Multi-year Expert Meeting on Transport, Trade Logistics and Trade Facilitation:

Third Session:
Small Island Developing States: Transport and Trade Logistics Challenges

24 – 26 November 2014

Transport in German Development Corporation: Selected Examples and Resources

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Transport in German Development Cooperation: Selected examples & resources

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GIZ’s purpose is to promote international cooperation for sustainable development and education work. As a 100% federally owned, public-benefit enterprise, we support the German Government in achieving its objectives in the field of international cooperation for sustainable development. GIZ operates in more than 130 countries and employs more than 17,000 staff members spread across the globe. Our annual turnover is about 2 billion Euro.

Projects implemented mainly on behalf of the German Federal Government (+ other donors)
Ongoing GIZ Transport and Mobility Projects

Example I

Sustainable Port Development in the ASEAN Region

On behalf of the Federal Ministry for Economic Cooperation and Development
Sustainable Port Development in the ASEAN Region

• Project partner: ASEAN Secretariat
• Budget: 5 M Euro
• Phase I (2009 – 2012)
• Phase II (2012 – 2015)
• Project objective: “Selected ports have improved the quality and efficiency of their Safety, Health and Environmental (SHE) management”

• www.sustainableport.org / Contact: franca.sprong@giz.de
• Implemented on behalf of the Federal Ministry for Economic Cooperation and Development (BMZ)

7 countries - 12 ports
1. Bangkok
2. Laem Chabang
3. Phnom Penh
4. Sihanoukville
5. Iloilo
6. Cagayan de Oro
7. Sabah
8. Johor
9. Saigon
10. Saigon Newport
11. Tanjung Priok
12. Yangon Port
Focus areas

• Awareness raising for national level SHE Policies
• Occupational Safety and Health (OSH)
• Reduction of environmental impacts from ports
• Promoting a regional approach on ship waste reception facilities and port waste management systems
• Policy development for a green / sustainable port
• Exchange and dissemination of experience within the region
• Building up regional capacity

A green port policy for Johor (Malaysia)

• On October 13, 2014 the Johor Port Authority (JPA) officially launched its Green Port Policy
• The policy is a general guide for all port operators under the jurisdiction of JPA in moving towards a Green Port Environment and Sustainable Port Development
• Goal: aligning port operations and development with the principles of sustainability and greater responsibility towards the environment and the community
Port Safety Health and Environmental Management System (PSHEMS) – 6 ports

- Incorporates the requirements of the 3 international standards (ISO9001/14001/OHSAS18001) into one integrated package specifically designed for usage in ports

Objectives of the PSHEMS

- Preventing human injury or fatality
- Preventing negative impacts on the environment, and any damage to property and cargo
- Improving operational efficiency and reliability of the port infrastructure / facilities / equipment
- Ensuring compliance to applicable legal and other requirements

Capacity Building and Training

- Training Needs Analysis
- 6 material based courses
- 6 Expert courses
- ASEAN Course Instructors trained and redelivered/applied (translated) modular training programs
- Regional workshops and meetings
- Regional experts shared between countries
Training course topics

<table>
<thead>
<tr>
<th>TARGET AUDIENCE</th>
<th>TARGET POPULATION</th>
<th>COURSE TOPIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL</td>
<td>Port employees</td>
<td>Handling of Dangerous goods in port areas – General awareness</td>
</tr>
<tr>
<td>Top Management</td>
<td>Policy makers, Decision makers,</td>
<td>General awareness on SHE including the business case</td>
</tr>
<tr>
<td>SHE-Unit</td>
<td>Manager of SHE unit</td>
<td>Safety Management Systems in Ports</td>
</tr>
<tr>
<td>Port workers</td>
<td>Operation Supervisors, General Workers</td>
<td>Handling of Dangerous goods in port areas - Advanced</td>
</tr>
</tbody>
</table>

Example II

Technical Cooperation in the Maritime Transport Sector in Timor-Leste

On behalf of the Federal Ministry for Economic Cooperation and Development
Technical Cooperation in the Maritime Transport Sector in Timor-Leste

- Lead executing agencies: Ministry of Transport and Communication, RDTL; SEFOPE
- Overall term: 2006 to 2016
- In close cooperation with: KfW Development Bank (financing for two ferries)
- Objective: Address the challenges of fragile institutions and the lack of qualified human resources in Timor-Leste, by supporting i.e. drafting of the maritime legal framework, supporting institutional development and improving qualifications of maritime (and related) personnel.
- Contact person: Rodrigo Garcia-Bernal, rodrigo.garcia-bernal@giz.de
- Implemented on behalf of the Federal Ministry for Economic Cooperation and Development (BMZ)

Example III
Coping with climate change in the Pacific island region

On behalf of the Federal Ministry for Economic Cooperation and Development
Coping with climate change in the Pacific island region

Countries: Pacific Island Region: Federated States of Micronesia, Fiji, Kiribati, Marshall Islands, Nauru, Palau, Papua New Guinea, Samoa, Solomon Islands, Tonga, Tuvalu, Vanuatu

Lead executing agency: Secretariat of the Pacific Community (SPC)

Overall term: 2009 to 2015

Objective: “The skills and capabilities of the local population, the national governmental authorities and regional organisations are enhanced in order to cope with the effects of climate change and combat its causes.”

Information and contact: http://www.giz.de/en/worldwide/14200.html / wulf.killmann@giz.de

Commissioned by: German Federal Ministry for Economic Cooperation and Development (BMZ)
Conceptual approach

**Resilience (including adaptation) in the transport sector**

<table>
<thead>
<tr>
<th>Robustness</th>
<th>Redundancy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do design standards for physical transport infrastructure meet the challenges implied by the risk analysis? What is the general state of key infrastructure systems/sections?</td>
<td>At which level of the maximum capacity is the transport network operating, and how much spare capacity (with regard to infrastructure and rolling stock) is available?</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Coordination and learning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Which stakeholders are involved in transport in general (national government, local government, private sector, non-profits)? How is the interaction and communication between them? Is the issue of resilience integrated in land use &amp; transport planning?</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Diversity and flexibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>How is the geographic coverage of the various transport modes, as well as their accessibility for disadvantaged population groups (e.g. poor, disabled)? What are the available transport options to/from key critical infrastructure (airports, hospitals, power stations, escape routes to the hinterland etc.)?</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Responsiveness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is there any traffic control system (including sensors, cameras, control center etc.), and to which extent does it cover different modes (e.g. individual and public transport)?</td>
</tr>
</tbody>
</table>

Source: Internal study „Being prepared“, GIZ/SIEMENS 2014

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**Funding instrument by BMUB for projects: ICI**
(not affiliated with GIZ, which is only one of several implementers)

Selected resources


- Collection of resources in the field of Resilience/Adaptation in the Transport Sector: [https://energypedia.info/wiki/Resilience_in_the_Transport_Sector](https://energypedia.info/wiki/Resilience_in_the_Transport_Sector)


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International Fuel Prices

- Since 1991 GIZ carries out regular worldwide Fuel Price Surveys. One of its goals is to provide a worldwide comparison of retail prices to track / to highlight energy price policies in developing countries.

- Currently, data are available for 170 countries for Diesel and Gasoline based on survey in Mid-November 2012

- Part of World Bank Indicator Set (World Development Indicators, World Road Statistics, …)

- 2012 Survey available on: [www.giz.de/fuelprices](http://www.giz.de/fuelprices)

- Factsheets for more than 130 countries on: [https://energypedia.info/index.php/International_Fuel_Prices](https://energypedia.info/index.php/International_Fuel_Prices)
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More information and contact

Websites
General
www.giz.de/transport

Specific resources
www.giz.de/fuelprices
www.sutip.org
www.transport2020.org

Individual project websites
www.transferproject.org
www.sutip.org
www.tdm-beijing.org
www.citiesenvironmenttransport.org
www.citiesforcleanair.org
www.sustainabletransport.org
www.sustainableport.org
www.transportandclimatechange.org
www.electro-mobility.cn
www.movewithoke.com.na
www.sustainabletransport.org

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