

# Capacity building for new technologies

Jens Burgtorf, GIZ – LCS - RNet 11th Annual Meeting

The global community has set itself  
**ambitious goals.**



**1 NO POVERTY**



**2 ZERO HUNGER**



**3 GOOD HEALTH AND WELL-BEING**



**4 QUALITY EDUCATION**



**13 CLIMATE ACTION**



**5 GENDER EQUALITY**



**6 CLEAN WATER AND SANITATION**




**THE GLOBAL GOALS**  
For Sustainable Development

**7 AFFORDABLE AND CLEAN ENERGY**



**8 DECENT WORK AND ECONOMIC GROWTH**



**10 REDUCED INEQUALITIES**



**11 SUSTAINABLE CITIES AND COMMUNITIES**



**12 RESPONSIBLE CONSUMPTION AND PRODUCTION**



**16 PEACE, JUSTICE AND STRONG INSTITUTIONS**



**9 INDUSTRY, INNOVATION AND INFRASTRUCTURE**



**14 LIFE BELOW WATER**



**15 LIFE ON LAND**



**17 PARTNERSHIPS FOR THE GOALS**



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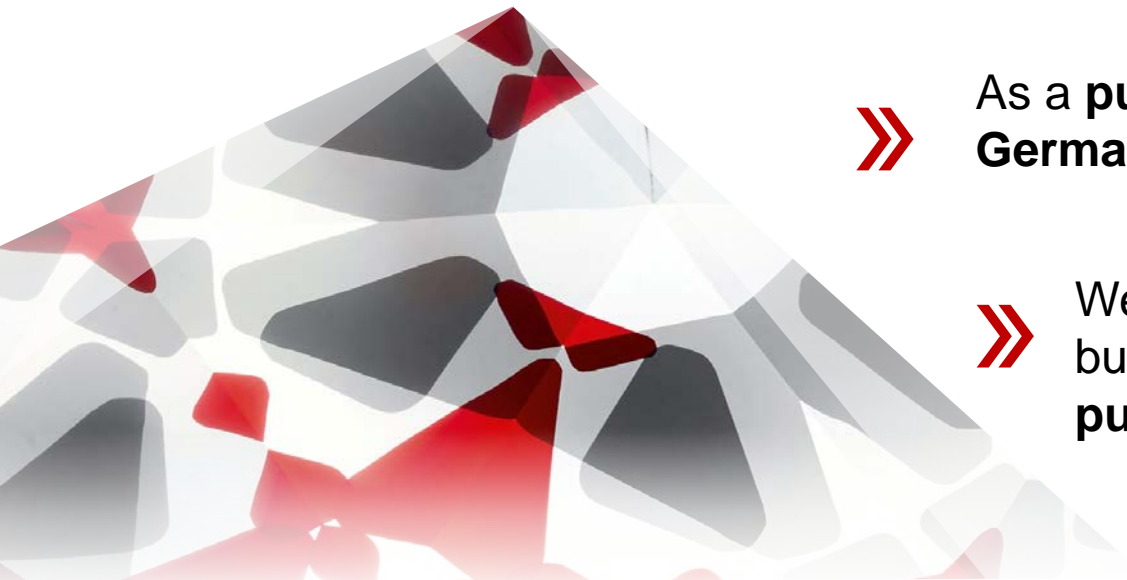



The background of the slide is an abstract composition of overlapping, semi-transparent geometric shapes. On the left side, there are several bright red shapes, including triangles and irregular polygons. On the right side, there are several grey shapes, also in various geometric forms. The shapes overlap each other, creating a sense of depth and movement. The overall color palette is limited to red, grey, and white.

To achieve these **ambitious goals**  
**we are working together worldwide.**

# GIZ is a service provider in the field of international cooperation for sustainable development and international education work...

- » We support the German Government in achieving its objectives in the field of **international cooperation for sustainable development**.
- » We promote **international education work and human capacity development**.
- » As a **public-benefit federal enterprise** we uphold **German and European values**.
- » We **are a company under private law** and have a taxable business area **GIZ International Services** alongside our **public-benefit** business area.



A world map with a red overlay. The map shows the continents in white and light gray. There are several red dots scattered across the map, indicating project locations. The dots are concentrated in Europe, Africa, and Asia. The text is overlaid on the map in the bottom left corner.

For our clients and commissioning parties we are working  
with our partners **on more than 1,500 ongoing projects**  
in about **120 countries.**

# Selected business statistics (2018)





# In our work we draw on a wealth of experience-based approaches and methods.



Advisory services and project implementation



International capacity development



Networking, dialogue and mediation



Management and logistics

Our **vision** is to create  
a **future worth living** around the world.





## **Sustainability is at the heart of our actions...**

- » Social responsibility
- » Ecological balance
- » Economic capability

...because we aim to achieve lasting **results.**

# Figures that show **results**



**3.8 million**  
people have increased  
their income



**6 million**  
people have access to  
modern forms of energy



More than  
**6 million**  
displaced people  
reached



Lower levels of greenhouse  
gases: Emissions have been  
reduced by  
**36 million**  
tonnes of CO2 equivalents

# The areas we work in are extremely diverse



Displacement and migration



Environment and climate



Rural development



Sustainable infrastructure



Social development

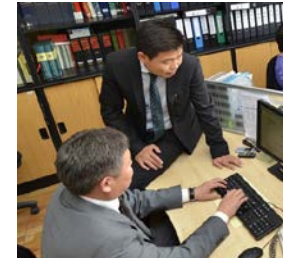


Economic development and employment

Security, reconstruction and peace



Governance and democracy



A photograph of three people sitting outdoors, looking at a large white sheet of paper. On the left is a man in a white shirt. In the middle is an older man with a mustache wearing a blue shirt and a tan cap. On the right is a woman in a white polo shirt and a tan cap. The background shows a bright, sunny outdoor setting with a body of water and some vegetation.

This is what our **joint solutions**  
look like in practice ...



# Trainings in Germany: Renewable Energy & Efficiency Week

Berlin 7. – 11. October 2019



# Capacity Building in Germany



## The context

- Huge RE and EE potential in developing and emerging countries
- Lack of access to capital, **staff**, infrastructure and **knowledge**



## What we have already achieved

**25** countries participate in GIZ's annual REEW in Berlin, 60 RE teachers p. a. participate in trainings



## What we are doing with our partners

- Advising partner organizations, utilities, politicians and entrepreneurs and supporting them
- Networking with well-known companies, associations, start-ups and social enterprises



# Energy access



## The context

- Thousands of villages without access to modern energy
- Huge RE potential, mostly in solar power
- Lack of access to capital, **staff**, infrastructure, knowledge



## What we have already achieved

**19.2** million people with energy access in 25 countries by the multi donor programme Energising Development (EnDev)



## What we are doing with our partners

- Train-the-trainer in Germany
- Advising local entrepreneurs and supporting them until their products are ready for market
- Training of local people on solar home systems, micro and mini grids etc.



# Energy Efficiency Education in India



## The context

- Despite huge investments lack of power
- Huge potential for energy efficiency in India
- Lack of basic knowledge



## What we are doing with our partners

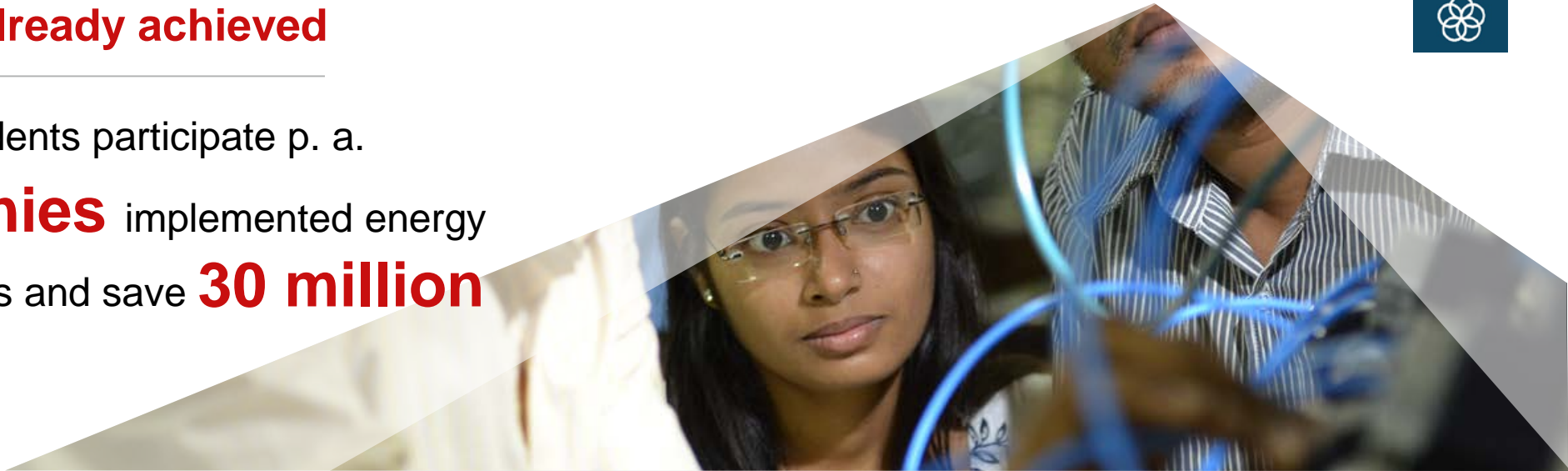
- Country wide students painting competition Establishment of Energy Manager Programme and training for experts
- Trainings for Energy Manger
- Workshops with all industries



## What we have already achieved

**5 million** students participate p. a.

**478 companies** implemented energy efficiency measures and save **30 million** tons of CO2



# Cooperative vocational education in Mongolia



## The context

- In Mongolia's extractive sector another 40,000 skilled workers are needed
- Graduates of vocational schools frequently cannot find work because their training does not meet the needs of the working world
- There is a lack of upgrading programmes for job-seekers with no formal qualifications



## What we are doing with our partners

- Modernising training
- Delivering needs-driven advisory and training measures
- Supplying supplementary equipment for the vocational school workshops



## What we have already achieved

- More than **280** teachers from 12 vocational schools have received training
- More than **1,200** students benefit from the new training on offer



# Opportunities for women in North Africa and the Middle East



## The context

- The countries of North Africa and the Middle East have the world's lowest rates of female participation in economic life
- Women without higher schooling are more likely to work, but mainly in poorly paid jobs with no social insurance



## What we are doing with our partners

- Gender diversity management: encouraging women to enter and remain in working life
- Introducing flexible working hours and gender quotas, developing career prospects



## What we have already achieved

So far cooperation agreements have been signed with **20 companies**





Capacity building is essential to  
develop **low carbon societies** world wide



## Contact

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