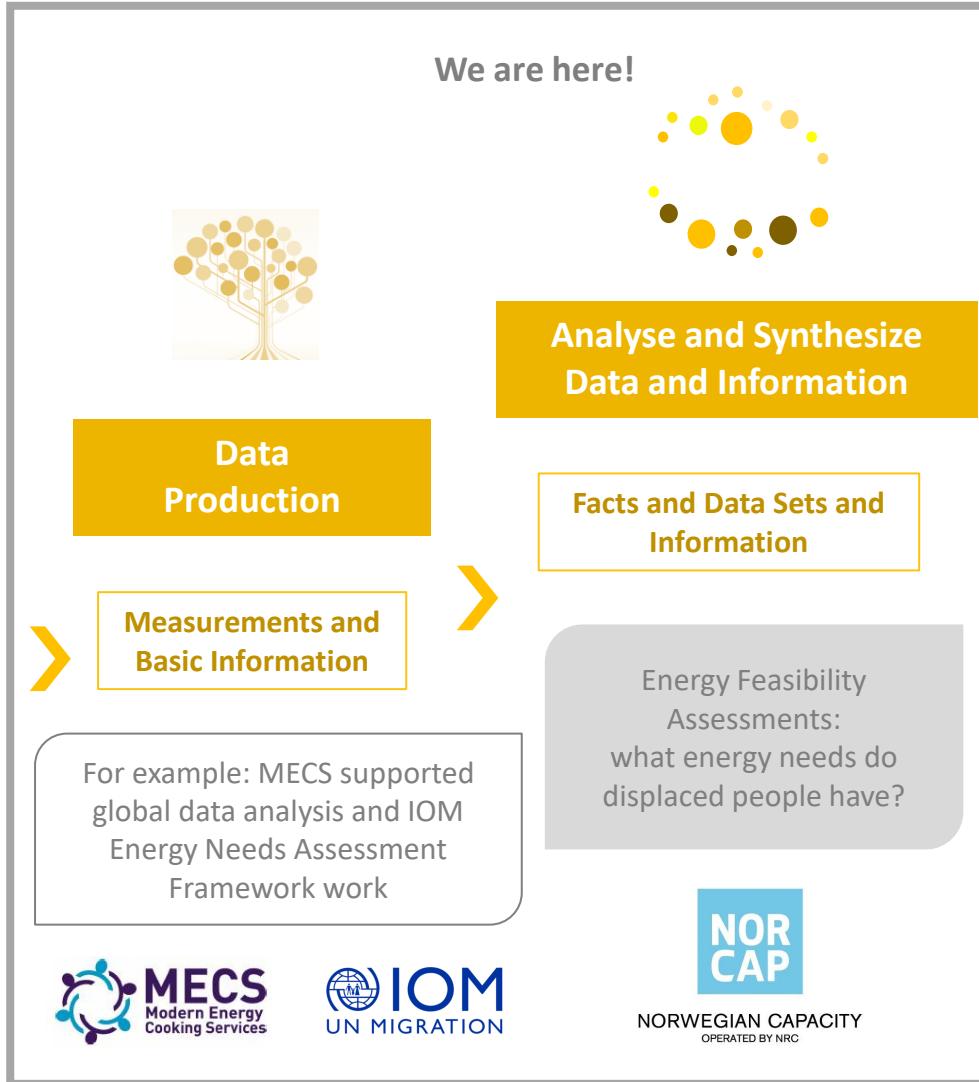


# Previous Calls and GPA Data Workshops

- Last working group call: Jan 2021 to decide on directions and group focus activities. Online information [here](#).
- December 2020 GPA Data Workshops: online December session 1 [here](#) and December session 2 [here](#).
- Over the past 9 months, focusing on three core areas to drive global and project data forward.



# Data Progress Recap



**Decision-making and Disseminate Results**

Evidence and Evaluation

Programme design tools: what can help us design effective energy programmes?

**Programme Design and Implementation**

Knowledge and Informed Decisions

**Evaluate and Learn**

Strategic Planning and Investment

Information sharing: do we all know what each other are doing?

**Global analysis and state of humanitarian energy sector: overall, how are we progressing?**



**Harmonise Data and Decide on Indicators**

**Data mapping and institutional alignment on indicators**

Standardised indicators: Can we tell what progress is being made?



# Today's Call

- **Global Data Progress and Measuring Energy Access in Displacement Contexts.**
- The session is co-hosted with the International Organisation for Migration (IOM).
- We welcome two of their data and energy finance specialists, Anaïs Matthey-Junod and Adam Ostaszewski, to discuss their work developing the IOM Energy Needs Assessment Framework.
- We will hear from sector specialists at the MECS programme and IOM about the importance of data for humanitarian energy, before moving on to an interactive group discussion on understanding how energy assessment frameworks can be used within and across humanitarian organisations.
- Our previous data workshop information in December is online here:  
<https://www.humanitarianenergy.org/news/latest/gpa-data-workshop-facilitating-data-sharing-and-analysis>.



# Global Facts and Figures

- What we know so far in the sector and the data gaps remaining
- Iwona Bisaga
- MECS programme at Loughborough University
- Work supported by UK FCDO
- 15 mins



Foreign, Commonwealth  
& Development Office



# Data: what do we know so far and what gaps are remaining?

Energy access in refugee camps

18<sup>th</sup> May 2021

Dr Iwona Bisaga

[i.m.bisaga@lboro.ac.uk](mailto:i.m.bisaga@lboro.ac.uk)





# The high level numbers

**>80 million** forcibly displaced people globally, with more than **26 million refugees** (UNHCR, 2020)

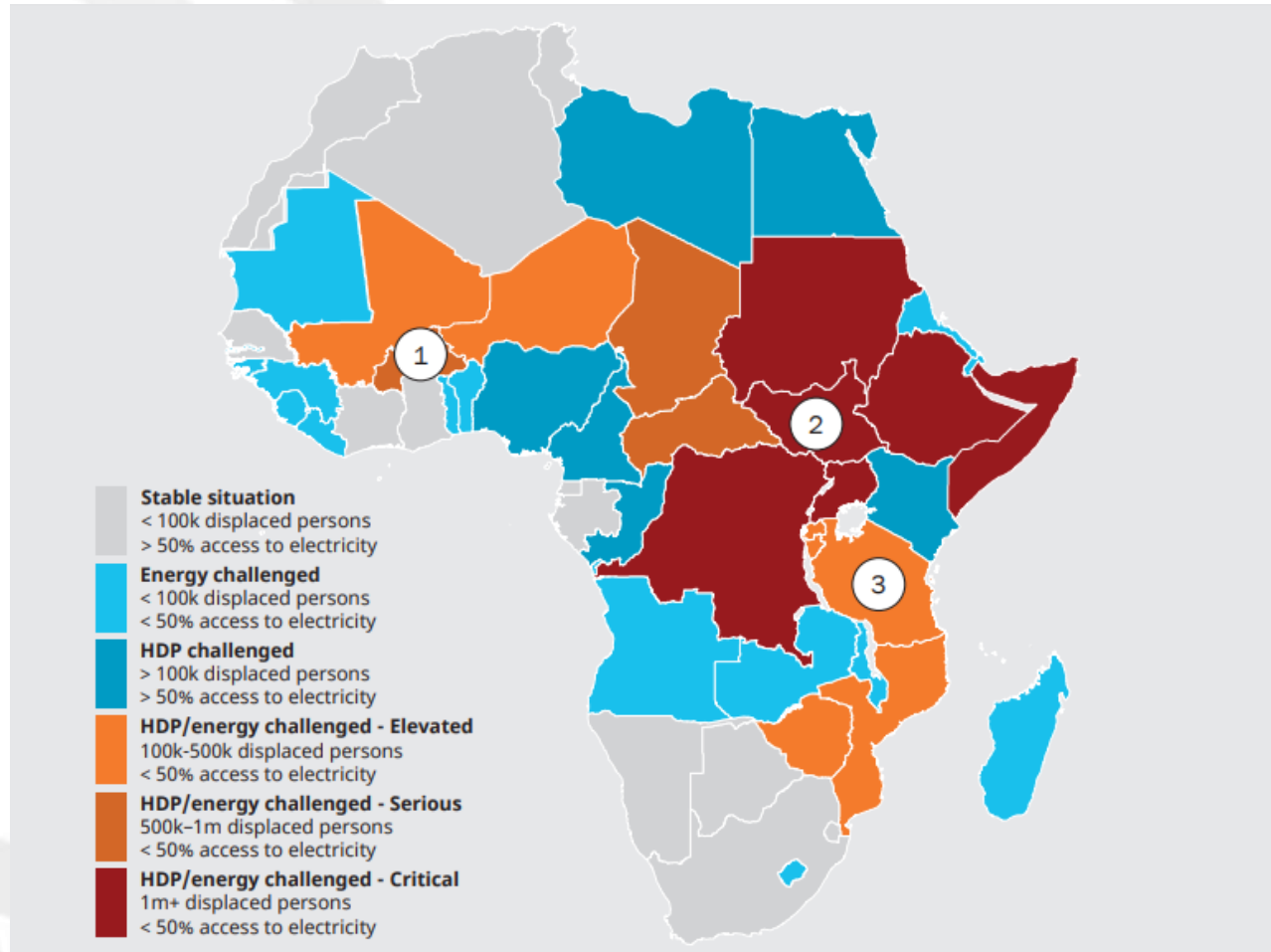
**~90%** of the displaced populations in Africa lack sufficient access to energy (NORCAP & BCG, 2020)

**~80% & ~90%** of the displaced people without access to electricity and energy for cooking, respectively (MEI, 2015)

**US\$ 223 million**

spent by refugees and internally displaced people for off-grid lighting in 2018: US\$ 121 million in camps, US\$ 27 million in slums, US\$ 65 million in rural areas, and US\$10 million in urban areas (Lighting Global, 2019)

# Displaced in Africa and what energy offers to them



1

Humanitarian opportunity – Burkina Faso (displaced population >850k)

2

Peace opportunity – clean energy for peacebuilding in South Sudan

3

Development opportunity – for both host communities and the displaced in TNZ

Source: UNHCR (2019), IEA (2018), European Commission, Worlddata.info, NORCAP-BCG analysis

## REFUGEES IN CAMPS



≥ Tier 2



≥ Tier 2



Number of  
refugees in  
camps  
(2020)

Total number  
of refugees in  
the country  
(2020)

Total global  
number of  
refugees  
(2020)



	≥ Tier 2	≥ Tier 2	Number of refugees in camps (2020)	Total number of refugees in the country (2020)	Total global number of refugees (2020)
Iraq	100%	100%	~95,000	~245,000	<b>26 million</b>
Jordan	100%	>90%	~745,000	>126,000	
Lebanon	96%*	98%	~230,000	>1.5 million	
Burkina Faso	33%	5%	~25,000	~25,000	
Bangladesh	32.2%	88%	~880,000	~880,000	
Rwanda	19%	40%	~164,000	~164,000	
Kenya	14%	14%	~420,000	>500,000	
Djibouti	7%	7%	>29,000	>29,000**	
Ethiopia	7%	6%	>735,000***	>735,000	
Uganda	1%	45%	~1.4 million	~1.4 million	
<b>TOTAL</b>	/	/	<b>&gt; 3.8 million</b>	<b>&gt; 4.7 million</b>	

# Iraq

 ≥ Tier 2	 ≥ Tier 2	Number of refugees in camps (2020)	Total number of refugees in the country (2020)
100%	100%	~95,000	~245,000

**Electricity and cooking:** Data based on the Darashakran and Domiz 1&2 refugee settlements (IRENA, 2019)

# Jordan

 ≥ Tier 2	 ≥ Tier 2	Number of refugees in camps (2020)	Total number of refugees in the country (2020)
100%	?	~745,000	>126,000



**Electricity:** Azraq and Zaatari camps + urban Irbid Governorate (RE4R Practical Action, Mercy Corps 2020)

According to UNHCR 2021 data 100% have electricity access in Azraq and Mafraq (Tier not specified)

**Cooking:** Data based on Zaatari and Azraq camps; in both: mainly standard LPG cookers with coupon for fuel. With free electricity there has been a significant increase in electrical cookers; people sell their LPG coupon (UNHCR, 2021)

Average electricity consumption is 78kWh per month per households or 2.4 kWh per day for 12 hours (UNHCR, 2021)

# Lebanon

		Number of refugees in camps (2020)	Total number of refugees in the country (2020)
≥ Tier 2	≥ Tier 2		
96%*	98%	~230,000	>1.5 million

**Electricity and cooking:** data according to VASyR 2020 (UNHCR et al, 2020)

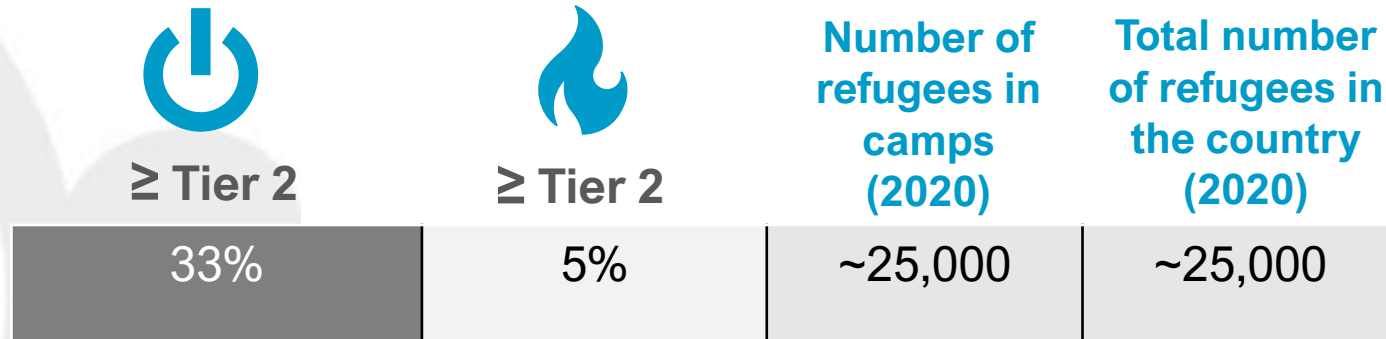
Weighted expenditure on power	Monthly expenditure on Grid	Monthly expenditure on Generator	Expenditure on Grid + Generator
Lebanese host communities	\$ 33.8	\$ 38.5	\$ 72.3
Syrian refugees in refugee settlements	\$ 12.2	\$ 15.0	\$ 27.2
Syrian refugees in rented accommodation	\$ 22.5	\$ 23.6	\$ 46.1

Average expenditure on grid and diesel gen-sets for Lebanese host communities and Syrian refugees. Source: Lighting Global (2019)

“On average, Lebanese spend 9% of their income on energy needs, compared to 18% for Syrians in refugee camps and 23% for those in (rented) accommodation.” (Lighting Global, 2019)

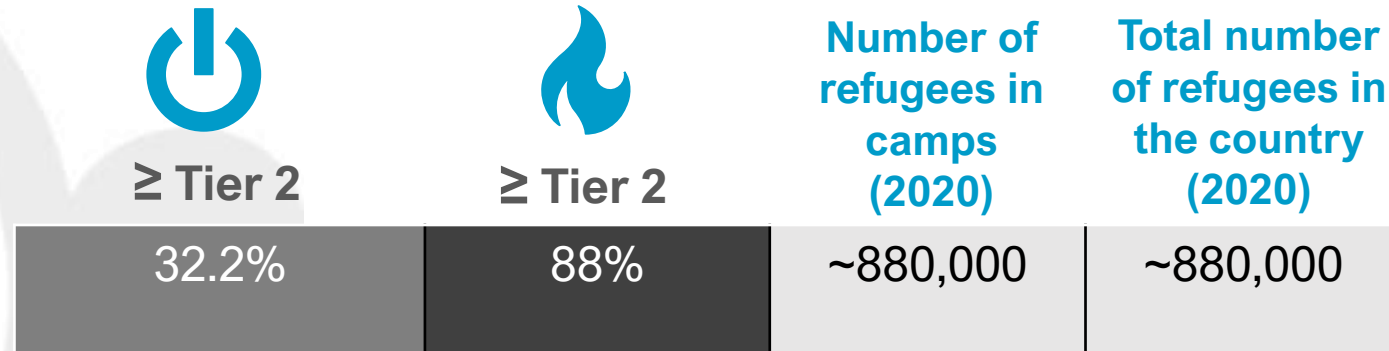
\* There is a heavy reliance on informal electricity services in the camps (<https://www.jadaliyya.com/Details/40397>)

# Burkina Faso



**Electricity and cooking:** data for Goudoubo camp from MEI (2015)

# Bangladesh

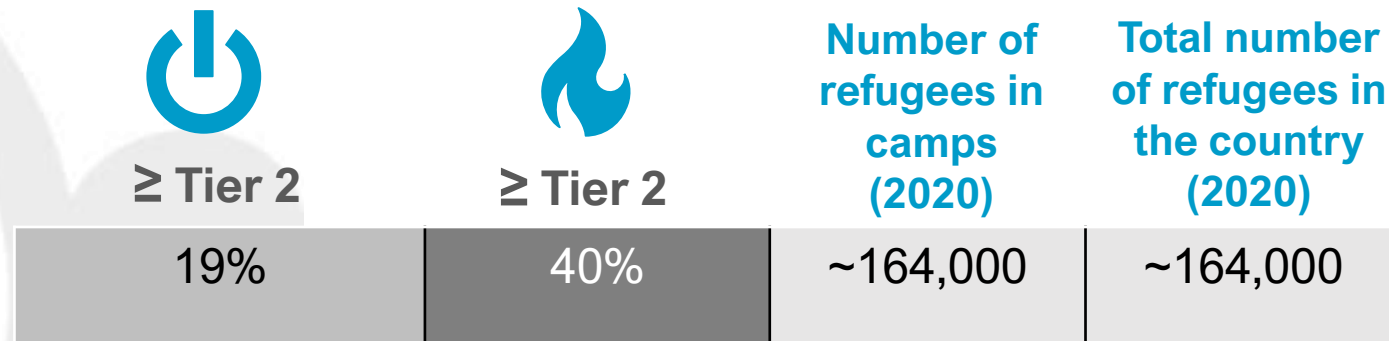


**Electricity:** data from World Bank (2016); according to UNHCR (2021): 27% of refugees in Kutapalong (Cox's Bazar) have electricity access (Tier not specified)

**Cooking:** LPG programme: 88% report using exclusively LPG, data from J-MSNA Food Security Cluster (ISCG, 2020)



# Rwanda





**Electricity:** data from Practical Action (2020), based on Nyabiheke, Kigeme and Gihembe camps (RE4R) (8% no electric lighting, 23% solar lantern or rechargeable battery, 16% SHS, 2% mini-grid) (-> 81% Tier 0 or 1, 19% Tier 2)

According to UNHCR 2021 data, 10% in Mahama, Kigeme and Mugombwa have electricity access (Tier not specified) + 24% in Gihembe and Nyabiheke; 0% have access in Kiziba

**Cooking:** 81% rely on firewood as the primary fuel source, 77% use three stone fires/mud stoves, 21% use improved cookstoves (+ 42% use an ICS as a back up) (ibid.)



However, close to 100% of Mahama (the biggest camp hosting over 60k refugees) rely on LPG; the combined 6.3k across the 3 camps + 60k in Mahama make for an estimated 40% of all in camp refugees with Tier 2 and above access to energy for cooking.

# Kenya

 ≥ Tier 2	 ≥ Tier 2	Number of refugees in camps (2020)	Total number of refugees in the country (2020)
14%	14%	~420,000	>500,000

**Electricity and cooking:** data from MEI (2015)



# Djibouti

 ≥ Tier 2	 ≥ Tier 2	Number of refugees in camps (2020)	Total number of refugees in the country (2020)
7%	7%	>29,000	>29,000**

**Electricity:** Markazi camp has 100% access to Tier 2 and above ( approx. 7% of the total refugee population). Holl Holl and Ali Addeh have Tier 1 or 0; Djibouti Ville not assessed (GPA, 2021)

**Cooking:** Holl Holl and Ali Addeh Tier 1 or 0; Markazi – likely Tier 2; Djibouti Ville not assessed (GPA, 2021)

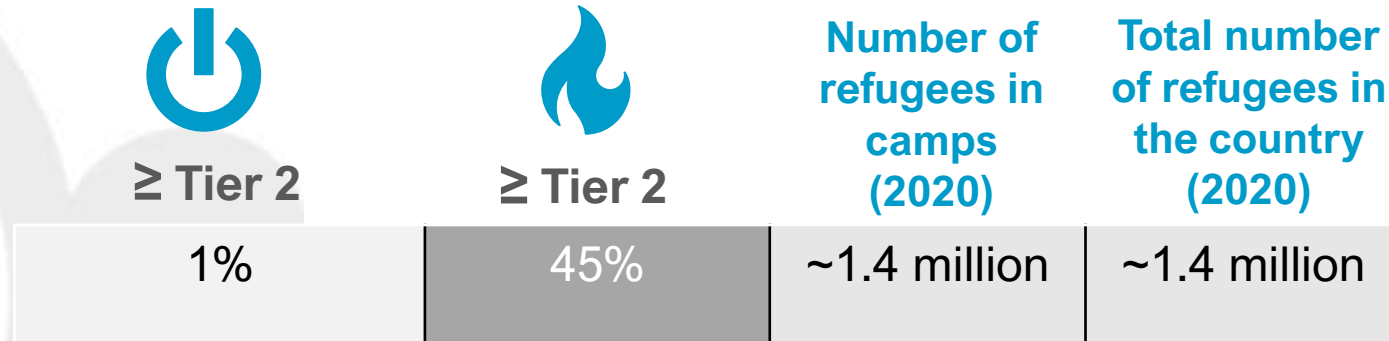
# Ethiopia

 ≥ Tier 2	 ≥ Tier 2	Number of refugees in camps (2020)	Total number of refugees in the country (2020)
7%	6%	>735,000***	>735,000

**Electricity:** Tsore and Sherkole refugee settlements (IRENA, 2019)

**Cooking:** Including Tsore and Sherkole (IRENA, 2019) + 6 other camps (Afar, Assosa, Melkadida, Gambella, Jijiga, Shire) from UNHCR data (2017); in Tsore and Sherkole only that number is 13% (Tier 2 and above)

# Uganda



**Electricity:** data from Uganda JMS Needs Assessment (2018)

According to UNHCR 2021, 0% of refugees in 5 camps have electricity access (Imvepi, Rhino camp, Lobule, Kirandogo)

**Cooking:** 45% is the average improved stove ownership among refugees (ranging 24% - 73% across regions); however, still very heavy reliance on firewood (av. 92%, ranging 78% to 100% across regions) (Uganda JMS Needs Assessment, 2018)



**MECS**  
Modern Energy  
Cooking Services

**Thank you!**



Loughborough  
University





# IOM Energy Needs Framework

- Presentation on the work on the IOM Energy Needs Framework, including tools and methodology
- Adam Matthey-Junod and Anaïs Ostaszewski
- IOM
- Work supported by NORCAP
- 30 mins



NORWEGIAN CAPACITY  
OPERATED BY NRC



# IOM Energy Needs Assessment Framework

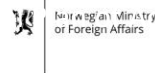
*GPA Research and Evidence Group*  
*18 May 2021*



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# Agenda

- Introduction to the Framework
- The Global level
  - IOM Global-level Data Collection (DTM MSLA)
- The Project Level
- Household Assessments
  - Example at the Global Level
- Community Facility Assessments
  - Example at the Project Level
- Institutional Facility Assessments
  - Example at the Project Level
- Framework Components, Tools and Next Steps

# IOM Team for Energy Needs Assessment Framework



**Adam Ostaszewski**  
Energy Data Officer



**Anaïs Matthey-Junod**  
Junior Energy Expert

Both **NORCAP** (NRC) Energy Experts Deployees

- IOM Headquarters, Geneva
- Timeframe: October 2020 - December 2021

Our mission:

- To design a **standardized energy needs assessments** for 1) households, 2) community facilities and 3) institutional (IOM) facilities
  - to fill data gaps, which would support **project implementation**
  - to **track progress** toward SDG 7 - universal energy access goal
  - while anchoring the work in existing **IOM Displacement Tracking Matrix (DTM)** methodology
  - and in line with the **GPA, UNHCR Clean Energy Challenge (CEC), SDG 7 and Joint Intersectoral Analysis Framework (JIAF) indicators**
  - to design **training materials** to introduce the assessments and to train **enumerators**



# Introduction to the Framework

# Why do we need such a framework?

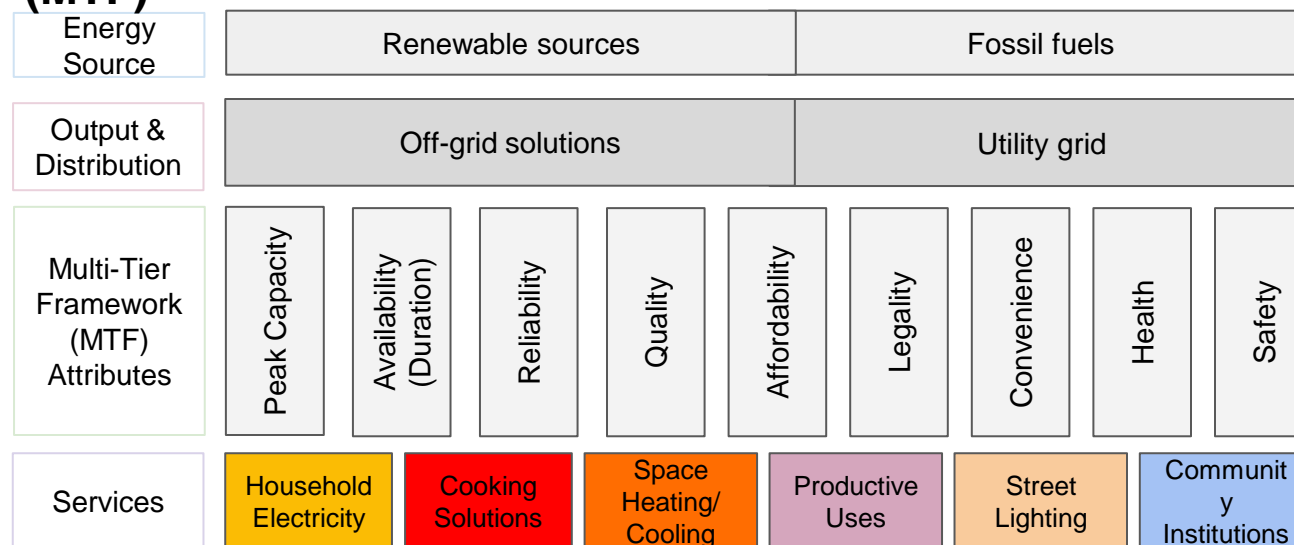
- Collecting energy needs data in a **standardised** and **harmonised** way enables:
  - IOM, humanitarian agencies and partners to more effectively plan, resource and align their energy programmes
  - to ease the process of data sharing among organisations and institutions, leading to collaboration on joint project development
  - inter-agency comparison of datasets and analyses
  - to inform programme and project design (facilitate a better-tailored design of energy interventions);
  - to inform evidence-based financing as well as to support humanitarian needs overviews, humanitarian response plans and any other relevant appeals
  - for host governments to better understand the energy use of displaced people and to incorporate these needs into national energy access planning and targets
  - to track the progress towards SDG7 for displaced people

# Collecting Energy-Related Data

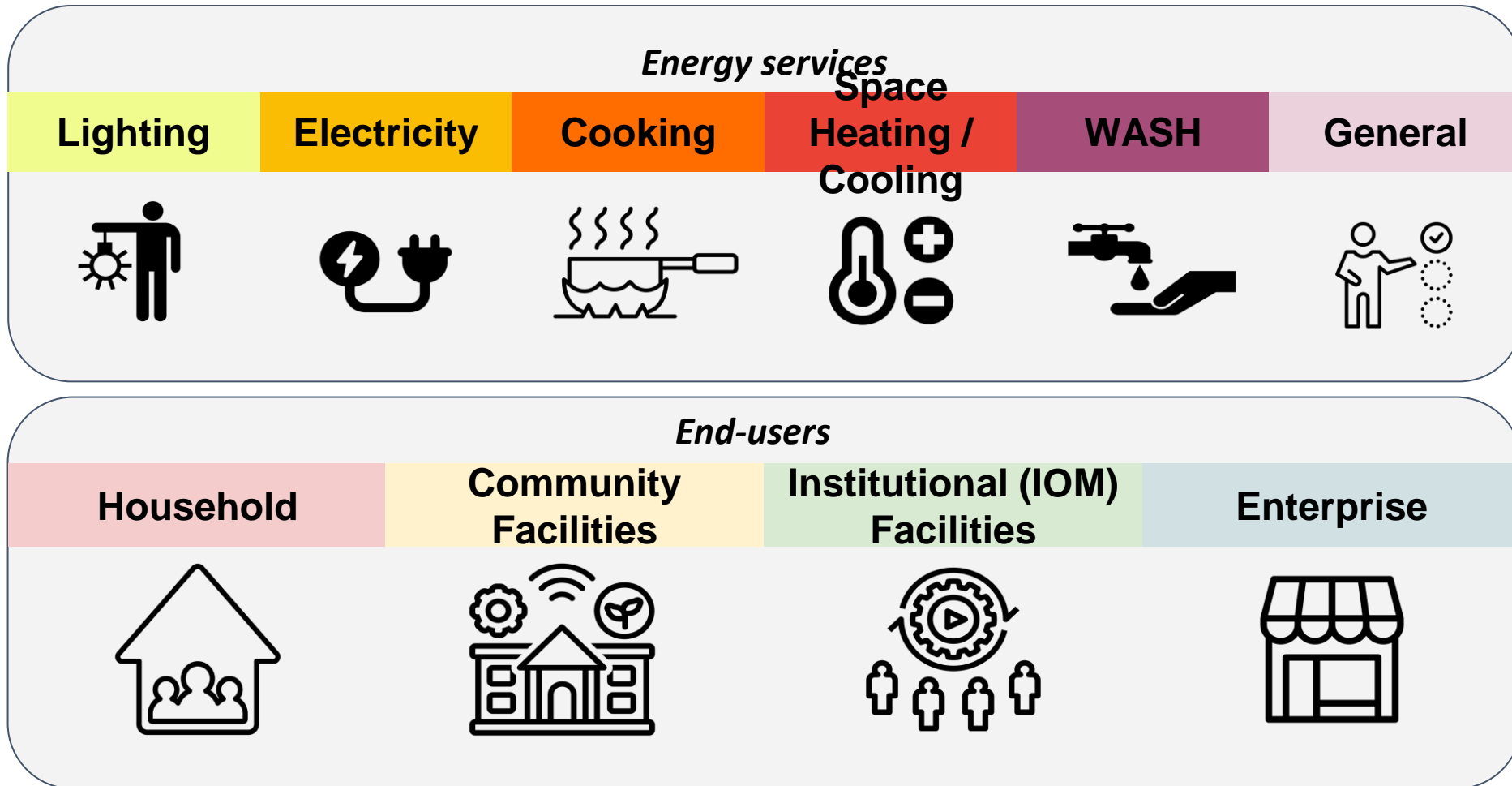
## A Standardized and Harmonized Approach

- GPA Indicators
  - UNHCR Indicators
    - Clean Energy Challenge
  - SDG 7 Indicators
- IOM to align with existing indicators used in the (humanitarian) energy sector as well as existing approaches to defining “energy access”
- IOM to leverage internal capacity such as the Displacement Tracking Matrix (DTM) to collect energy-related data

## Measuring Energy Access: The Multi-Tier Framework (MTF)



# The Scope of the Framework



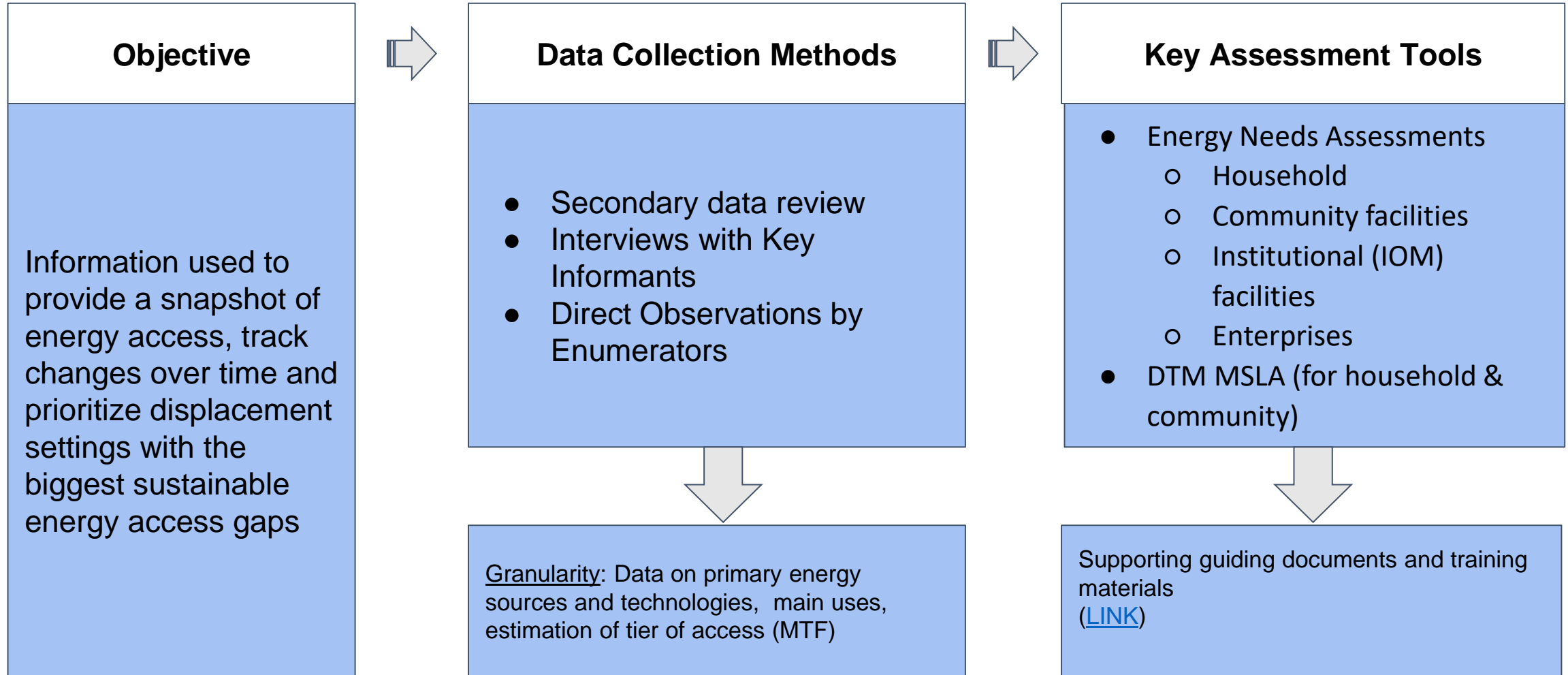
# The Levels of the Framework

Energy Sources	Fossil fuels (diesel, kerosene, etc.)			Renewable sources (solar, wind, etc.)		
Services	Electricity	Lighting	Cooking	Space Heating / Cooling	WASH	General
End Users	Household		Community Facility	Institutional (IOM) Facility		Enterprise
Objectives	The objectives of the Framework are to support and <b>operationalise</b> IOM's commitment to assess energy needs in displacement settings and collecting energy needs data in a <b>standardised</b> and <b>harmonised</b> way.					
Levels	<b>Global-level Framework</b>			<b>Project-level Framework</b>		
	Information used to provide a snapshot of energy access, track changes over time and prioritize displacement settings with the biggest sustainable energy access gaps			Information used to support project and programmes development, engage private sector, and unlock financing opportunities		
Key Indicators	⇒ Selection of standardized and harmonized energy <b>indicators</b> <u>Sources</u> : GPA, UNHCR, SDG7, MTF, JIAF, etc.					







# The Global Level



# The Global-level Framework



# Categories of Energy Data collected - Global Level

	<b>Lighting</b>  Household lighting Streetlighting	<b>Electricity</b>  Energy systems Basic connectivity	<b>Cooking</b>  Cooking fuel Cooking stove	<b>Space Heating / Cooling</b>  Winterisation Thermal comfort	<b>WASH</b>  Water pumping Solid waste treatment Final treatment of excreta	<b>General</b>  Priorities in terms of energy gaps Vulnerable groups with limited access Barriers for access
Information needs	<ul style="list-style-type: none"> <li>• Lighting <b>sources</b></li> <li>• <b>Technologies</b> used</li> <li>• Number of <b>hours</b> of lighting available</li> </ul>	<ul style="list-style-type: none"> <li>• Electricity <b>sources</b></li> <li>• <b>Technologies</b> used</li> <li>• Number of <b>hours</b> of electricity available</li> </ul>	<ul style="list-style-type: none"> <li>• Cooking <b>fuel</b> sources</li> <li>• Cooking <b>stoves</b> used</li> <li>• Means of fuel and stoves <b>acquisition</b></li> <li>• <b>Coping strategies</b> for lack of fuel</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Technologies</b> used</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Technology</b> used for water supply</li> <li>• <b>Lighting</b> technologies</li> <li>• <b>Technique</b> for solid waste disposal</li> <li>• Energy source for <b>final treatment</b> of excreta</li> <li>• Use of <b>biogas</b> as treatment for excreta</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Priorities</b> in terms of energy gaps</li> <li>• Specific/ vulnerable <b>groups</b> with most limited access</li> <li>• Main <b>barriers</b> for access</li> </ul>

# **IOM Global-level Data Collection**

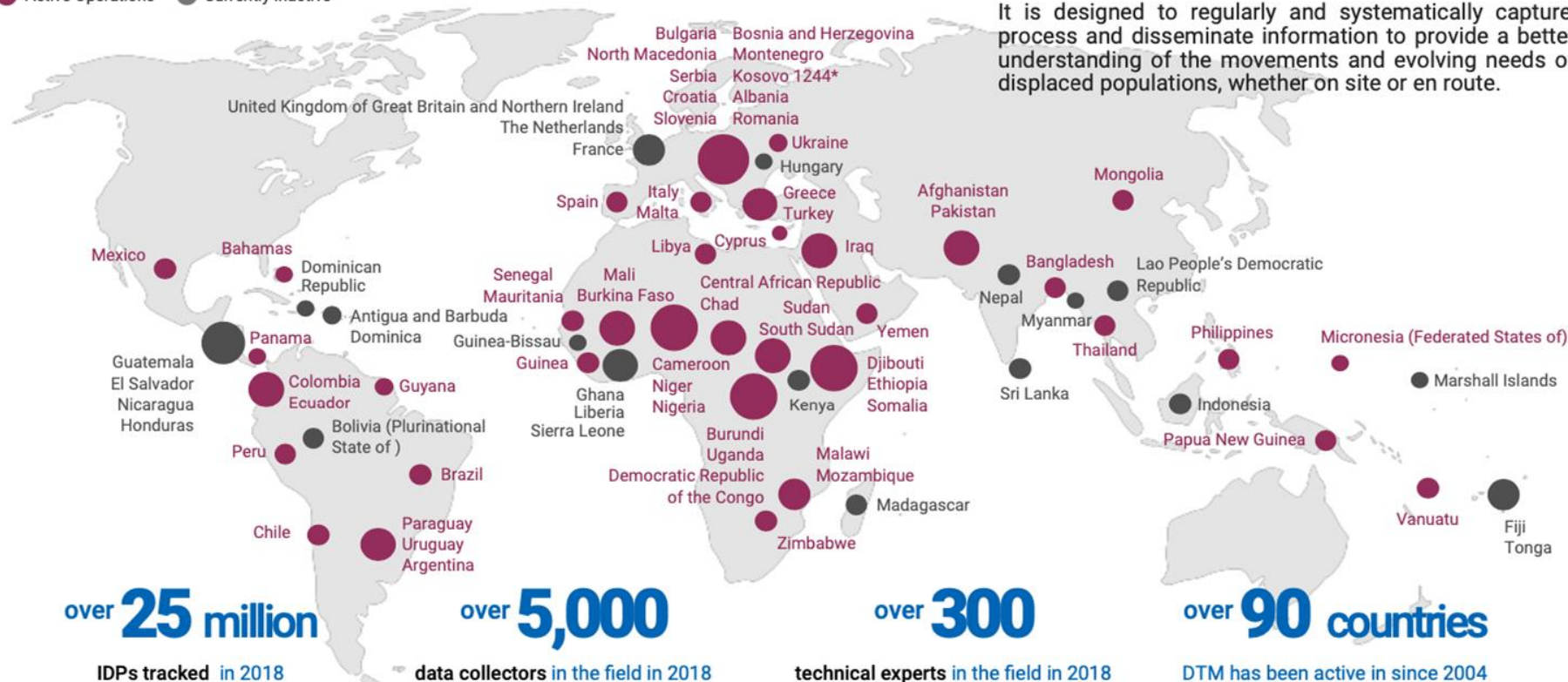
**Leveraging the Displacement Tracking Matrix (DTM) & Multi-Sectoral Location Assessments (MSLA)**

# The Displacement Tracking Matrix (DTM)



## Past and Present Operations as of November 2019

● Active Operations ● Currently Inactive

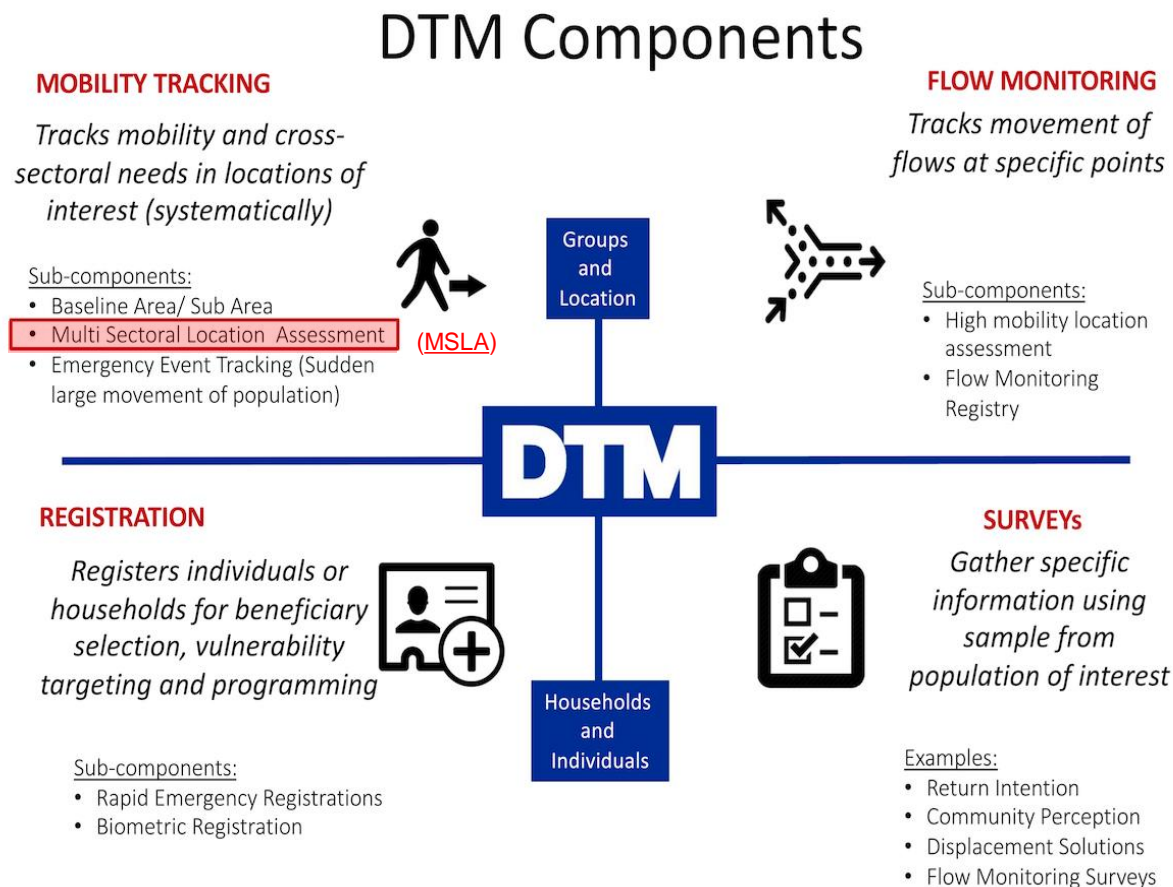


<https://dtm.iom.int/>

\*References to Kosovo shall be understood to be in the context of United Nations Security Council resolution 1244 (1999)

# DTM and Energy Data

- ❑ Integrating energy-related data collection through the **DTM Multi-Sectoral Location Assessment (MSLA)**, using key informant interviews
- ❑ Leveraging the existing DTM network of trained **enumerators** and strong **technical teams** operating in IOM country missions



# MSLA Field Companion

- A Multi-Sectoral Location Assessment “Field Companion” is a compilation of suggested standardized DTM questions to choose from and adapt according to the context. These questions are developed and agreed on by clusters and sectoral actors.

→ A dedicated Energy “Field Companion” has been developed

- ◆ to **complement** existing Field Companions from other clusters
- ◆ to suggest **standardized** energy questions and answers...
  - ... that can be translated into **harmonised** indicators across the humanitarian energy sector (e.g. GPA)

→ An **analysis framework** has been created

## Example of an existing Field companion question related to energy:

*DTM Field Companion - MS Location Assessment Sectoral Questions for Key Informant interviews and Observation*

Unique ID	Dissemination Category	Instructions for the Form	Information Need	Type of Question
M0022	Public	select one	Source of cooking fuel	Recommended by Cluster/WG/AoR

Question Text  
What is the main source of cooking fuel?

Response Options  
Fire wood; Charcoal; electricity; Gas (e.g., bottled); liquid fuel (e.g., Kerosene/Diesel); Other, specify; no fuel is used; do not know/no answer

Preconditions for Data Collection	Recommended Source of information
	NFI actor/Site Management/Enumerator

Example of Visualisation

Fuel Source	Number of Sites
electricity	25
Gas (e.g., bottled)	20
liquid fuel (e.g., Kerosene/Diesel)	10
Fire wood/ Charcoal	10
Other	5
no fuel is used	2
do not know/no answer	5

Example of Descriptive Analysis

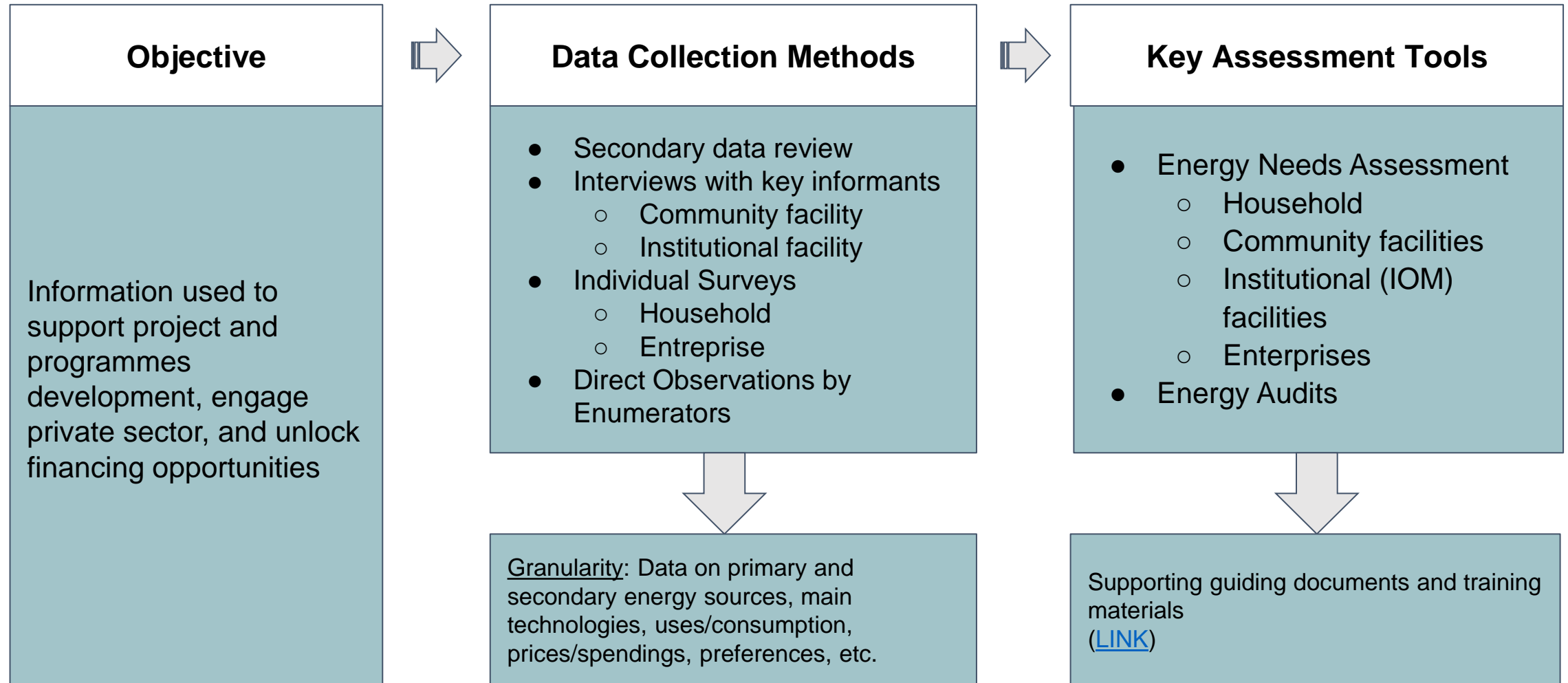
According to Key Informants, the main source of cooking fuel is gas in xx% of assessed sites, charcoal/fire wood in xx% of assessed sites, liquid fuel in xx% of assessed sites, electricity in xx% of assessed sites and other in xx% of assessed sites. In xx% of sites, no fuel is used. In xx% of sites, KI could not answer.

Example of Use that can be done by Data Users (eg, CWG, Cluster)  
cross analyse with other protection related questions to identify potential risks limiting access to fuel for cooking

Dataset of Interest for:					
		CCCM	Child Protection		Food Security
			Protection	Shelter & NFIs	GBV







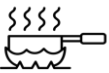



# The Project Level

# The Project-level Framework





# Categories of Energy Data collected - Project Level

	Household 	Community 	Institutional 	Enterprise 		
 Lighting	Access Sources Spendings Hours of consumption Streetlighting quality	Access Sources	Sources Spendings Hours of consumption	Access Uses Spendings Hours of consumption		
 Electricity	Access Sources Uses and appliances Spendings	Unit price Hours of consumption Means of payment	Access Sources Uses and appliances Spendings	Unit price Distance to grid Impacts and constraints on facility operations	Sources Uses Spendings Hours of consumption	Access Sources Uses Spendings Hours of consumption
 Cooking	Access Sources Spendings Amount of fuel consumption	Means of acquisition Coping mechanisms Time spent Location	Access Sources Spendings	Sources Spendings Hours of consumption	Access Sources Spendings Hours of consumption	
 Space Heating / Cooling	Access Sources Spendings	Access Sources Spendings Importance for facility operations	Access Sources Unit Price Hours of consumption Importance for facility operations	Access Sources Unit Price Importance for facility operations		
 WASH		Technology used for water supply Lighting technologies used in and around WASH facilities Technique for solid waste disposal Energy source for final treatment of excreta Use of biogas as treatment for excreta				
 General	Problems encountered with energy products Desire to buy technologies if available Preferences for energy technologies Main barriers to access Main priorities in terms of energy services	Priority for improvement Need for improvement in supply Energy system adequatness Issues with existing appliances Unused appliances	Priority for improvement Need for improvement in supply Energy system adequatness Issues with existing appliances Unused appliances	Priority for improvement Need for improvement in supply Energy system adequatness Issues with existing appliances Unused appliances		


# Household Assessments

# Example: Mozambique Energy Access Pilot

- Mozambique was the **first pilot country** for the **DTM MSLA Energy Module**, conducted between March and April 2021
- Data was gathered as part of the regular DTM data reporting on the ongoing **“Palma Crisis”**
- **Second** data collection exercise using the DTM MSLA process that **specifically included energy-related questions in Mozambique**
- **11 Questions** from the 26 suggested in the Energy Field Companion were included
- The assessment was conducted through key informant interviews in **25 locations** in the **Province of Cabo Delgado** and **1 location in Nampula**
- In total, the energy assessment covered **91,310 individuals, including 23,335 households** present in these 26 locations




**Country: Mozambique**  
**Region: Cabo Delgado and Nampula**  
**Survey Period 13.04.2021-23.05.2021**





**Summary Report on DTM Multi-Sectoral Location Assessment (MSLA)**  
**Energy Focus n°02**

**Sites**  
 26 Sites assessed

**Population**  
 91,310 Individuals in sites

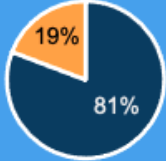
  
 Women  
27%

  
 Men  
21%


  
 Children  
52%

**Site Classification**

■ Temporary Center
■ Relocation Site




**WASH**



**50%** of the locations reported handpumps as main approach to power water supply,

**62%** of the locations reported no sources of lighting in and around latrines/toilets


**SPACE HEATING/COOLING**



**In 96%** of the locations, households do not have access to heating solutions

**In 96%** of the locations, households do not have access to cooling solutions

**LIGHTING**



**In the majority of the locations (69%),** no one (around 0%) has access for at least 2 hours/night to lighting at the household level (MTF Tier 2).

**In 77%** of the locations, no street lighting is available for at least 4 hours per night (MTF Tier 2)

**In 50%** of the locations, not enough individual lighting solutions (e.g. solar lanterns, torches) for each family member is one of the major problem for access to household lighting

**In 39%** of locations, people have no access to lighting source, and in **31%** of the locations, solar lanterns are used as primary lighting sources

**COOKING**



**In 62%** of the locations, **charcoal** is primarily used as cooking fuel while in **38%**, **wood** is used primarily. This trend can be observed both in temporary center and relocation site.

**In 100%** of the locations, three-stone/open fire cookstoves are most commonly used as primary cooking stoves

**In 100%** of the locations, households primarily collect their cooking fuel (wood) individually

**ELECTRICITY**



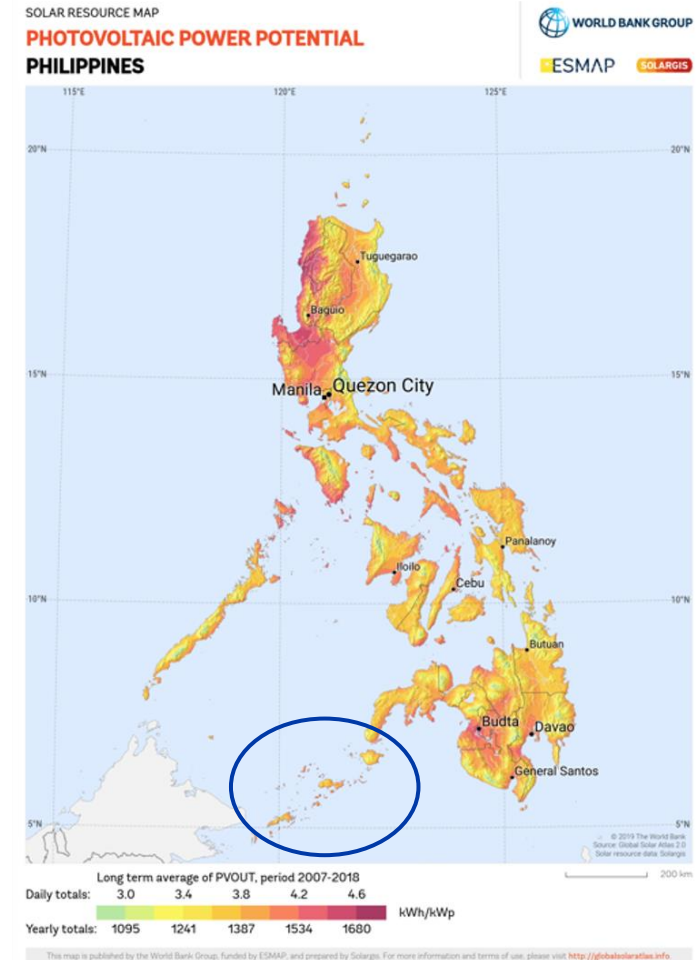
**61%** of the locations have no electric power, while **23%** use solar lantern as primary electricity source

**In the majority of the locations (88%), no one** (around 0%) has access to electricity at the household level for at least 4 hours/day and 2 hours/night (which would correspond to MTF Tier 2)

# Community Facility Assessments

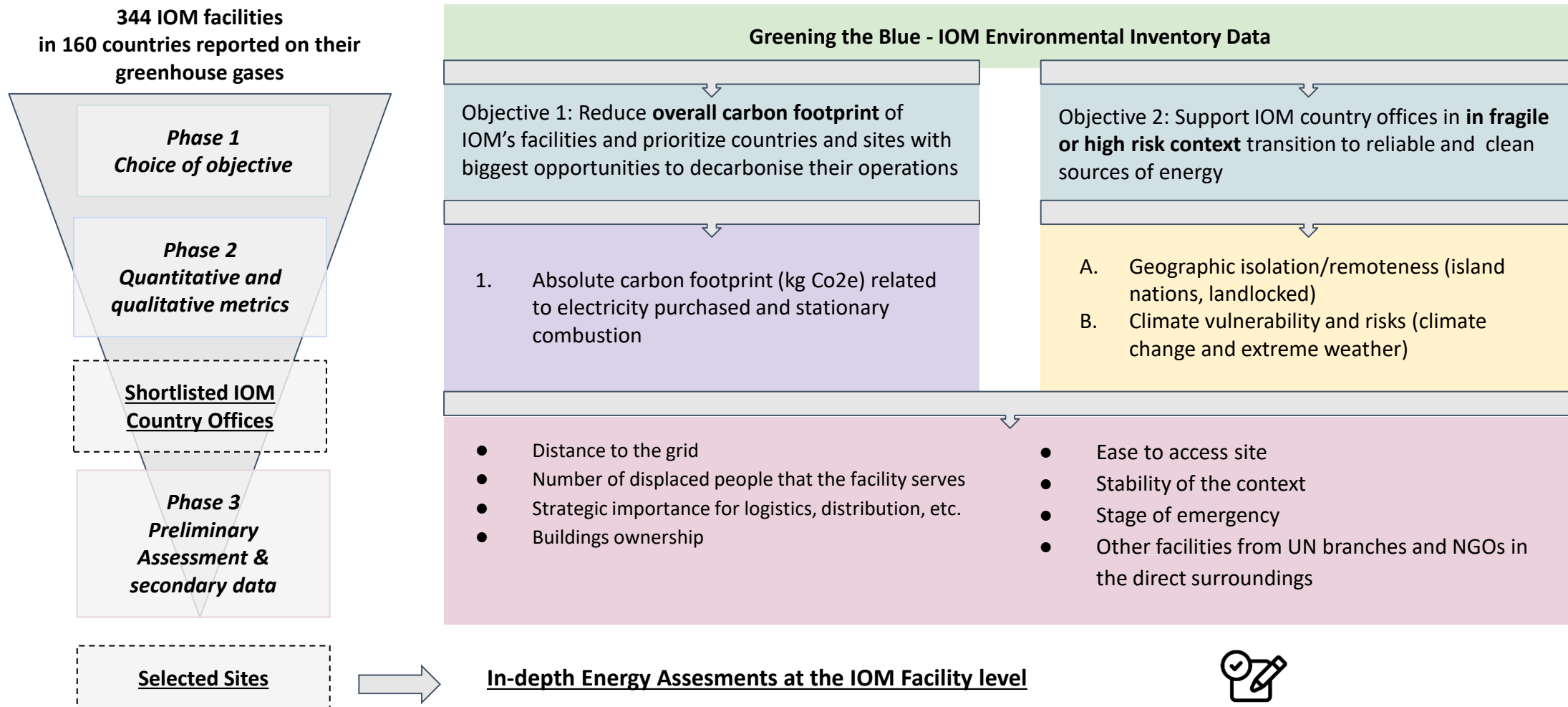
# Example: Solarization of Rural Health Centres in Mindanao (Philippines)

- Remote island provinces of Basilan, Sulu and Tawi-Tawi in the conflict-torn Mindanao region, one of poorest and most underserved parts of the Philippines
- Mostly on-site power generation through diesel and frequent grid power outages, with instability having impacts on the reliability of fuel delivery and the cost of fuel. Direct effect on health facilities having intermittent capacity to provide life-saving health services
- ⇒ The government has prioritised the solarisation of health facilities, and IOM facilitated this project, starting with an **in-depth energy audit of 17 health facilities**, including 15 Rural Health Units and two District Hospitals
- ⇒ Audits, which were **done by regional IOM staff after completing a remote training program**, supported the creation of the project tendering documents and related TORs



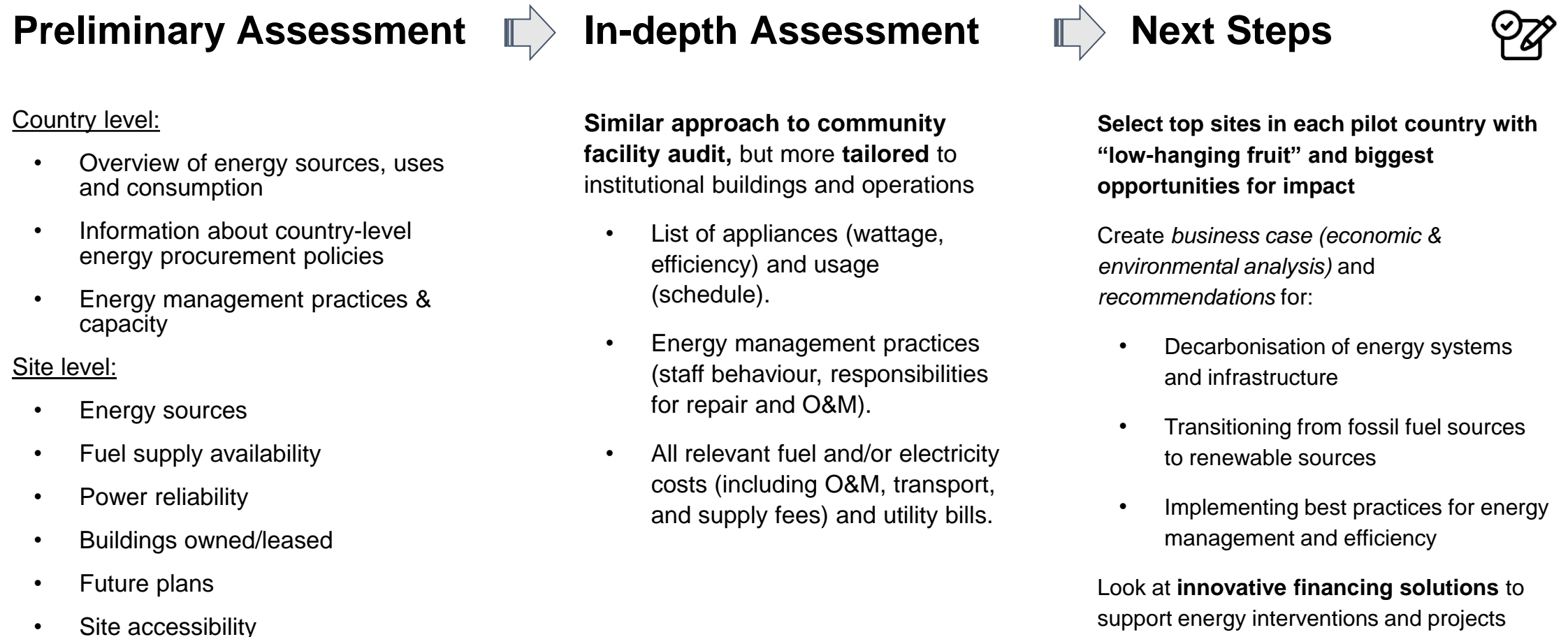
# Institutional Facility Assessments

# IOM Approach - Part 1: Country-level Shortlisting based on biggest footprint and needs





# IOM Approach - Part 2: “From Assessment to Investment”



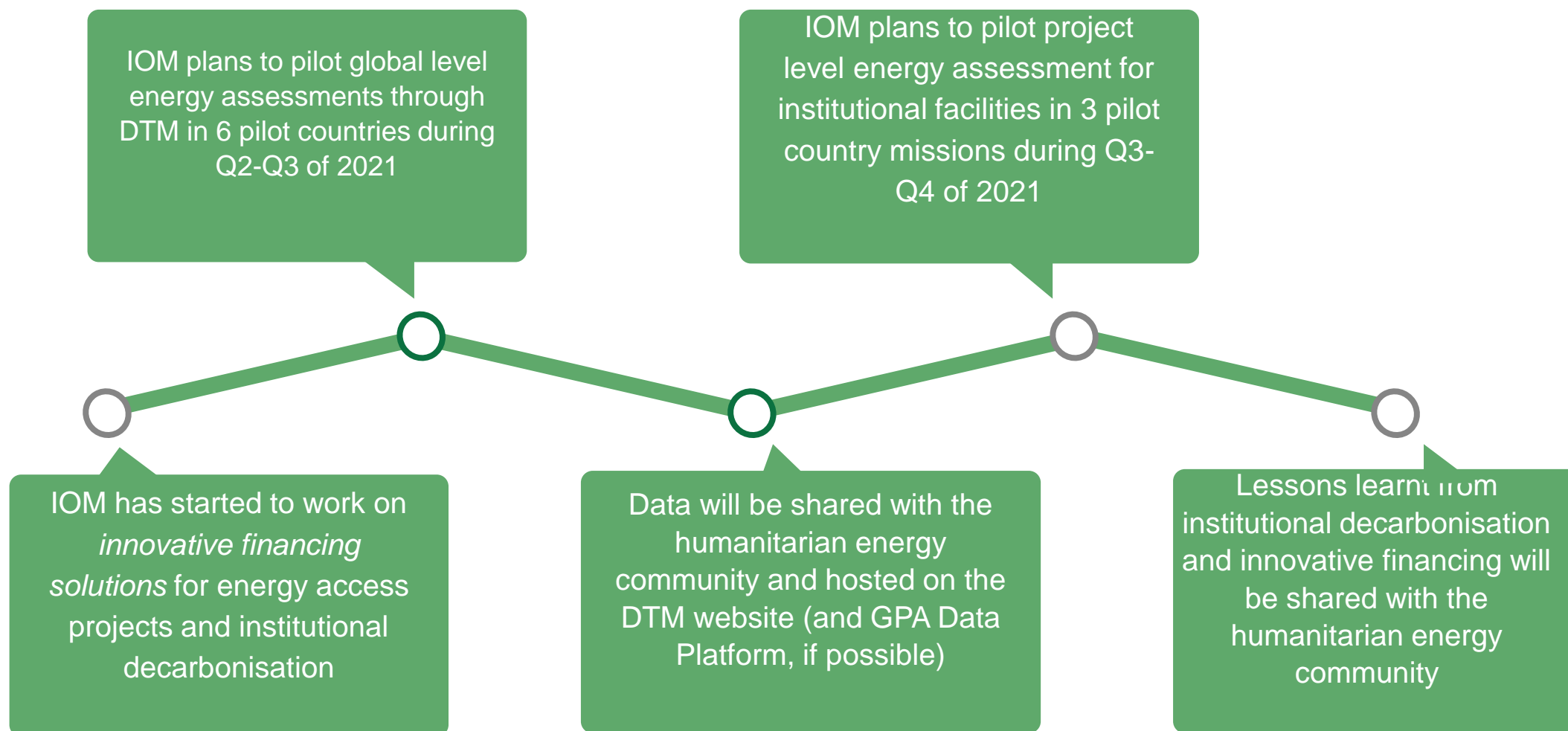
# Framework Components, Tools and Next Steps

# The Supporting and Guiding Documents

Category	Type	Item Name	File type
All	Guiding document	Summary of Framework Components	MS Powerpoint
All	Guiding document	Analysis Map and Decision Tree Tool	MS Word
All	Guiding document	Navigating the Framework - Key Considerations and Design of Fit-for-Purpose Energy Assessments	MS Word
All	Assessment Tool	Global-level and Project-level Questions, Answers and Indicators	MS Excel
Community Facilities	Assessment Tool	Energy Audit for Health Facilities	MS Excel
Community Facilities	Assessment Tool	Energy Audit for Generic Facilities	MS Excel
Institutional Facilities	Assessment Tool	Preliminary Assessment for Institutional Facilities	MS Word
Institutional Facilities	Assessment Tool	In-depth Energy Audit	TBD
All	Training materials	Training for DTM Enumerators	MS Word
All	Training materials	Training for DTM Officers	MS Word
Community Facilities	Training materials	Training for Energy Auditors of Community Facilities	MS Word, Videos
All	Other Resources	Country Data Repository	MS Excel
All	Other Resources	Database of Energy Tools, Resources, Datasets, Events and Training	MS Excel

[LINK TO GOOGLE DRIVE FOLDER](#)

## Next Steps



# Coming Next after the break

## Interactive Exercise using Miro

During the break, please open the link to access the board :-)

[https://miro.com/app/board/o9J\\_IDuHE9c=](https://miro.com/app/board/o9J_IDuHE9c=)

Stage I	Stage II	Stage III	Stage IV	Stage V	Stage VI
<u>Define Objectives; Review Preliminary Considerations</u>	<u>Choose the Right Level of the Framework to Start With</u>	<u>Identify the Pathway Most Suitable for Data Collection in Your Organisation</u>	<u>Collect Relevant Energy Data</u>	<u>Analyse Data Collected</u>	<u>Make an Informed Decision; Proceed to Solution Design or Collect Additional Data</u>



# Thank you for your attention

*Please feel free to contact us*

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# Coffee Time

- 5 minute break.
- Switch off your cameras and mics but please stay connected to the call.





# Interactive Activity: Break Out Rooms

- Interactive activity: extracting value from IOM's framework for other organisations
- 2 breakout rooms for discussions facilitated by Adam Ostaszewski and Anais Matthey-Junod
- 45 min
- Closing: reflections and next steps for IOM data collection (15min).







# Reflections

- Closing: reflections and next steps for IOM data collection
- Group discussion and feedback from the break-out rooms
- 15min



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# Thank-You and Closing

- Action points and next steps
- Looking forward to next call later in the year: September or December.
- Any suggestions of key topics or people who would like to present during the next meeting, please let us know.

