The Nexus Chemistry - Climate Change: Understanding Trends, Risks and Opportunities

Webinar series

Background

The chemical industry and its products constitute not only a fundamental cornerstone of modern life as well as global and national economies. The chemical sector also accounts for around 10% of the world´s final energy demand and 8% of global greenhouse gas emissions (GHG)([1]). At the same time, the chemical industry is a source of innovations and materials that are crucial for the roll-out of future-oriented low-carbon technologies. In this sense the branch is already developing scenarios for radical GHG mitigation and even complete defossilization - focusing among others on Power-to-X options, combined with circular economy approaches.

On behalf of the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU) and under the International Climate Initiative (IKI), the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) implements the project called CAPCI (Climate Action Programme for the Chemical Industry) that aims to enable key actors in selected developing countries and emerging economies to identify and tap mitigation potentials in chemical production and associated value chains.

The webinar series is organized by CAPCI in cooperation with the International Council of Chemical Associations (ICCA)([2]) and the Capacity Building Network of the United Nations Climate Secretariat (PCCB-Network) ([3]).

These webinar series consist of 4 sessions of 90 minutes each that address different aspects and perspectives of the nexus chemistry – climate change. It is meant for a broad range of stakeholders from public and private sector along the entire value chain of chemicals production and use.

The Webinar Series at a Glance:

- **Session 1: Overview** - The nexus chemistry and climate change: Role and importance of the chemical industry for tackling climate change
  02.09.2021 (12:30 – 14:00 Berlin Time)
- **Session 2: Innovation** in and from the chemical sector as a key driver for low-carbon solutions
  06.10.2021 (12:30 – 14:00 Berlin Time)
- **Session 3: Climate policies** – Potential contributions of the chemical industry for ambitious climate policies and mitigation objectives
  03.11.2021 (12:30 – 14:00 Berlin Time) tbc
- **Session 4: Practical solutions** for tackling climate change: Learning experiences and good practices from the chemical industry
  01.12.2021 (12:30 – 14:00 Berlin Time) tbc

For registration and further information:
capci@giz.de

In cooperation with:

On behalf of:

About CAPCI

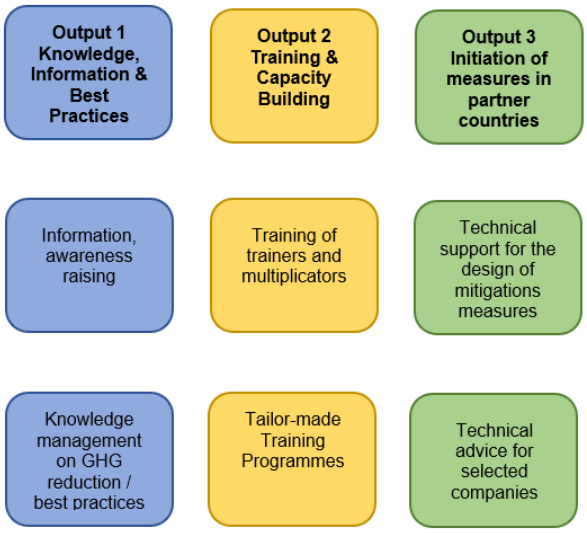
The CAPCI project (Climate Action Programme for the Chemical Industry) is mainly focused on information, capacity building and knowledge sharing for the mitigation of GHG in the chemical industry in developing countries and emerging economies. At the same time, these measures will be planned and executed with an action-oriented perspective. Networking as well as the exchange of practical experiences and best practices play a decisive role.

Project Outcome:

The capacities of key actors from the private and public sector in selected developing countries and emerging economies for designing and implementing effective measures for climate protection in the chemical sector are enhanced.

Project Activities:

The work packages and activities of CAPCI are assigned to three outputs:



The conceptual approach involves information, webinars, dialogues, workshops and targeted trainings for know-how transfer and dissemination of good practices in the chemical industry. In addition, targeted advice will be provided in order to support the design of climate protection measures in the chemical industry.

Partners and Stakeholders

CAPCI is cooperating with partners like the ministries responsible for climate protection and chemical policies or the associations of the chemical industry in selected developing countries and emerging economies. In addition to the above-mentioned partnership with the ICCA und the UNFCCC Secretariat's capacity building network, the project draws from the experiences of relevant international projects and initiatives.

CAPCI is closely linked with the ISC_3 - International Sustainable Chemistry Collaborative Center (see: www.isc3.org). The mission of the ISC_3 is to shape the transformation of the chemical sector towards sustainable chemistry, thereby contributing to the Sustainable Development Goals (SDG's) and to a circular economy. Tackling climate change is a crucial area for a sustainable chemistry; hence CAPCI directly contributes to the ISC_3 mission.

Replicable best practices and know-how will be disseminated in close cooperation with relevant international organisations and cooperation projects that are also supported in the framework of the IKI, e.g. PROKLIMA (www.giz.de/proklima), the Nitric Acid Climate Action Group NACAG (www.nitricacidaction.org) or the International PtX Hub (https://ptx-hub.org)

Project measures like information, dialogue workshops and trainings are designed in close cooperation and according to the needs of partners in selected partner countries – as a prerequisite for enhancing capacities and anchoring know-how in a sustainable manner.

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Literature sources:

[1] Industry, IPCC Report, Working Group 3-Chapter 10
https://www.ipcc.ch/site/assets/uploads/2018/02/ipcc_wg3_ar5_chapter10.pdf
Die Große Transformation, 2018, Prof. Dr. Schneidewind
https://www.zukunftskunst.eu/2018/09/16/zur-bedeutung-industrieller-zukunftskunst-f%C3%BCr-die-gro%C3%9Fe-transformation/
Chemical Sector SDG-Roadmap – World Business Council for sustainable Development – ICCA, 2018
http://docs.wbcsd.org/2018/04/SDG_roadmap%20Guidelines.pdf

[2] https://icca-chem.org/

[3] https://unfccc.int/pccb-network

On behalf of:

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