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

Roland Haas – GIZ
Programme Director
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)
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
CET Modules …

Hosted by Thailand

- **Clean Air for Smaller Cities (CASC)**
  - 2009-2015
  - € 5.48 mill.
  - 8 countries – 12 cities

- **Transport and Climate Change (CC)**
  - 2013-2015
  - € 2.5 Mill.
  - 5 countries

- **Sustainable Port Dev. (SPD)**
  - 2009-2015
  - € 5.2 mill.
  - 7 countries – 11 ports
Working Levels

Regional (ASEAN bodies)

National (ASEAN Member States)

Subnational (Cities, Ports)

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

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.
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
Selected key activities

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

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
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

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
### Status by Country and City

<table>
<thead>
<tr>
<th>Activity Country/City</th>
<th>City Selection</th>
<th>Road Map Missions</th>
<th>Vision and Goal Workshops</th>
<th>Emission Inventory</th>
<th>Refine AQ Monitoring</th>
<th>Preliminary Transport Improvements</th>
<th>National Workshop</th>
<th>Draft CAPs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Philippines</strong></td>
<td>Iloilo (Ilo); Cagayan de Oro (CO) 09/09</td>
<td>Ilo: 10/09 CO: 05/10</td>
<td>Ilo: 11/10 CO: 11/10</td>
<td>Ilo: ongoing CO: ongoing</td>
<td>Ilo: Start 05/10 CO: Start 04/10</td>
<td>Ilo: Start 04/11 CO: Start 04/11</td>
<td>10/09, 07/13</td>
<td>Ilo: 04/13 CO: 06/2013</td>
</tr>
<tr>
<td><strong>Indonesia</strong></td>
<td>Solo (S); Palembang (P) : 10/09</td>
<td>P: 02/10 S: 01/11</td>
<td>S: 07/11 P: 10/10</td>
<td>S: Start in 04/12 P: ongoing</td>
<td>S: open P: Start 05/11</td>
<td>open</td>
<td>04/11</td>
<td>P: 08/13 S: 02/14</td>
</tr>
<tr>
<td><strong>Malaysia</strong></td>
<td>Melaka</td>
<td>02/12</td>
<td>open</td>
<td>08/13</td>
<td>12/13</td>
<td>06/13</td>
<td>Open</td>
<td>Open (2014)</td>
</tr>
<tr>
<td><strong>Vietnam</strong></td>
<td>Bac Ninh (BN) Can Tho (CT)</td>
<td>BN: 09/12 CT: 2nd half 2013</td>
<td>To be discussed</td>
<td>BN: 2nd half 2013</td>
<td>BN: 2nd half 2013</td>
<td>BN: 1st half 2013</td>
<td>Open</td>
<td>Open (2014)</td>
</tr>
<tr>
<td><strong>Cambodia</strong></td>
<td>Phnom Penh (PP) – 08/09</td>
<td>11/09</td>
<td>NA</td>
<td>Open</td>
<td>Open</td>
<td>Start 04/11 Complete for EST 02/12</td>
<td>Open</td>
<td>Open (2014)</td>
</tr>
<tr>
<td><strong>Lao PDR</strong></td>
<td>Vientiane (V) 08/09</td>
<td>11/09</td>
<td>NA</td>
<td>2nd half 2013</td>
<td>2nd half 2013</td>
<td>Start 08/11 Finish 04/12</td>
<td>04/2012 (Nat. Steering Committee Meeting)</td>
<td>Open (2014)</td>
</tr>
<tr>
<td><strong>Myanmar</strong></td>
<td>Yangon (tbc)</td>
<td>2nd half</td>
<td>Open</td>
<td>Open</td>
<td>Start 07/13</td>
<td>Open</td>
<td>Open</td>
<td>Open</td>
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</table>
Energy Efficiency and Climate Change Mitigation in the Land Transport Sector (TCC)
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
Sustainable Port Development
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
# Project Impacts: Local – National – Regional - Global

<table>
<thead>
<tr>
<th>Project/Module</th>
<th>Measures</th>
<th>Local impacts</th>
<th>National impacts</th>
<th>Regional/ global impacts</th>
</tr>
</thead>
<tbody>
<tr>
<td>CASC</td>
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</tbody>
</table>
| Measures       | • Development and implementation of Clean Air Plans (CAP)  
• Emissions Inventories (EI) and Air Quality Monitoring Strategies  
• Development, delivery and institutionalization of training on air quality management | • Inclusion of CAP elements in mid-term urban development strategies  
• Health benefits for local residents and improved living conditions  
• Higher attraction to investors  
• Less congestion  
• Increased road safety | • EI guidelines on national level  
• Scaling up to more cities  
• Relief for the National Health System | • Harmonisation of approaches and standardisation  
• Mainstreaming of environment and climate issues in ASEAN bodies  
• Potential for reduction in greenhouse gases and SLCP |
### Project Impacts: Local – National – Regional - Global

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<th>Regional/ global impacts</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCC</td>
<td>• Regional strategy on energy efficiency and GHG reduction in transport</td>
<td>• Air quality improvement</td>
<td>• Reduced oil imports</td>
<td>• GHG reduction</td>
</tr>
<tr>
<td></td>
<td>• Harmonised approach to monitoring</td>
<td>• City livability</td>
<td>• Economic efficiency</td>
<td>• Energy supply security</td>
</tr>
<tr>
<td></td>
<td>• National strategies and action plans</td>
<td>• Reduced land take</td>
<td></td>
<td>• Resource efficiency</td>
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</tbody>
</table>
T4-X
Our regional (systematic) training approach

Train For Clean Air (T4CA)
Train For Ports (T4P)
Train for Climate (T4C)
Train for Transport (T4T)
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
Thank you!

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www.CitiesEnvironmentTransport.org