

WORKSHOP ON ENERGY EFFICIENCY

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Financing energy efficiency and sustainable RAC

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Background

CONTEXT

Finance hurdle

Securing and deploying adequate finance is a key challenge for achieving low-carbon transformation aligned with Paris Agreement goals.

RAC Sector Complexity

The RAC sector, spanning manufacturing to energy end-use, faces unique finance challenges due to its cross-sectoral nature and diverse institutional responsibilities.

PUBLICATION

The paper focusses on questions related to the financing of the low-carbon transition of the RAC sector.

The objective of the paper is

- to provide an overview of the (climate) finance situation in the sector
- to analyse the different available sources of finance, and
- to identify roles of different actors



- GIZ Proklima Cool Contributions fighting Climate Change (C4) publication
 - Authorship: HEAT GmbH and NewClimate Institute





Financing low-carbon development in the RAC sector

Financing indirect emissions reductions

- Capital investments are needed to facilitate the development, manufacturing, distribution and deployment of low-carbon cooling technologies.
- This covers both the supply side as well as the demand side across a wide range of industries and end use areas.

Financing low-carbon development in the RAC sector must address two aspects

The HCFC phase-out and the HFC phase-down is supported through the Multilateral Fund (MLF)

Sources for funding energy efficiency measures are more scattered and involve many stakeholders as well as institutional mandates.



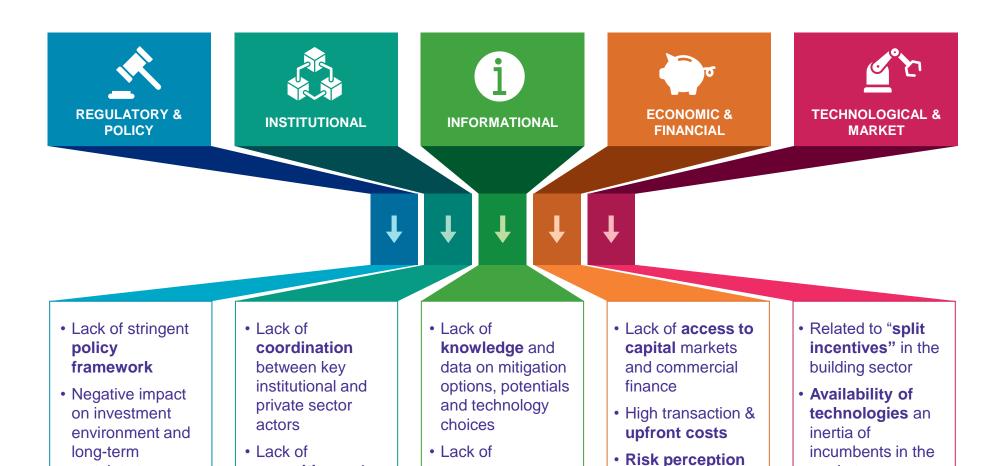


Barriers to finance low-carbon development in the RAC sector

capacities and

skills in key

institutions



awareness

and benefits

around availability



certainty to

potential investors



market

of new and

innovative

technologies

Integrated approach: Intervention measures

FINANCIAL INTERVENTIONS



- Bonus or penalty scheme
- Tax breaks / subsidy reforms



- Increased (public) budget to create institutional capacities
- ECONOMIC & FINANCIAL
- Subsidies/loans/credit lines
- Guarantees/risk sharing
- Grant schemes
- PPP co investments
- TECHNOLOGICAL & MARKET
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- Tax breaks and subsidy reform
- Subsidised loans/ dedicated credit lines

NON-FINANCIAL INTERVENTIONS

- Integrated policy planning
- Normative frameworks
- Monitoring and enforcement capacities
- Demonstration projects
- Capacity building
- Testing facilities for products
- Project bundling
- Improved RAC stats
- Sharing market information on prices and efficiency
- Training & qualification
- Market reform and R&D
- Conversion of manufacturers



Integrated approach: Actor landscape



NATIONAL GOVERNMENT

Central role: create an enabling environment to mobilise private sector investments

Areas for action:

- Optimising regulatory and policy framework
- Strengthening national institutions
- Facilitating dialogue between public and private sector actors
- Creation of financial incentives

→ With favourable policy environment and competent institutions, more private sector finance and int. support can be mobilised



INT PUBLIC SUPPORT

Central role: "Bridging the gap" / leveraging private sector capital

Areas for action:

- Provision of financial support through, e.g., guarantees, grants, concessional finance, etc.
- Provision of technical assistance and capacity building as well as support in awareness raising

→ With streamlined international supported national governments can be supported and private sector actors are encouraged to invest in climate-friendly RAC



PRIVATE SECTOR

Central role: Provision of lion's share of required investments to reach market suitability

Areas for action:

- Scaling up and sustaining (public)
 climate and energy investments, in
 the supply & the demand sector
- Promote innovative finance mechanisms
- Co-financing large-scale energy infrastructure projects
- → Private sector engagement is relevant and appropriate since most EE investments are cost effective and present short payback periods





Unlocking private sector finance – selected examples

	Mechanism	Description	RAC sector use cases (e.g)	Benefits
Supply side	Blended finance*(11)	Strategic use of public and private funds to mobilise additional capital, combining concessional financing with commercial investment.	Financing of production conversion	 Incentives for production conversion through preferential conditions Compliance with international standards by imposition of compliance requirements
Demand side	ESCO*(10)	Third-party company providing and financing energy-efficient solutions to clients, with the ESCO receiving a share of the resulting cost savings.		 Unlock demand in untapped sectors Lowering upfront cost hurdle for EE investment Lowering prices and thus increasing cash sales
	Leasing / credit financing*(8)	Financial products that enable customers to purchase and install state-of-the-art technology by means of instalment payments.	Enabling end-users to aquire energy efficient and climate-friendly RAC technology	Similar to above – but among different target audience
Support measures	Green Public Procurement*	The acquisition of goods and services by the public sector through public contract with focus on environmental criteria.	Increase the share of energy efficient and climate friendly RAC technology in public buildings	 Set examples to private consumers Raise awareness Set standards (GWP / EE) Drive prices down
	ESG Standards	Investors and stakeholders use ESG standards to assess sustainable practices of a business, influencing investment decisions and promoting responsible corporate behaviour.	Accelerate the transformation in the RAC sector, when large, internationally active banks adopt GWP / EE standards	Similar to above – but potentially with an international dimension





^{*} Covert in one of the Case Studies identified by the Secretariat as part of this event

Key messages / Conclusions

1



LOCAL CONTEXT A comprehensive finance strategy should be based on careful analysis of local barriers, needs and costs, to identify appropriate instruments to enable mitigation action in the RAC sector.

2



GRANULARITY A RAC sector finance strategy on country level should outline a clear breakdown of action, impact and contributions to be made by national budgets, international support and the private sector.

3



PRIVATE SECTOR Private sector engagement is key for long-term, low-carbon development in all sectors, including the RAC sector.

4



SUSTAINABLE DEVELOPMENT The inclusion of development issues in RAC sector financing is an incentive for national stakeholder engagement and produces multiple benefits.

5



COORDINATION Enhanced coordination of finance flows under the ozone and the climate regime, can increase effectiveness of international mitigation efforts in the RAC sector.



Contact

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THANK YOU FOR YOUR ATTENTION





Back-up slide - Rational for financing Green Cooling

