

## Local Project Planning Workshop

Agenda

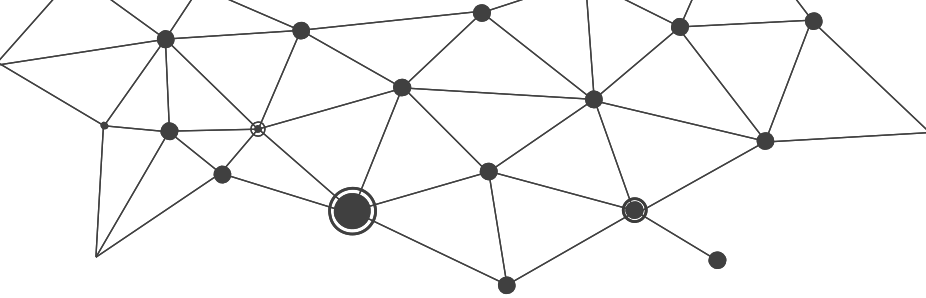
## Low Carbon Mobility Planning

12 – 14 July 2017,

Mercure Hotel  
Chiang Mai, Thailand

*In Cooperation with*





## INTRODUCTION TO THE WORKSHOP CONTEXT

The *Local Project Planning Workshop on Low Carbon Mobility Planning* results from the 4<sup>th</sup> Connective Cities Dialogue Event in Asia on *Sustainable Urban Mobility and Climate Change – Reducing Air Pollution by Climate-Friendly Means of Urban Transport* that took place in September 2016 in Bangkok/Thailand. A working group of local experts from Chiang Mai had already addressed initial ideas for a low carbon mobility transformation in the city during the event in Bangkok. They are now seeking German expertise to translate this vision into implementable measures with the support of a variety of local stakeholders in the framework of a local project planning workshop.

The *Chiang Mai municipality* is currently facing the challenges of an overloaded motorised transport system, a steadily growing population and a very limited offer of non-motorised transport (NMT). There is a strong need at the municipal level and beyond into the region, to rethink and reinvent Chiang Mai's mobility system with a sustainable long-term vision. The specific focus shall lie on solid alternatives to motorised individual transport including public mobility options and walking as well as cycling opportunities.

Against this background, the planned workshop in Chiang Mai will focus on four thematic fields:

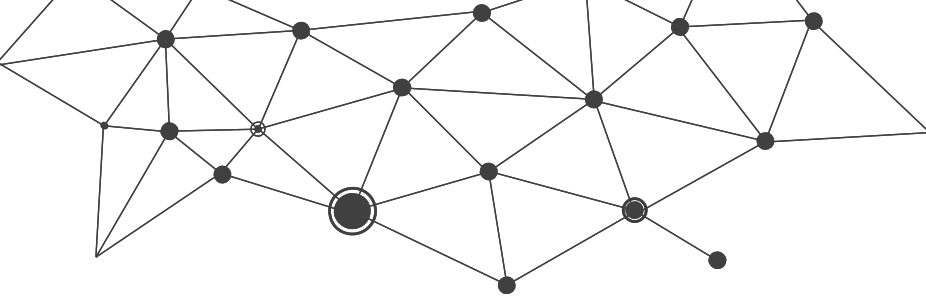
- Restructuring of Public Transport towards an intelligent E-Bus Transport System
- Improving and Promoting Non-Motorised Transport (NMT) infrastructure
- Designing of shared-use mobility systems
- Managing, financing and planning of sustainable urban mobility on the local level

Overall, given the complex needs of the municipality, a holistic framework that is reflecting low carbon mobility planning (LCMP) will be generated through linking economic viability, social responsibility and environmental sustainability.

## THE PROJECT PLANNING WORKSHOP

In order to facilitate further networking as a “community of practice” and peer-to-peer based counselling on an ongoing project resulting from one of *Connective Cities* regional events in Asia, Connective Cities in cooperation with Thailand Environment Institute (TEI) and the Municipality of Chiang Mai are jointly organising the *Project Planning Workshop on Low Carbon Mobility Planning* (LCMP) which will bring together relevant stakeholders to the transport planning from Chiang Mai as well as international experts. The exchange aims to enable and facilitate knowledge sharing, peer-to-peer learning and collaboration among professionals as well as the generation of new applied knowledge through the promotion of innovations with regard to LCMP.

The workshop will provide a better understanding of the LCMP concept and its local application learning from successful models in other places. By means of practical concepts, transportation and traffic infrastructure for Chiang Mai will be conceptualized towards a long term integrated and



sustainable mobility system including intelligent traffic planning and considering settlement development as well as land use issues. Furthermore, the workshop will strive to support consensus building in the current infrastructure planning process in Chiang Mai municipality and enhance working relationships between and among different stakeholders that will lead to a more sustainable urban development.

In order to come up with a solid plan for Low Carbon Mobility in Chiang Mai, different elements have to be included into the mobility planning framework. Yet, the specific needs and demands expressed by the stakeholders will determine the elements to be revised as well as the strategic direction and the outcomes of the activities to contribute to real changes on the ground. That allows to develop practical interventions based on the actual needs and demands in the respective context of the city of Chiang Mai, avoiding the problem of having exclusively a theory based model.

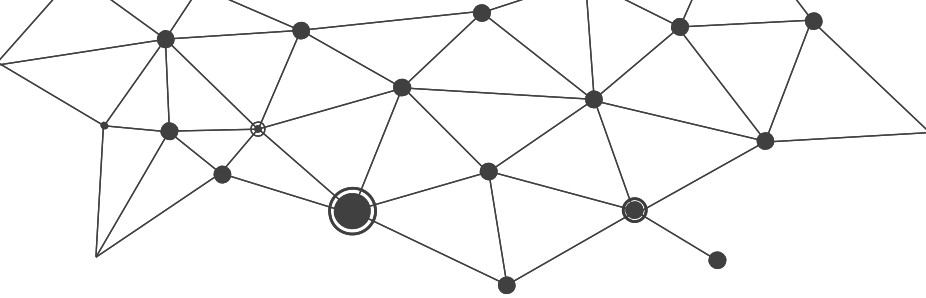
## OBJECTIVES

The overall mission of Connective Cities as a Community of Practice is to enhance the capacity of urban practitioners through networking and learning exchange. By means of promoting knowledge exchange between urban practitioners, Connective Cities' workshops seek to make the existing body of knowledge and practical know-how accessible and to support dissemination as well as application of (good) practices in the field of sustainable urban development.

The objectives of this workshop are:

- Facilitating the exchange of experiences among urban practitioners from Chiang Mai Municipality and the Metropolitan Region and from Germany
- Analysing the local context and its challenges for strengthening low carbon mobility
- Providing peer-to-peer advisory services for applied solutions for low carbon mobility planning

The upcoming event is geared specifically towards supporting the planning of low carbon mobility infrastructure and to develop an action plan based on the exchange of experience with German cities. Further expected results are the identification of good practices that can be applied to the Chiang Mai spatial context and provision of peer-to-peer advice for actual challenges in a creative and interactive workshop environment. Local participants include representatives of different stakeholder groups, such as local government and administration, economy, civil society, and academia who are contributing their know-how and expertise to identify the underlying challenges in the urban and regional context.



## SUBSTANCE OF THE WORKSHOP

### What is Low Carbon Mobility?

Low Carbon Mobility is the specific approach to urban mobility implying an overall shift in attitude with the goal of connecting people through a more climate-friendly means of transport policies and the use of new technologies to increase efficiency.

### What is a Low Carbon Mobility Plan (LCMP)?

An LCMP provides vision for urban transport in the city. This vision encompasses an approach that addresses both climate change and development benefits through an integrated transport and land-use planning process. All elements of Urban Transport are covered under an integrated planning process recognising the two-way relationship between available mobility (means and choices available to move) and the individual's desire to move. (see UNEP (2016); A Toolkit for Preparation of Low Carbon Mobility Plan; Nairobi)

### Chiang Mai's Urban Context ...

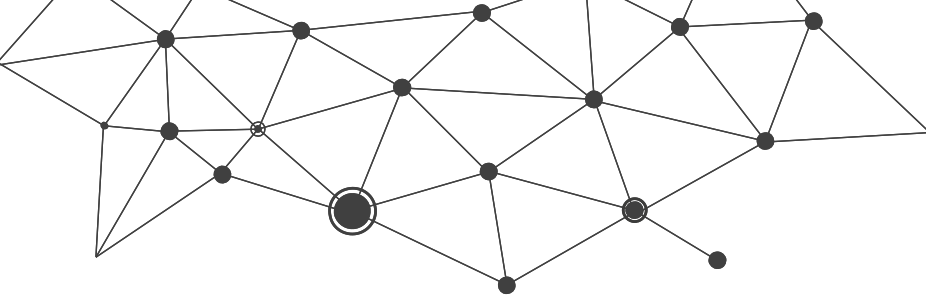
Chiang Mai is a regional center in the north of Thailand and has about 1 million inhabitants in the metropolitan area. To date the road mode dominates both passenger and freight transport. This leads to heightened levels of traffic congestion and pollution causing land use conflicts and inflated greenhouse gas (GHG) emissions being a major contributor to climate change.

The lack of adequate public transport infrastructure and services and the high rate of carbon emissions form the starting point to apply Low Carbon Mobility Planning (LCMP) in the current spatial planning process in Chiang Mai municipality. The vision for implementing an integrated sustainable mobility system is targeted towards an increase of non-motorised and public transport by up to 30% by 2030 to enhance the quality of urban living conditions, improve the urban environment and reduce air pollution in the city.

### ... and Possible Approaches

The improvement of **Non-Motorised Transport** in Chiang Mai should focus on the development of the network and facilities for cycling, which includes the revitalisation and implementation of roads and bike paths. Further attention is on the development of walkable neighbourhoods and walkable urban tourism, especially in the central areas, likewise to be combined with rickshaw transport. Chiang Mai is seeking to get involved with several nationally supported urban related master plans in Thailand such as on cycling, to respond to the local needs.

Alongside low carbon public transport and the development of green infrastructure, integrated low carbon mobility planning needs to foster new ways of individual urban mobility. **Shared-use mobility** concepts, such as car-, bike- or ridesharing reduce the total amount of vehicles in use and provide new opportunities in terms of restructuring land use and offering mobility concepts.



The main focus could be on the restructuring of the public transport towards an intelligent E-Bus Transport System. Good practices on the implementation of **electricity-powered means of transport** should consider economic, environmental and social aspects.

Apart from these also the concept of **car-reduced inner cities** and ways and means to **restrict access to city centres** are considered as effective approaches to start a transformation towards low carbon mobility.

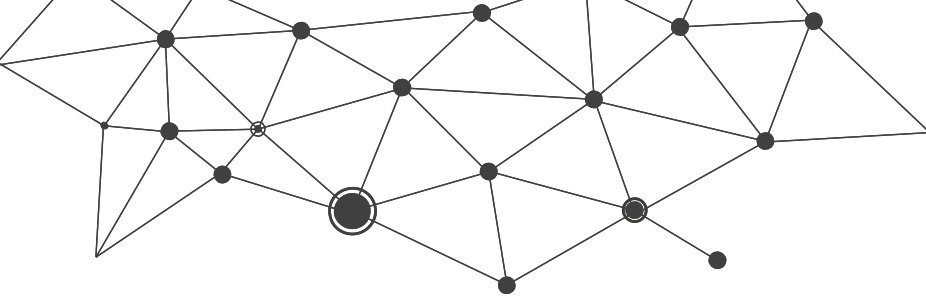
The workshop inter alia will address the afore-mentioned topics yet at the same time be flexible in its proceedings to respond to the interests and demands of participants.

## METHODOLOGY OF THE WORKSHOP

In the **first step**, international participants present good practices of low carbon mobility strategies such as E-Mobility, non-motorised transport such as bicycling as well as improved walkability, providing an overview of applied solutions and illustrating respective preconditions, success factors and outcomes. Strategies to reduce inner-city traffic are an important starting point into that direction.

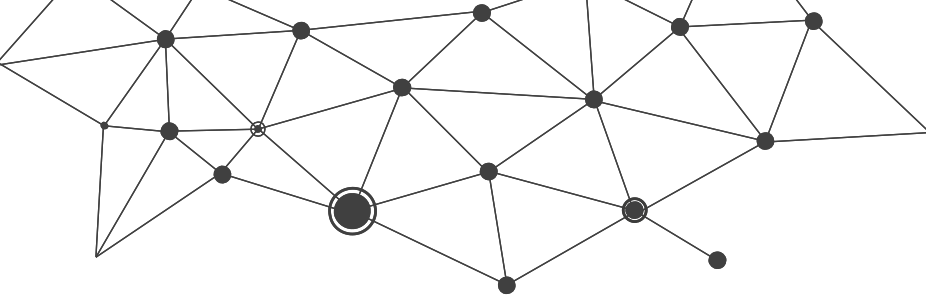
The **second step** aims at analysing the specific local conditions in the Chiang Mai metropolitan region and identifying actual challenges. The analysis is based upon short inputs on spatial, environmental, social and economic issues which will be prepared and presented by local participants. In a peer-to-peer advisory session, colleagues will diagnose, discuss and advise on the presented issues in order to help detect potential solutions.

In the **third step** participants will work on recommendations for action focusing on specific aspects of low carbon mobility which are suitable to be incorporated in the ongoing planning process of Chiang Mai municipality.



## **PARTICIPATING INSTITUTIONS** (preliminary list)

- German Association of Municipalities
- City of Leipzig, Germany
- Connective Cities, Bonn, Germany
- Thai Environment Institute, Bangkok
- GIZ Thailand
- Chiang Mai Municipality
- Chiang Mai Sunday Cycling Club
- Office of Transport and Traffic Policy and Planning
- Pollution Control Department
- Chiang Mai Chamber of Commerce
- Chiang Mai University
- Rajabphat Chiang Mai University
- Traffic Policeman Department
- Hug Chiang Mai Group
- Thai-Chinese Business Association
- Tourism Authority of Thailand, Chiang Mai Office
- Fha Ham Municipality
- Mae Hia Municipality
- Nongpakhrang Municipality
- Thasala Municipality
- Don Kaew Municipality



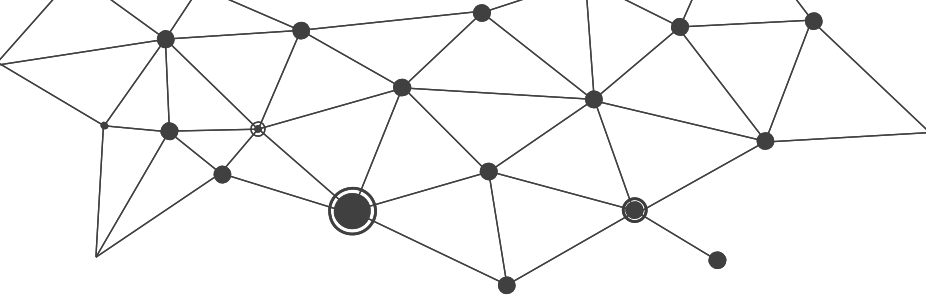
## Workshop Programme

### DAY 1 - 12 July 2017

#### Strategies and Concepts for Low Carbon Mobility & Planning

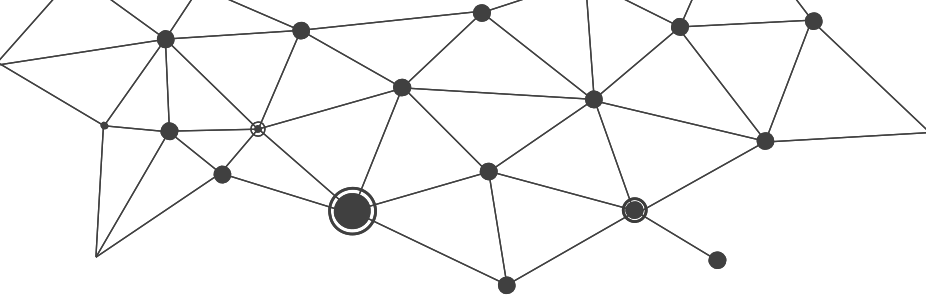
In line with the background information outlined above, the participating experts will provide inputs on strategies and concepts for low carbon mobility & planning. The key note by a renowned expert will provide the starting point and illustrate the characteristics of 2<sup>nd</sup> and 3<sup>rd</sup> tier cities and implications for connectivity in East Asia. Examples from cities in the region on their applied solutions and on the importance of urban mobility related planning processes will be highlighted.

Time	Agenda	Details
08:30	<b>Arrival and registration of participants</b>	
09:00	<b>Welcome &amp; Introduction</b>	<ul style="list-style-type: none"> <li>• Opening remarks by H.E. Governor of Chiang Mai province</li> <li>• Statement on sustainable urban transportation vision by the Mayor of Chiang Mai Municipality</li> <li>• Welcome speech by Connective Cities</li> <li>• Introduction to the workshop agenda</li> <li>• Introduction of participants</li> <li>• Photo session</li> </ul>
10:30	Coffee break	
11:00	<b>Key note:</b> <b>Transport Planning for Low Carbon Mobility in Secondary Cities: The Case of Chiang Mai</b>	<ul style="list-style-type: none"> <li>• Douglas Webster, Professor of East Asian Urbanization &amp; Senior Sustainability Scholar, School of Geographical Sciences &amp; Urban Planning, Arizona State University</li> <li>• Discussion and questions</li> </ul>
12:00	<b>Gallery walk on Good Practices</b>	<ul style="list-style-type: none"> <li>• Each presenter to give a short overview</li> </ul>
12:15	Lunch	



13:45	<b>Practitioners' Corner</b>	<ul style="list-style-type: none"> <li>Presentation and discussion of good practices</li> </ul>
	<p>Jan Rickmeyer, Cycling Coordinator, City of Leipzig, Department of Traffic and Construction, Planning Division</p> <p><b>Concept of car-reduced city center in Leipzig</b></p>	<p>Thomas Kiel, Senior Advisor, German Association of German Municipalities</p> <p><b>Access Restriction Schemes in German and European Cities</b></p>
15:00	Coffee break	
15:30	<b>Cont. Practitioners' Corner</b>	<ul style="list-style-type: none"> <li>Presentation and discussion of good practices</li> </ul>
	<p>Thomas Kiel, Senior Advisor, German Association of German Municipalities</p> <p><b>Electro-mobility as means against Climate Change in German Cities</b></p>	<p>Jan Rickmeyer, Cycling Coordinator, City of Leipzig, Department of Traffic and Construction, Planning Division</p> <p><b>Strategic cycling development and promotion in Leipzig</b></p>
16:30	<b>Wrap up: Success factors and replication</b>	<ul style="list-style-type: none"> <li>Transfer of good practices in relation to the context of the city of Chiang Mai</li> </ul>
17:00	Break	<ul style="list-style-type: none"> <li>Transit to restaurant</li> </ul>
18:00	<b>Dinner at Kum Kantok, Chiang Mai</b>	





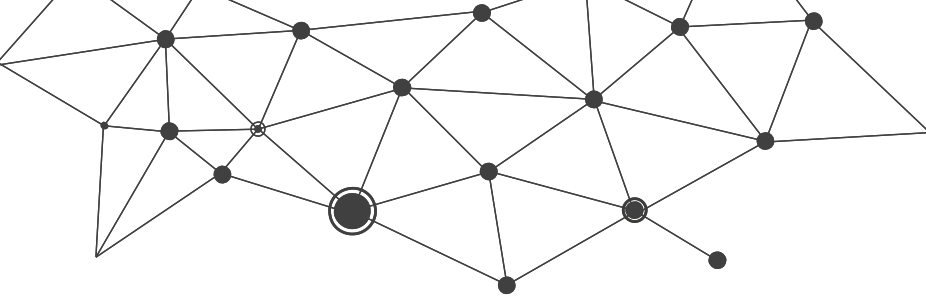
## DAY 2 - 13 July 2017

### Peer-to-peer advisory sessions

As a starting point for identifying underlying challenges and needs related to low carbon mobility, the urban spatial and mobility related conditions shall be mapped and analysed according to their causes and effects. Participants from Chiang Mai therefore are asked to present baseline conditions regarding the actual challenges, conditions, strategies and programmes to deal with urban mobility in the city and region.

Based on the presented baseline studies and on concrete challenges and needs they are facing, a peer-to-peer session will be conducted. In this session, participants will analyse the presented challenges, identify opportunities for improvement and recommend solutions to practical challenges.

Time	Agenda	Details
08:30	Arrival and registration	
09:00	Welcome and recap of day 1	
09:30	<b>Presentation of baseline studies</b>	<ul style="list-style-type: none"> <li>The Sustainable Urban Transport in Chiang Mai by Mr. Trinnawat Suwanprik, Sanitary Researcher, Chiang Mai Municipality</li> <li>Contraflow Bike Lane and Bicycle Road to promote Safe and Sound Cycling in Center of Chiang Mai City by Dr. Nirandorn Potikanond, Advisor of Chiang Mai Sunday Cycling Club</li> <li>Discussion and questions</li> </ul>
10:30	Coffee break	
10:45	Cont. <b>Presentation of baseline studies</b>	<ul style="list-style-type: none"> <li>A Study on Chiang Mai Public Transport Master Plan by Dr. Boonsong Satayopas, Associate Professor, Transportation Engineering, Chiang Mai University</li> <li>Discussion and questions</li> </ul>
12:00	Lunch	



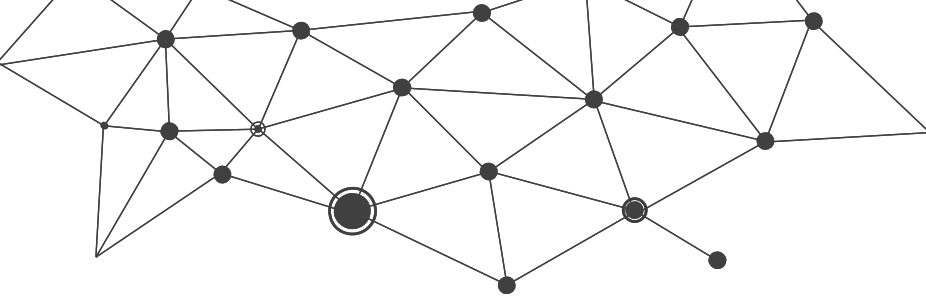
13:30	<b>Peer-to-peer session:</b> Analyse the presented challenges and recommend solutions	<ul style="list-style-type: none"> <li>• What are main obstacles in implementing low carbon mobility in Chiang Mai?</li> <li>• Which are opportunities to start the process towards low carbon mobility planning?</li> <li>• How could obstacles and opportunities realistically be overcome?</li> </ul>
16:30	<b>Wrap-up: Challenges and needs and practical solutions</b>	

## DAY 3 - 14 July 2017

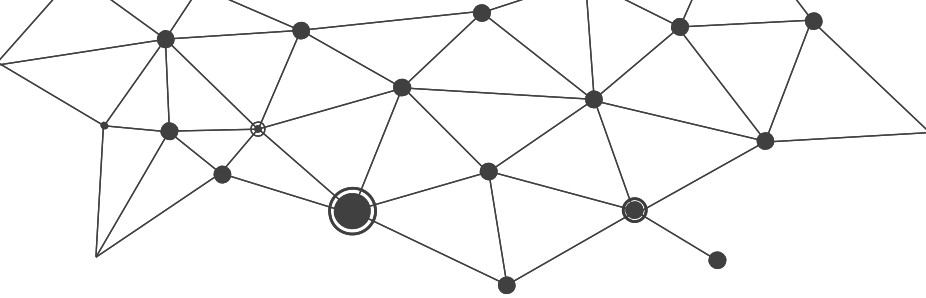
### Work on recommendations for action in application to Chiang Mai municipality

In the third step participants will work on recommendations for action focusing on specific aspects of low carbon mobility which are suitable to be incorporated in the ongoing planning process of Chiang Mai municipality. By means of an action planning toolkit and practical guidance the elements of a future strategy shall be defined and opportunities for new low carbon projects identified.

Time	Agenda	Details
08:30	<b>Arrival and registration</b>	
09:00	<b>Welcome and recap of day 2</b>	<ul style="list-style-type: none"> <li>• Reflections on workshop's process</li> </ul>
09:30	<b>Group Discussion:</b> <b>Action plan on low carbon mobility for Chiang Mai municipality</b>	<ul style="list-style-type: none"> <li>• Scenarios and Guiding Principles</li> <li>• Opportunities for new low carbon projects</li> <li>• Roadmap/action plan for low carbon mobility</li> </ul>
10:30	Coffee break	
10:45	<b>Cont. Group Discussion:</b> <b>Action plan on low carbon mobility for Chiang Mai municipality</b>	<ul style="list-style-type: none"> <li>• see above</li> </ul>
12:00	Lunch	



13:30	<b>Presentation of Roadmap Components and conclusion of the workshop's outputs</b>	<ul style="list-style-type: none"><li>• Presentation and discussion</li></ul>
14:30	Coffee break	
15:00	<b>Evaluation of Workshop Closing</b>	<ul style="list-style-type: none"><li>• What worked; what didn't?</li><li>• Follow up measures</li></ul>



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