

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

Ethos – January 2020

What is the energy situation in displacement settings?

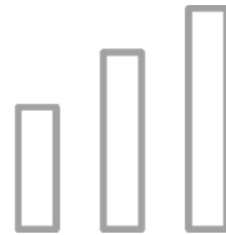


Energy Situation in Displacement Settings



High Forced Migration Rates

- **68.5 million** displaced population
- **Over 25 million** displaced by natural disaster annually
- **170 million** in need of humanitarian assistance



Poor Energy Access

- **90%** no electricity access
- **80%** rely on solid fuels for cooking



Existing Cost of Response

- **Over \$1.2 billion** spent on oil based fuels in 2017 (including around 800 Mio. fuel for transportation)



New Political Impetus

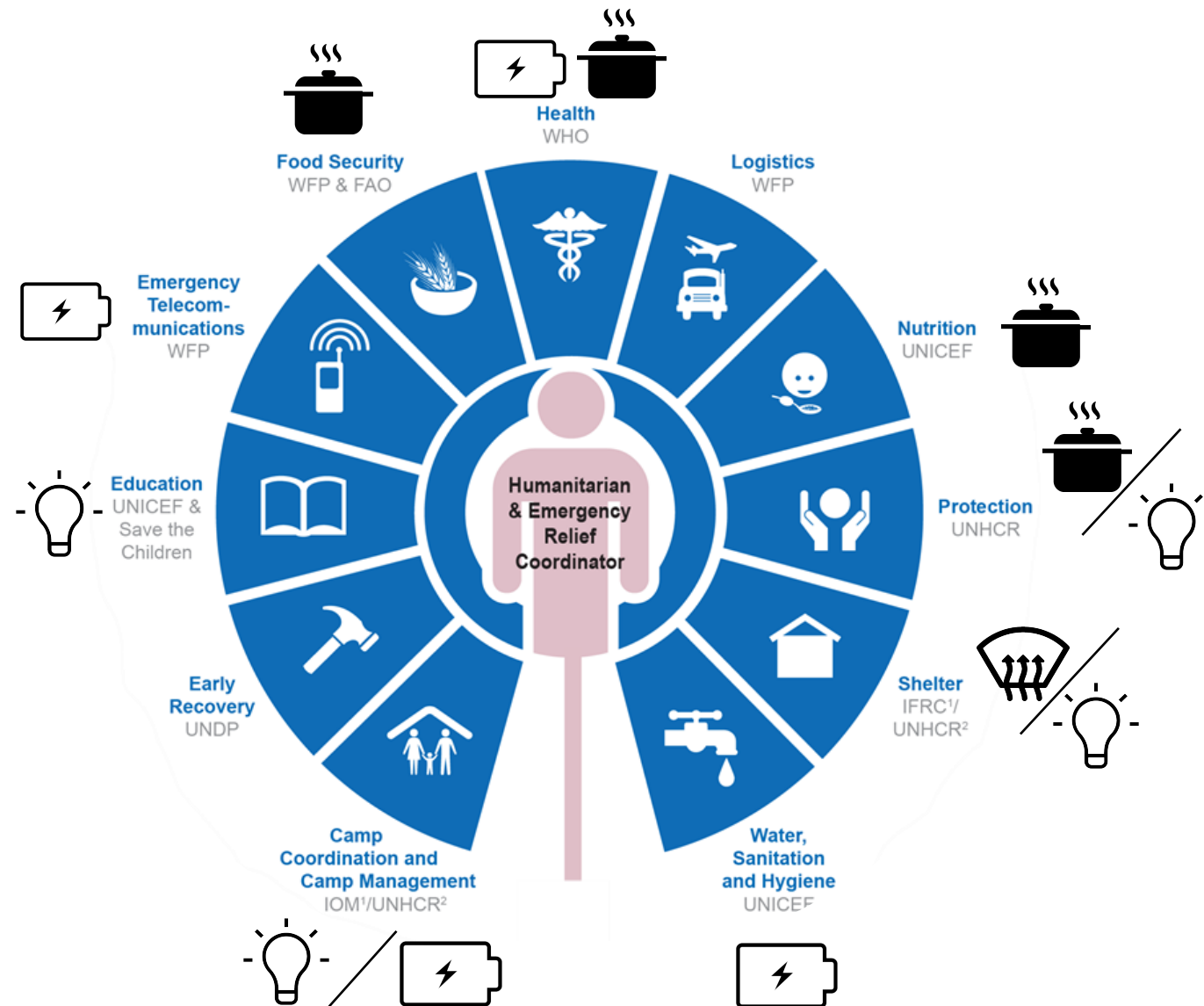
- **Rethinking the response** for the displaced: GCR, GCM, CRRF
- **Environmental stress** for hosts
- **UN to be carbon neutral**

Relevance of Energy to the Humanitarian Clusters

Where Does Energy “Fit?”

Answer: Everywhere

The GPA seeks to accelerate and improve the incorporation of energy access across all humanitarian clusters & sector groups, where relevant



Key Challenges



Energy is not a formal priority in humanitarian assistance

Displaced people are not included in national or international energy-access agendas

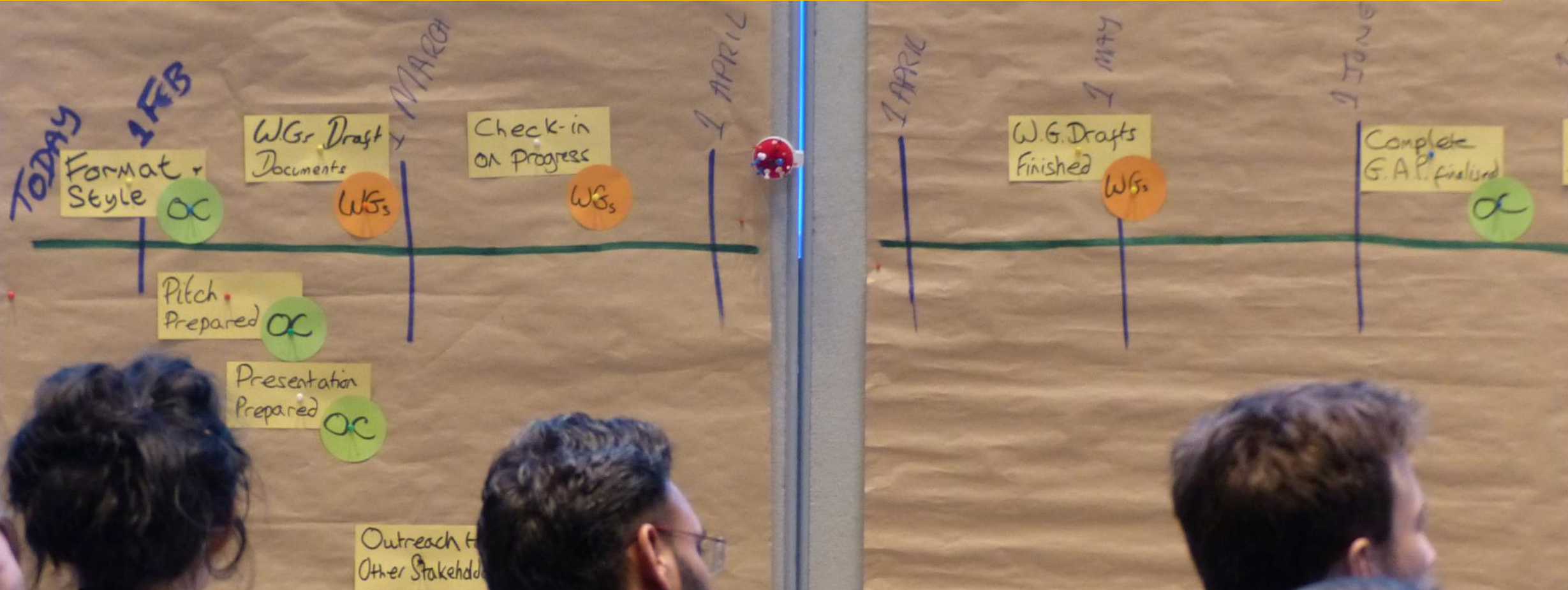
Energy in displacement settings is underfunded

Limited expertise and capacity to plan or implement sustainable energy solutions

Limited and poorly shared data on humanitarian needs and solutions

★ Potential to work closely with ETHOS Community ★

What is the Global Plan of Action?



What is the Global Plan of Action?

Vision of the GPA

Every person affected by conflict and natural disaster has access to affordable, reliable, sustainable and modern energy services by 2030.

Mission of GPA Network and Partnership

To integrate access to and use of sustainable energy into conflict and disaster response.



The GPA Partnership

Steering Group, Coordination Unit, Working Groups

Coordination Unit facilitates the GPA

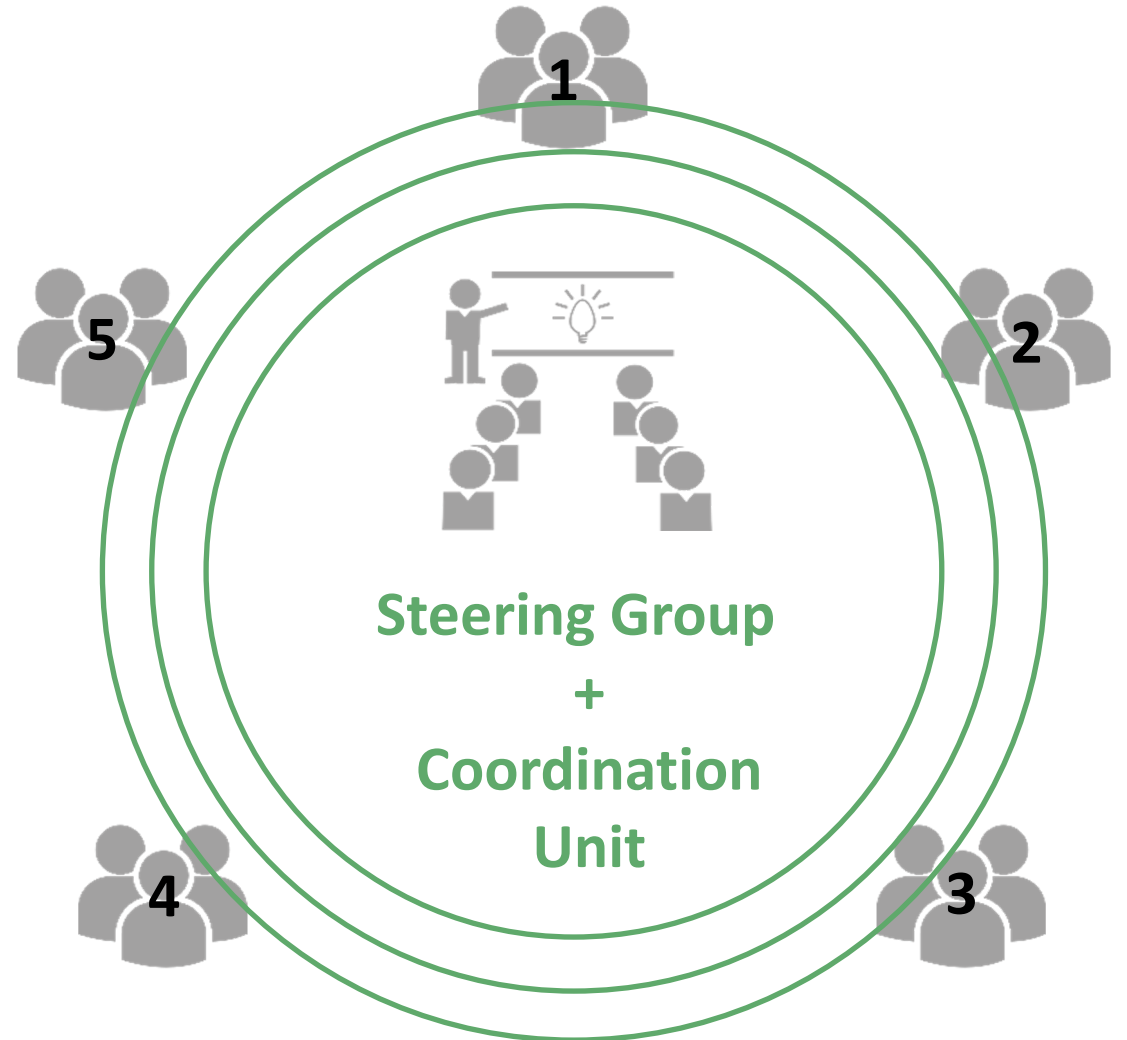
Process: building partnerships, lobbying, convening, advancing agenda

Steering Group guides the GPA Process:
Contributes to common goals

Working Areas:

Active forums for collective activities

- 1) *Planning & Coordination*
- 2) *Policy*
- 3) *Innovative Finance*
- 4) *Capacity Building*
- 5) *Data*



Steering Group Members

Steered by:



Coordinated by:



Supported by:



GPA Framework and Work Plan

GPA Framework

The Global Plan of Action
for Sustainable Energy Solutions
in Situations of Displacement

Framework for Action



GPA Work Plan – Collective Agenda for multi-partner delivery

GPA Work Plan_Prioritized

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Ref	GPA Recommendation	Focus Area	Activity	Lead Partner(s)	Partners	Output	Completion Date
V-01	Collaborate to develop primary research and core data on sustainable energy in situations of displacement.	Primary Research	a) Establish the scope of the research based on gap analysis of existing information (V-06) and relevant inputs from the assessment of reliable evidence for humanitarian resonance on sustainable energy (V-17, V-18 and V-19). b) Develop a collaborative research team to complete the defined scope of the research. c) Develop plan to obtain missing core data, complete research and compile draft Reports. d) Engage stakeholders on the draft Reports. e) Finalise Report with inputs from relevant stakeholders. f) Upload the Finalised Reports to a consolidated knowledge sharing platform (IV-13). g) Where relevant to do so, use the output of the Report(s) to inform information needs (V-11) and subsequent activities. h) Where relevant to do so, use the output of the Report(s) to inform the review of behavioural change in displacement settings (V-16).	UNEP DTU Politecnico di Milano GPA WG V Engagement - Support from GPA Coordination Unit UNEP DTU with support from Practical Action and MEI GPA WG V Engagement - Support from GPA Coordination Unit	TBD	1. Gather core interdisciplinary research team (GPA Coordination Unit lead) 2. Five briefings or reports on research and core data gaps needed for adoption of sustainable energy in displacement	tbd
V-06	Assess existing information on sustainable energy in situations of displacement and develop an overview of core data gaps.	Primary Research	a) Identify and collate existing sustainable energy material relating to displacement settings and: technology; socio-cultural factors, community adoption; perception and use of energy for cooking; productive use of energy; income generating activities; institutional use of electricity and related infrastructure; energy poverty and sexual violence. b) Review existing information for each subject matter and produce a summary document of existing knowledge and identify information / data gaps that would impact the delivery of sustainable energy solutions in displacement settings. c) Produce a Summary Report on existing data and key data gaps for each topic. d) Upload the Summary Report(s) to a consolidated knowledge sharing platform. e) Use the output of the Summary Report(s) to inform the scope of subsequent primary research (V-01, V-02, V-03, V-04 & V-05) and information needs (V-11) to ensure reliable evidence is collated and, where relevant to do so, created to fill the identified gaps.	TBD	TBD	Gap Analysis Report and outputs from NORCAP assessment	Q3 2019
				TBD	TBD	TBD	TBD



Progress on the collective agenda

Collective Milestones in 2019



- Convening the Sector – Humanitarian Energy Conference
- Engaging and Coordinating Humanitarian Cluster Leads



- National Policy Dialogues – Uganda, Kenya and Rwanda
- UNHCR Clean Energy Challenge and Energy Strategy



- Workshop Series – Developing Sustainable Finance Mechanism for Solarising Humanitarian Infrastructure through public-private models



- Webinar Series ([online](#))
- Developing standard training frameworks



- Baseline data collection ([online](#))
- Developing common energy indicators and targets for the humanitarian sector

Focus in 2020



- **Global Stakeholder Mapping**
- **Convening workshops and events**

Reach out if you want to join in! aimee.jenks@unitar.org



- **Increasing investment in cooking solutions for humanitarian situations**



- **Documenting best (and worst) practices**
- **Developing a Humanitarian Energy Community of Practice**

Sharing updates through GPA Website.

<https://www.humanitarianenergy.org/>



- **Streamlining energy needs assessment processes**



Clean Energy Challenge

“All refugee settlements and nearby host communities will have access to affordable, reliable, sustainable and modern energy by 2030”



Clean Energy Challenge

<https://www.unhcr.org/clean-energy-challenge.html>

Refugee and host community households have access to a minimum Tier 2 renewable electricity

Refugee and host community households have access to modern cooking fuel and technology

Health and Education facilities, Latrines, Public Spaces, Businesses and Street Lighting for refugee communities, and humanitarian facilities in refugee settlements are powered by energy efficient technologies and renewable energy

Water supply for refugee settlements, including boreholes, are powered by renewable energy

Energy solutions support nearby host communities equitably, and align with broader programmes to support host country national and local energy plans, or vice-versa, that refugee communities benefit from broader national and local energy plans and investments.

We have the mandate now,
We need action



Best practices – Sustainable Energy in Humanitarian settings

Best Practices: LPG in Bangladesh – Rohingya Crisis



Results:

- Improved health and environmental mitigation, cost savings
- Total coverage of refugee population, support to host community

Enabling Factors:

- Inter-agency Coordination
- Urgency to mitigate environmental damage and pressure from government
- Donor investment

Best Practices: UNHCR Za'atari Solar System, Jordan



Results:

- Access to essential services
- Market and livelihoods development
- Carbon emission reduction
- Cost savings (5.5 USD/yr)
- Asset for host country

Enabling Factors:

- Expertise, consistent government and stakeholder engagement
- Level of services expected
- Grant funding

Best Practices: Moving Energy Initiative

<https://mei.chathamhouse.org/resources/reports>

Toolkit for the Moving Energy Initiative

Mattia Vianello (Practical Action Consulting)
Energy, Environment and Resources Department | May 2016

A Review of Cooking Systems for Humanitarian Settings

moving energy initiative

clean energy for refugees

Research Paper

Adopting a Market-based Approach to Boost Energy Access in Displaced Contexts

Katie Whitehouse
March 2019

moving energy initiative

clean energy for refugees

Research Paper

Cooking in Displacement Settings

Engaging the Private Sector in Non-wood-based Fuel Supply

Laura Patel and Katie Gross (Energy 4 Impact)
January 2019



Worst Practices: Solar Street Lighting



Key Take Aways

- Technology and expertise is there – need **shift in mindset** to enable energy transformations in humanitarian settings
- Much to learn from **energy access** practitioners
- Need to **build the evidence base** for what works, what doesn't, and why
- **Shift in ways of working** – integrated planning with development partners and private sector



Pathways for Collaboration

Working together

GPA provides platform for:

- **Connecting** research funding and expertise opportunities
- **Sharing knowledge** and experiences
- **Collaborating** with organisations, donors, companies, researchers

Questions for room:

- Sharing experiences – does anyone have experiences to share from energy work in disaster or conflict settings?
- Proven solutions and experience?
- Interest in engaging further?

Thank you

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