



# Fit for Green Cooling: How Proklima supports qualification, certification and registration of RAC technicians in Latin America

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**giz** Deutsche Gesellschaft  
für Internationale  
Zusammenarbeit (GIZ) GmbH

On behalf of



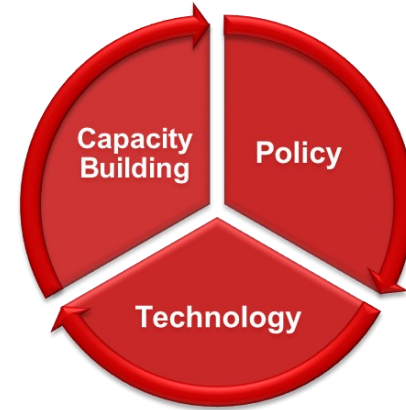
Federal Ministry for  
Economic Cooperation  
and Development

Federal Ministry for the  
Environment, Nature Conservation  
and Nuclear Safety



# GIZ Proklima

- Established in 1995 in the context of implementing technical projects under the Montreal Protocol
- Promoting and introducing **natural refrigerants and energy-efficient appliances** in the **refrigeration and air-conditioning and foam (RAC&F) sector**
- Supporting around 40 partner countries in the field of **integrated ozone and climate protection**



On behalf of



of the Federal Republic of Germany

## How to successfully qualify, certify and register technicians in handling natural refrigerants?



Proper **qualification** of RAC technicians minimises environmental and health-related risks, increases energy-efficiency and ensures the creation of a future-oriented workforce



**Certification** makes the level of knowledge of technicians measurable



**Registration** gives countries an overview of trained workers and certification status

# Qualification: Cool Trainings in Latin America

## International trainings:

- Cool Training Germany for policy makers and RAC technicians: since 2014, more than 20 trainings, about 300 participants from 63 countries
- Virtual Cool Training: coming soon



Cool Training Germany

## National/regional trainings:

- Brazil
- Costa Rica
  - Five one-week trainings for 16 RAC teachers/technicians each on the safe use of HC
- Grenada
  - 13 Trainers trained
  - Development of a concept for an ongoing Cool Training in Grenada together with national vocational training centre



Cool Training Grenada



Costa Rica: regional and national 2019

# Other meeting spaces for RAC stakeholders

## Fit for Finance

- Grenada (2019)
- Mexico (2021)



Fit for Finance Mexico

## Technology Roadshows

- Germany  
2018.10.15-19
- Costa Rica  
2019.03.25-27
- Grenada  
2019.03.26-27
- Virtual  
2021.04.27-05.18



Technology Roadshow Costa Rica



Technology Roadshow Germany

# Fit for Green Cooling: Our services

## (1) Qualification

- We provide a guideline with 14 theoretical and practical modules in accordance to international standards (EN 13313 and draft ISO/DIS 22712)
- We support national training institutes to integrate the modules into pre-existing curricula.
- We conduct “Trainings of the Trainers” and assist with the implementation.

## (2) Certification

- We develop examination procedures.
- We build capacity of Certification Bodies.
- We develop materials, tools and instruments for certification processes.
- We assist with labelling, reporting and monitoring.

## (3) Registration

- We identify registration needs of people, companies, products.
- We develop an R-scheme and investigate enforcement requirements.
- We assist with the development of materials, tools and instruments.
- We assist with reporting and monitoring.

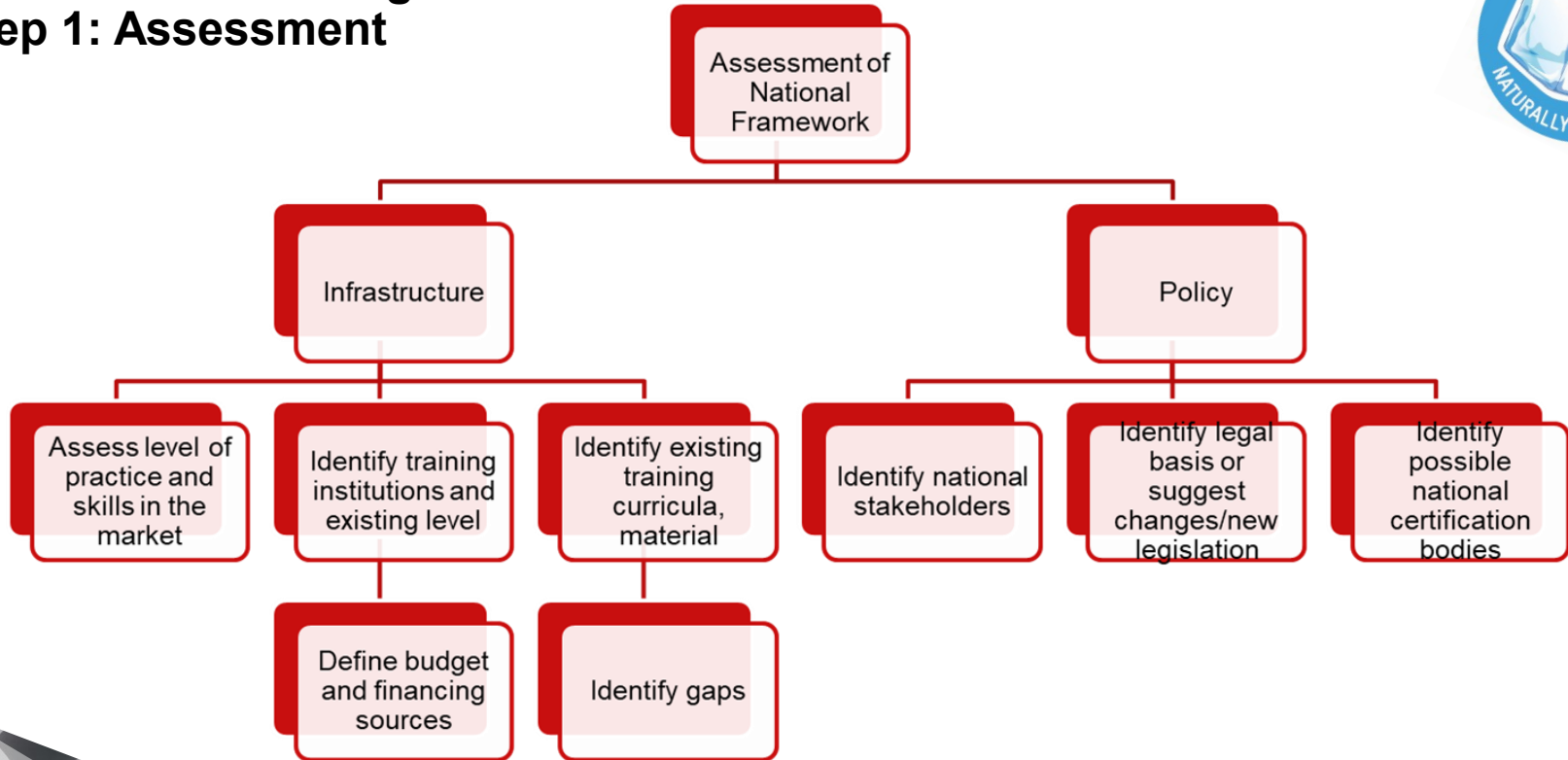


Hydrocarbon Training Manuals: Thailand and Iran

- ✓ 14 Practical and theoretical training sessions
- ✓ Trainer manual
- ✓ Chapter Material incl. Handbook & Handouts
- ✓ PPT Presentations
- ✓ Skills to assess
- ✓ Assessment Questions

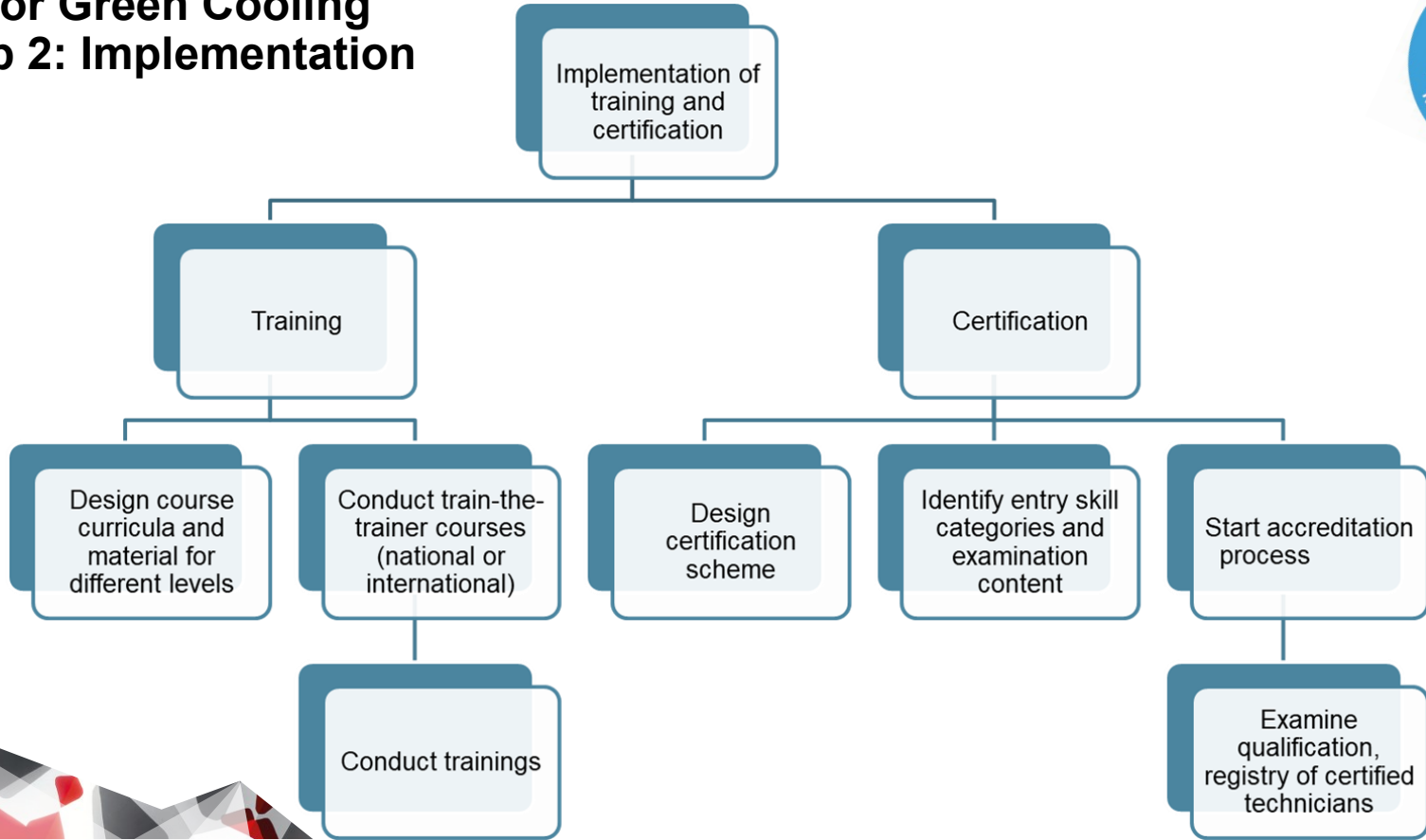
# Fit for Green Cooling

## Step 1: Assessment



# Fit for Green Cooling

## Step 2: Implementation





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**Visit our website!**

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