



# **ASEAN – German Technical Cooperation Cities - Environment - Transport**



Implemented by  
**giz** Deutsche Gesellschaft  
für Internationale  
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## **5<sup>th</sup> HIGH LEVEL SEMINAR ON ENVIRONMENTALLY SUSTAINABLE CITIES**

**28 February – 1 March 2014  
Surabaya, Indonesia**

# **ASEAN – German Technical Cooperation Programme “Cities, Environment and Transport”**

**Roland Haas – GIZ  
Programme Director**



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## Presentation Overview

### GIZ in brief

### Cities, Environment, Transport in the ASEAN Region (CET)

- **Clean Air** for Smaller Cities...
- Energy Efficiency and **Climate Change** Mitigation in the Land Transport Sector...
- Sustainable **Port** Development...

**Selected project impacts:** local – national – regional - global

**Our regional training approach:** Train-For-X (T4X)



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# giz

**Deutsche Gesellschaft für  
Internationale Zusammenarbeit  
(GmbH), Eschborn/Germany –**

## **German International Cooperation**

- **Established in January 2011**
- **Merging GTZ, InWEnt and DED**
- **some 17,000 employees worldwide**
- **Owned by Federal Republic of Germany**



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## CET Modules ...

**€ 13.2 mill.**

Hosted by Thailand

2013-2015  
€ 2.5 Mill.  
5 countries

**Transport  
and  
Climate  
Change  
(CC)**

**Clean Air  
for Smaller  
Cities  
(CASC)**

2009-2015  
€ 5.48 mill.  
8 countries –  
12 cities

**Sustainable  
Port Dev.  
(SPD)**

2009-2015  
€ 5.2 mill.  
7 countries –  
11 ports

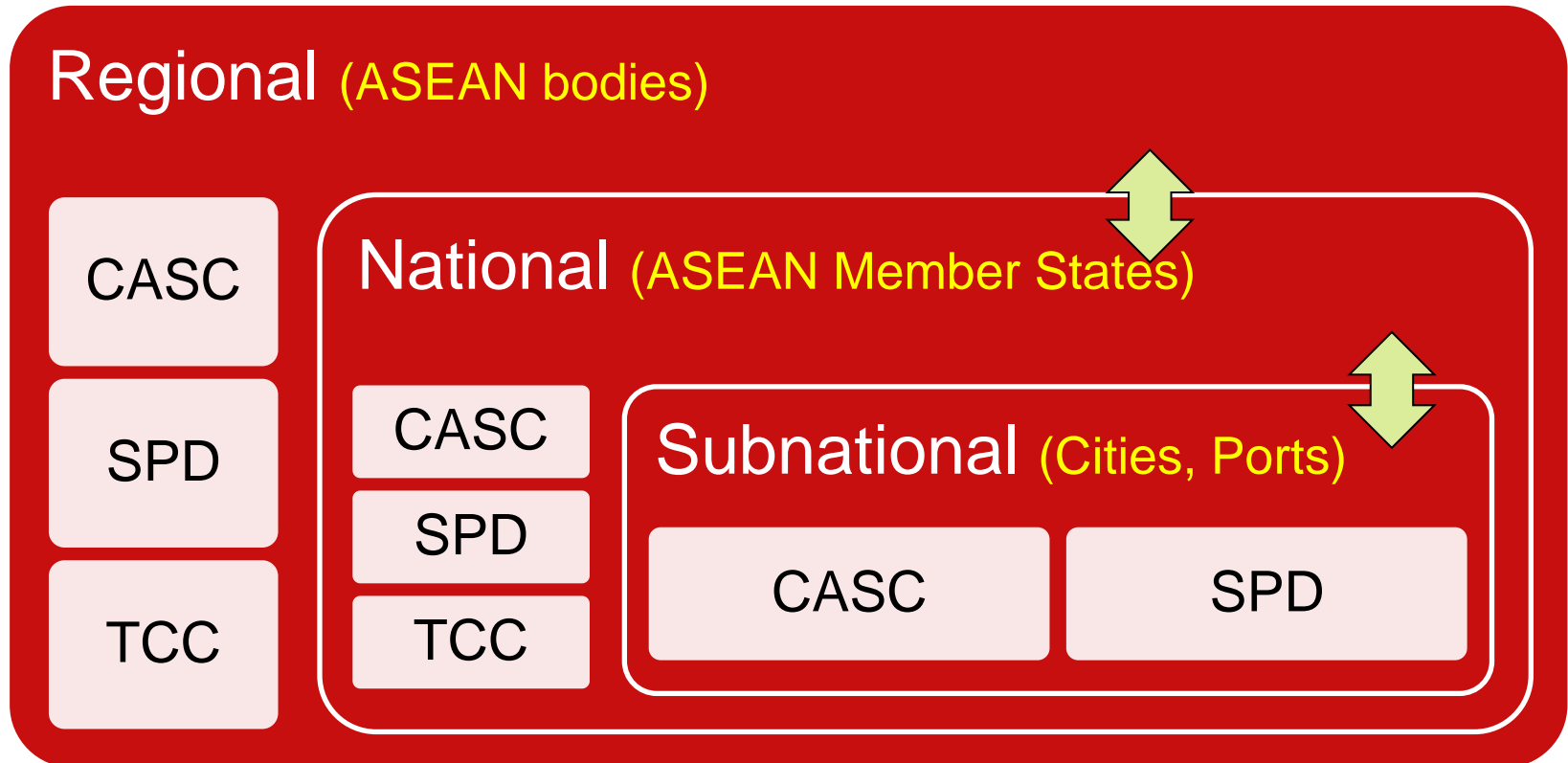


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## Working Levels



**CASC:** Clean Air for Smaller Cities  
**SPD:** Sustainable Port Development  
**TCC:** Transport and Climate Change



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## Clean Air for Smaller Cities





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## WHO: Outdoor air pollution is a leading cause of cancer deaths

17 October 2013:

- Outdoor air pollution is **carcinogenic to humans** (Group 1). The world's leading experts concluded that there is sufficient evidence that exposure to **outdoor air pollution causes lung cancer**.

Particulate matter, a major component of outdoor air pollution, was also classified as **carcinogenic to humans** (Group 1).

Source: International Agency for Research on Cancer (IARC) of the World Health Organization

More information is available here

[http://www.iarc.fr/en/media-centre/iarcnews/pdf/pr221\\_E.pdf](http://www.iarc.fr/en/media-centre/iarcnews/pdf/pr221_E.pdf)



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## Objective

**Clean Air Plans (CAP) in smaller and medium-sized cities are under implementation**

## Indicators

- **11 cities have developed and 7 are implementing CAPs (until 2015).**
- **National environmental agencies further develop the legal basis to improve air quality.**
- **The training modules of “Train-for-Clean-Air” are anchored at regional and national level.**





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## Clean Air for Smaller Cities in the ASEAN Region

- **Partner at regional level**  
ASEAN Secretariat, Jakarta
- **Focal Points at national level**  
Environment departments:  
8 countries
- **Project Partners at local level**  
City administrations:  
12 cities
- **CASC Office**  
Pollution Control Department  
(PCD), Bangkok





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## 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 monitoring stations
- Interpretation of data
- Monitoring plans with “found“ equipment
- Use of “rented“ portable equipment



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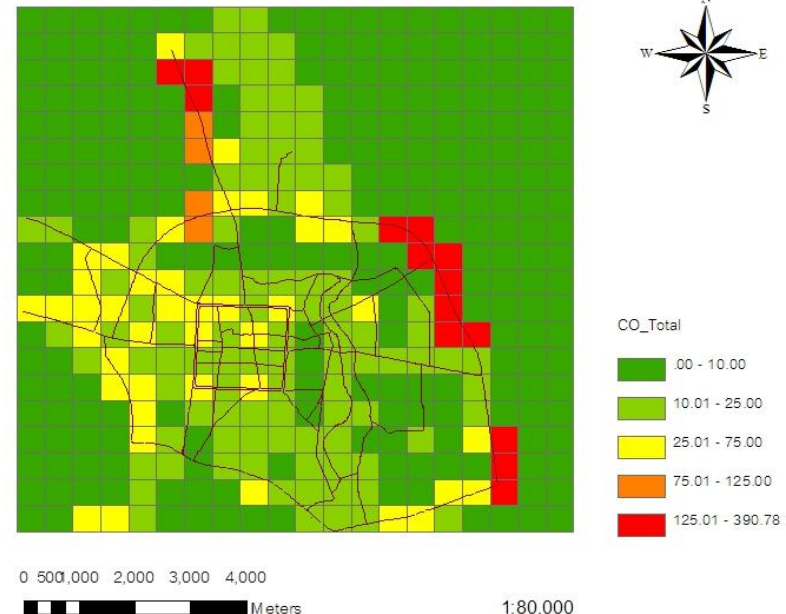
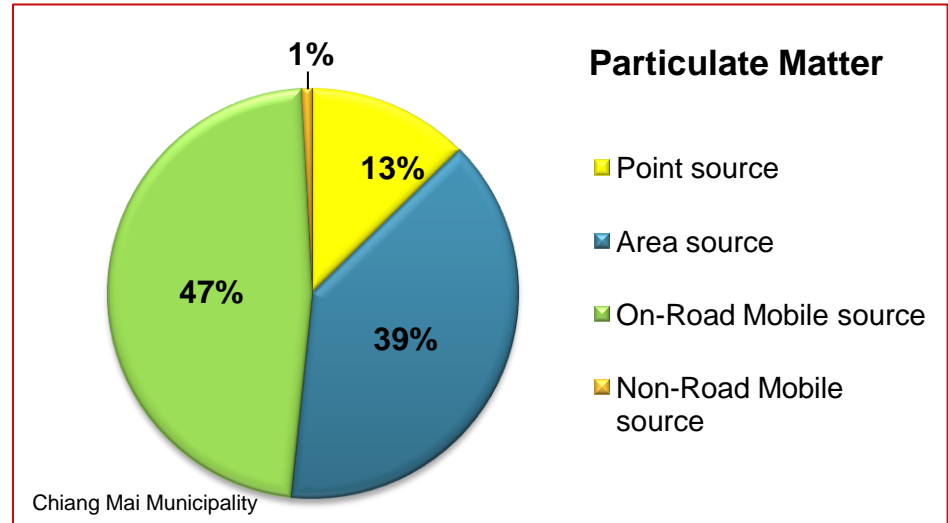
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## Selected key activities

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





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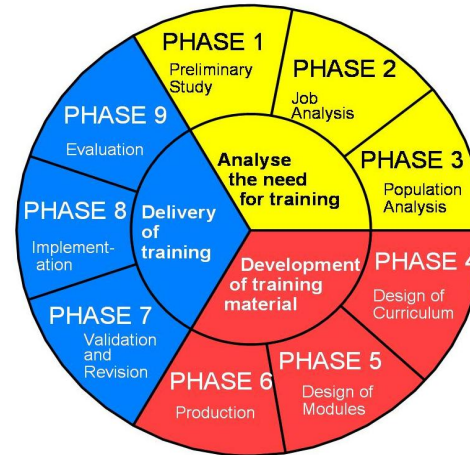
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### Selected key activities

- 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



**Regional Systematic Training Approach**

### 6 Courses (T4CA) developed

General air quality 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



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### Status by Country and City

Activity Country/ City	City Selection	Road Map Missions	Vision and Goal Workshops	Emission Inventory	Refine AQ Monitoring	Preliminary Transport Improvements	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



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## Energy Efficiency and Climate Change Mitigation in the Land Transport Sector (TCC)







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## Project Objective

**Increase of energy efficiency and reduction of greenhouse gas emissions for the land transport sector in ASEAN, by means of strategies and action plans**

## Indicators

- Development of an ASEAN regional policy for transport and climate change
- Guidelines and templates for national policies and action plans for Member State
- Action plans for five countries and implementation started in at least three ASEAN Member States
- Improvement of the measurement, reporting and verification (MRV) system in five countries



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## Sustainable Port Development







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## Project Objective

**Selected ports have improved the quality and efficiency of their Safety, Health and Environmental (SHE) management”**

## Indicators

- The management systems of at least 6 ports are certified
- Port waste management system have been implemented in the participating ports
- At least 6 ports have developed a system for collecting and monitoring accidents rates



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## Project Impacts: Local – National – Regional - Global

Project/Module <b>CASC</b>			
Measures	Local impacts	National impacts	Regional/ global impacts
<ul style="list-style-type: none"> <li>• Development and implementation of Clean Air Plans (CAP)</li> <li>• Emissions Inventories (EI) and Air Quality Monitoring Strategies</li> <li>• Development, delivery and institutionalization of training on air quality management</li> </ul>	<ul style="list-style-type: none"> <li>• Inclusion of CAP elements in mid-term urban development strategies</li> <li>• Health benefits for local residents and improved living conditions</li> <li>• Higher attraction to investors</li> <li>• Less congestion</li> <li>• Increased road safety</li> </ul>	<ul style="list-style-type: none"> <li>• EI guidelines on national level</li> <li>• Scaling up to more cities</li> <li>• Relief for the National Health System</li> </ul>	<ul style="list-style-type: none"> <li>• Harmonisation of approaches and standardisation</li> <li>• Mainstreaming of environment and climate issues in ASEAN bodies</li> <li>• Potential for reduction in greenhouse gases and SLCP</li> </ul>



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### Project Impacts: Local – National – Regional - Global

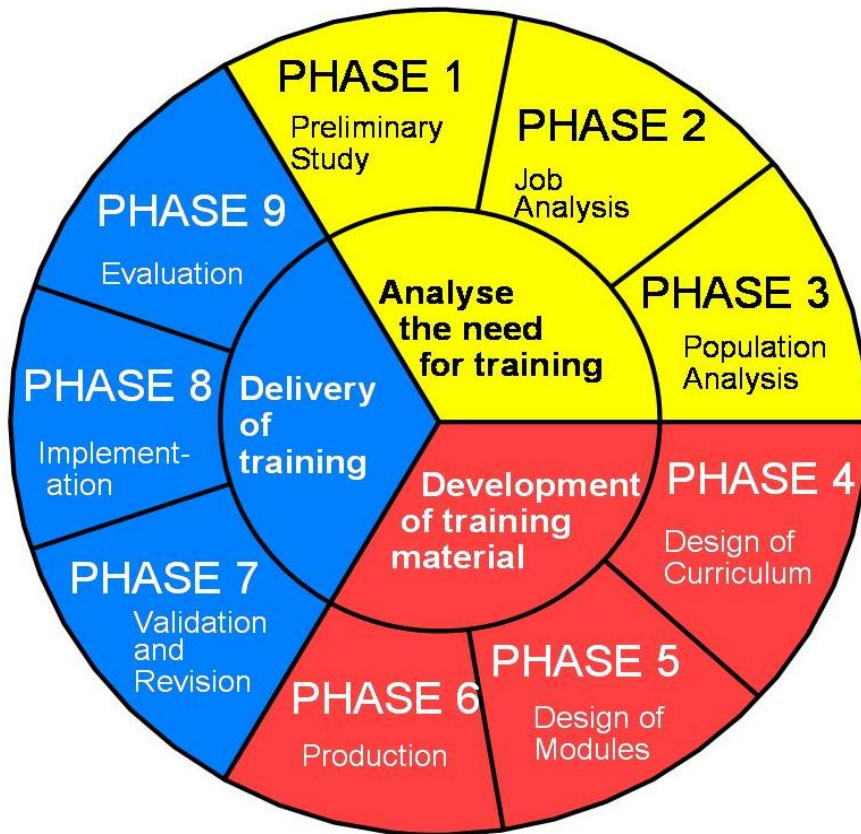
Project/Module <b>TCC</b>			
Measures	Local impacts	National impacts	Regional/ global impacts
<ul style="list-style-type: none"> <li>• Regional strategy on energy efficiency and GHG reduction in transport</li> <li>• Harmonised approach to monitoring</li> <li>• National strategies and action plans</li> </ul>	<ul style="list-style-type: none"> <li>• Air quality improvement</li> <li>• City livability</li> <li>• Reduced land take</li> </ul>	<ul style="list-style-type: none"> <li>• Reduced oil imports</li> <li>• Economic efficiency</li> </ul>	<ul style="list-style-type: none"> <li>• GHG reduction</li> <li>• Energy supply security</li> <li>• Resource efficiency</li> </ul>



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## T4-X Our regional (systematic) training approach

**Train For Clean Air (T4CA)**  
**Train For Ports (T4P)**  
**Train for Climate (T4C)**  
**Train for Transport (T4T)**



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## 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





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# Thank you!

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