



---

**CITYNET CONGRESS**

**Innovative Solutions for People-Friendly Cities:**

**Parallel Sessions**

**Clean Air for Smaller Cities in the ASEAN Region**

**Project Presentation**

5<sup>th</sup> November 2013  
Napaporn Yuberck, Regional Project Manager

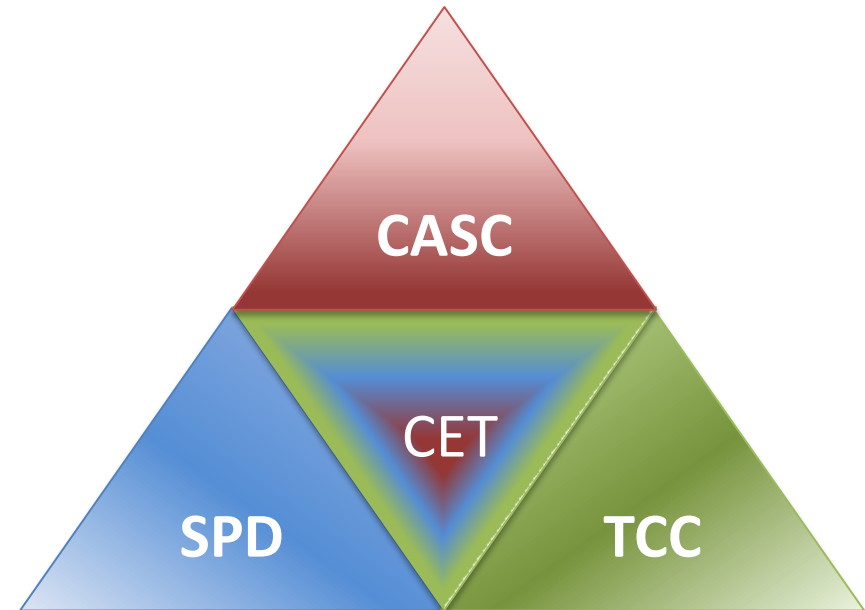


## Components

**Clean Air for Smaller Cities**

**Sustainable Port Development**

**Transport and Climate Change**



## Regional Program

**Cities, Environment and Transport in the ASEAN Region**



## Clean Air for Smaller Cities in the ASEAN Region

- **Focal Point at regional level**  
ASEAN Secretariat, Jakarta
- **Focal Point at national level**  
Ministry of Environment  
> 8 countries
- **Project Partners at local level**  
City administrations  
> 12 cities
- **CASC Office**  
Pollution Control Department  
(PCD), Bangkok





---

## Overall Objective - CASC

To develop clean air plans for smaller cities

### Co-benefits

- Climate Change Mitigation
- Better health for local citizens
- More tourism and increased overall quality of life



## **Our Approach – Our Philosophy**

- **The ownership is with the cities**
- **Maximum use of national and local know-how**
- **High degree of public participation in planning and implementation**
- **Focus on the cities' possibilities**  
**“The low-hanging-fruits approach”**

## Selected key activities

- **Road Map elaboration**
- **Public participation e.g.**  
Vision and Goals Workshops
- **Refinement of air quality  
monitoring data**



PM<sub>10</sub>

PM<sub>2,5</sub>

PM<sub>1</sub>

mass

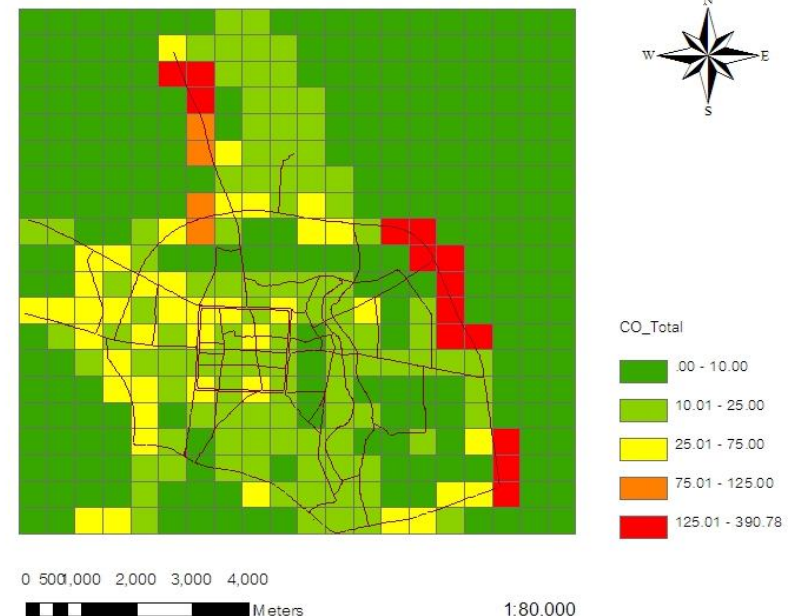
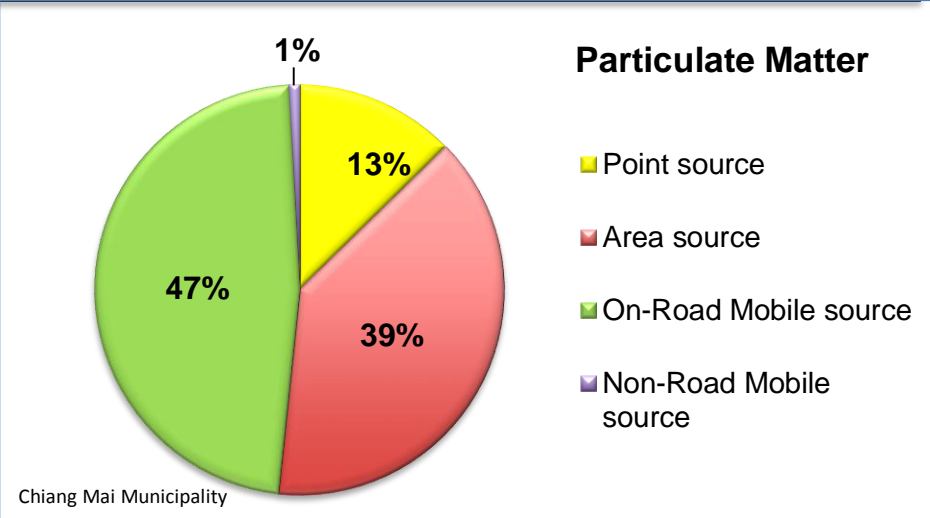
particle

Some activities:

- Selection of hot-spots in cities
- Up-grade of existing mobile station
- Interpretation of data
- Monitoring plans with “found”  
equipment
- Use of “rented” portable equipment

## Selected key activities

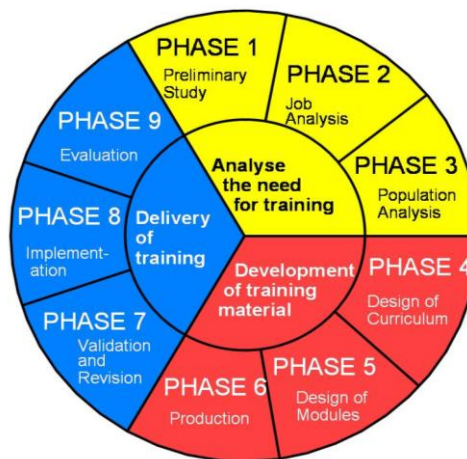
- Road Map elaboration
- Public participation e.g. Vision and Goals Workshops
- Refinement of air quality monitoring data
- **Emission inventory development**





## Selected key activities

- Road Map elaboration
- Public participation e.g. Vision and Goals Workshops
- Refinement of air quality monitoring data
- Emission inventory development
- **Immediate Action Plans**
- **CAP development**
- **Training development**



**Systematic  
Training  
Approach**

General AQ management for decision makers in cities

Emission inventories for cities

Air quality monitoring for cities

General AQM for NGOs

Effective Communication for NGOs on Air Quality Management





---

# **Institutionalisation of “Train for Clean Air” (T4CA), further training course development and delivery**

- elaboration of more course with broader aspects of air pollution
- institutionalise the training program in the ASEAN region

# ASEAN – German Technical Cooperation

## Clean Air for Smaller Cities in the ASEAN Region



### Status by Country and City

Activity Country/ City	City Selection	Road Map Missions	Vision and Goal Workshops	Emission Inventory	Refine AQ Monitoring	Preliminary Transport Improve- ments	National Workshop	Draft CAPs
Thailand	Chiang Mai (CM), Nakhon Ratchasima (NR) (06/09)	CM: 06/09 NR: 09/09	CM: Start 10/09 3 Events in Jan/Feb/Mar NR: Start 06/10 NR: Finish 1/11	CM: Finish 11/11 NR: Finish 11/11	CM: Start 03/11 NR: Start 03/11	CM: presented 05/11 NR: presented 10/11	08/10, 07/13	Ready 09/12 NR: Ready 04/13
Philippines	Iloilo (Ilo); Cagayan de Oro (CO) 09/09	Ilo: 10/09 CO: 05/10	Ilo: 11/10 CO: 11/10	Ilo: ongoing CO: ongoing	Ilo: Start 05/10 CO: Start 04/10	Ilo: Start 04/11 CO: Start 04/11	10/09, 07/13	Ilo: 04/13 CO: 06/2013
Indonesia	Solo (S); Palembang (P): 10/09	P: 02/10 S: 01/11	S: 07/11 P: 10/10	S: Start in 04/12 P: ongoing	S: open P: Start 05/11	open	04/11	P: 08/13 S: 02/14
Malaysia	Melaka	02/12	open	08/13	12/13	06/13	Open	Open (2014)
Vietnam	Bac Ninh (BN) Can Tho (CT)	BN: 09/12 CT: 2 <sup>nd</sup> half 2013	To be discussed	BN: 2 <sup>nd</sup> half 2013	BN: 2 <sup>nd</sup> half 2013	BN: 1 <sup>st</sup> half 2013	Open	Open (2014)
Cambodia	Phnom Penh (PP) – 08/09	11/09	NA	Open	Open	Start 04/11 Complete for EST 02/12	Open	Open (2014)
Lao PDR	Vientiane (V) 08/09	11/09	NA	2 <sup>nd</sup> half 2013	2 <sup>nd</sup> half 2013	Start 08/11 Finish 04/12	04/2012 (Nat. Steering Committee Meeting)	Open (2014)
Myanmar	Yangon (tbc)	2 <sup>nd</sup> half	Open	Open	Start 07/13	Open	Open	Open



## Selected Clean Air Measures (Case of Chiang Mai)

- Control and Reduce Road Vehicle Emissions-  
National I&M Policy Recommendations
- **Improve city's public transportation & non-  
motorization**
- **Further support sustainable urban mobility**
- Mitigate point, area and external air pollution
- Fill information gaps - Improve the scientific base
- Improve capacity building and raise awareness



## The Grace of Regional Projects

- **Regional integration at working level**
- **Sharing the same problems helps finding same solutions**
- **Stronger countries help weaker ones (“south-south” cooperation)**
- **Exchange of experts**
- **Economies of scale (once developed – applied 10++ times)**
- **Harmonisation of approaches and methods (“same standards”)**
- **Mainstreaming of environment and climate issues in the ASEAN bodies and “trickle-down” to member state authorities**





**Financial contributions from national governments and donors are needed!**





---

# Thank you!

## Contact:

Roland Haas, Programme Director [roland.haas@giz.de](mailto:roland.haas@giz.de)

Martina Kolb, Team Leader [martina.kolb@giz.de](mailto:martina.kolb@giz.de)

Napaporn Yuberk, Regional Project Manager, [napaporn.yuberk@giz.de](mailto:napaporn.yuberk@giz.de)

[www.CitiesForCleanAir.org](http://www.CitiesForCleanAir.org)

[www.CitiesEnvironmentTransport.org](http://www.CitiesEnvironmentTransport.org)