

AG4 – 21st meeting in Marseille

Concept for the session “Energy efficiency & transport in the Alpine Region”

Helen Lückge, 11.09.2022

Background and objectives of this session

The current energy crisis with the war in the Ukraine has given new dynamics to the energy transition: it highlights not only the environmental impacts but also the security and economic issues that come along with a high dependency on fossil energies. The transport and mobility sector has been lagging behind in the efforts to promote energy savings and to shift towards alternative energy sources. Thus, there are currently large efforts to accelerate measures towards higher energy efficiency and decarbonisation in the transport sector – reaching from European to local level and involving stakeholders from the public and private sphere as well as civil society.

In the Alps, measures and activities need to be customized and tailored to the needs and specific characteristics of the Alpine region, considering the specific settlement patterns, the needs of tourism mobility, trans-alpine freight transport flows, etc. Also, it needs to be considered that energy-autonomous/self-sufficient energy systems meet Alpine specific challenges due to the sensitive nature and landscape and the corresponding trade-offs that come along with large-scale renewable energy production. Smart, cross-sectoral and multi-stakeholder approaches are thus needed to capture the potentials of energy-efficiency.

With this session during the 21st AG4 meeting, we would like to kick-off our new activity on “Energy efficiency & transport in the Alpine region” and start to develop a map on Alpine-specific solutions for energy efficiency in the transport and mobility system, on stakeholders that are needed for their implementation as well as policies, incentives and support measures to boost their roll-out.

The objective of the working session is to get an overview on the following topics:

- **Identification of innovative approaches to improve energy efficiency in the transport and mobility system**, with a focus on:
 - a) cross-sectoral and multi-stakeholder approaches,
 - b) innovative technological approaches and digital solutions as well as
 - c) measures which target mobility patterns and demand.

With respect to freight transport, this could include new approaches in the logistic and rail transport sector, co-operations/cluster activities beyond the “usual suspects”, regional logistic hubs, etc. Looking at passenger transport, examples include innovative urban mobility concepts with Alpine-specific character, innovative approaches to reduce tourism mobility, digital solutions to improve mobility-on-demand services,...

- **New players in a cross-sectoral perspective:** many energy-efficiency measures follow a sector-coupling approach as they lie at the interfaces between different sectors. This means that new players need to be considered when developing these solutions: local/regional retail sector which develops its own mobility solutions, mobility-on-demand services which are interlinked with tourism offers, electric vehicles which are interlinked with local energy production,
- **First ideas on policies, incentives and support measures:** how can the uptake of the identified approaches be supported? Which policy measures, financial incentives, cooperation structures and other support measures could help demonstration and roll-out activities?

- During this working session and for the follow-up, we will use the concept of the “Public value process mapping” which was illustrated as part of the stakeholder analysis activity¹. This concept looks at possible options to solve a given problem, then identifies stakeholders and how they become relevant throughout the process.

Phase 1: Setting-the-scene - Keynote speeches and inputs (45 min)

To get a common “pool of ideas”, several inputs will provide food for thought and starting points for the workshop sessions:

- **Starting from the same page:** overview on energy consumption and energy efficiency in the transport sector
 - Presentation by AG 4 and AG 9
- Innovative approaches to improve energy efficiency in the transport sector
 - **The energy transition in France:** Stéphane Faudon (Région Sud, Energy transition unit)
 - **An industry perspective on energy efficiency:** Carla Detrieux (Volta Trucks)
 - **New cooperation formats for the roll-out of electric mobility solutions:** Cristina Cavicchioli (RSE, e-SMART project)

Phase 2: Workshop session (90 min, coffee break in between)

In this workshop session, AG4 members will, in a first round, exchange information and brainstorm on innovative approaches to improve energy efficiency in the transport sector and then, in a second round, move on to discuss the role of stakeholders.

(for details please see the concept for the workshop session in the Annex)

Phase 3: How to move ahead? Funding opportunities and the role of AG4 (45 min)

Phase 3 starts with a very short wrap-up from the workshop sessions (moderators of the two groups).

Final discussion on next steps and future activities of AG4:

- Annual Forum working session on “Success factors for energy transition – smart solutions and strategies for tackling the energy crisis in the Alpine Region”
- Defining work plan activity on energy efficiency in the transport and mobility sector

¹ <https://www.alpine-region.eu/news/ag4-activity-smart-clean-logistics-and-combined-transport-support-modal-shift>

Annex: Workshop planning in detail (total time with break: ca. 1:40 hours)

Introduction to the workshop-Session & Starting Point (<i>Patrick and Helen</i>)		
Workshop 1st session: Developing a map of innovative energy efficiency solutions for the transport sector in the Alps (2 groups, one groups deals with freight transport, one with passenger transport)		40 min
<p>Freight transport map: (moderation: Helen) Working on a “freight transport map” with outlines of innovative approaches to energy efficiency in the transport sector:</p> <ol style="list-style-type: none"> New cross-sectoral and multi-stakeholder approaches (e.g. for the role-out of charging infrastructures, transport-as-a-service solutions, etc.) Innovative technological approaches and digital solutions New measures which target transport demand and modal shift (e.g. smart incentive mechanisms, new demand side measures) <p>➔ The group exchanges information on ongoing activities in their region, interesting projects/project ideas they have heard about, good practices, ...</p> <p>Final discussion for this first step:</p> <ul style="list-style-type: none"> Which innovative approaches have a specific Alpine feature or require customized solutions for implementation in the Alpine region? Which innovative approaches would be most suitable to be further developed in the frame of transnational cooperation? 	<p>Passenger transport map: (moderation: Michael) Working on a “passenger transport map” with outlines of innovative approaches to energy efficiency in the mobility system:</p> <ol style="list-style-type: none"> New cross-sectoral and multi-stakeholder approaches to improve energy-efficiency in the mobility system (e.g. links between the energy or tourism sector) Innovative technological solutions and digitalisation (Mobility-as-a-service, autonomous vehicles, etc.) Innovative measures that target changing mobility patterns and transport demand <p>➔ The group exchanges information on ongoing activities in their region, interesting projects/project ideas they have heard about, good practices, ...</p> <p>Final discussion for this first step:</p> <ul style="list-style-type: none"> Which innovative approaches have a specific Alpine feature or require customized solutions for implementation in the Alpine region? Which innovative approaches would be most suitable to be further developed in the frame of transnational cooperation? 	
Coffee break		20 min
Workshop 2nd session: Which stakeholders are needed to implement these solutions? (change of groups, freight transport group takes over the brainstorming results of passenger group and vice versa)		

Freight transport map

(moderation: Helen)

- Short presentation of the brainstorming results and the map for innovative energy efficiency solutions by the moderator
- Very short feedback round with new participants: are you missing something in this overview?
- **Discussion in the group (maybe for some selected solutions only)**
 - Which stakeholders are needed to implement these solutions?
 - Which new players are needed which are new to the “transport sphere”?
 - Which solutions require a closer involvement of the civil society?

➔ The stakeholders are added to the solutions as identified in the first working step.

[if ideas come up during the discussion on policies and support measures, these can also be added to the map]

Passenger transport map

(moderation: Michael)

- Short presentation of the brainstorming results and the map for innovative energy efficiency solutions by the moderator
- Very short feedback round with new participants: are you missing something in this overview?
- **Discussion in the group (maybe for some selected solutions only)**
 - Which stakeholders are needed to implement these solutions?
 - Which new players are needed which are new to the “transport sphere”?
 - Which solutions require a closer involvement of the civil society?

➔ The stakeholders are added to the solutions as identified in the first working step.

[if ideas come up during the discussion on policies and support measures, these can also be added to the map]

30 min