

# Climate Action Programme for the Chemical Industry (CAPCI)



## Background

The triple planetary crisis of climate change, pollution and biodiversity loss represents the most pressing challenge of our time. In terms of **climate change**, if additional efforts are not taken to reduce greenhouse gas emissions, global warming is predicted to exceed 2°C by the end of the 21<sup>st</sup> century. To avoid this scenario, long-term commitments and ambitious action is required by practically all sectors of the economy.

In addition to constituting a fundamental cornerstone of modern life, the chemical industry is global and national economies – with over 90% of manufacturing dependent on chemical inputs. According to the Sixth Assessment Report by the Intergovernmental Panel on Climate Change (IPCC 2022), the chemical industry is responsible for 7.4% of global greenhouse gas (GHG) emissions and 10% of the globe's final energy demand. At the same time, the chemical industry is a source of climate-friendly solutions. It provides innovation and materials that are crucial for developing future-oriented low-carbon technologies, including in the areas of energy and mobility systems.

Effectively addressing the interlinkages within the triple planetary crisis at the global, regional and national levels calls on greater commitment and ambition from diverse stakeholders. To support this aim, CAPCI works with its partner countries in integrating national climate and chemical policies to enhance these interlinkages through action-oriented capacity-building.



- CAPCI provides information, knowledge, training and advice for tapping the significant potential the chemical industry in mitigating climate change.
- CAPCI is an initiative funded by the German Government's International Climate Initiative (IKI) and is implemented by Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ).
- Connected with the ISC<sub>3</sub>, CAPCI works in close cooperation with global partners like the International Council of Chemical Associations (ICCA) and the PCCB-Network.
- Seeking to promote climate change mitigation efforts, CAPCI works to strengthen capacities among key stake-holders in the chemical industries of Argentina, Ghana, Peru, Thailand and Vietnam and enable them to apply climate actions across chemical production and the associated value chains.



## KEY ELEMENTS OF THE CAPCI APPROACH

- 📖 Information and awareness creation via webinars, ancillary events, a know-ledge base, publications, factsheets and stakeholder dialogues.
- 📖 Action-oriented capacity-building via country-specific trainings, the sharing of technical expertise and knowledge transfers.



## Results and lessons learned

### Publication

A recent report from CAPCI and its partners presents key learning experiences along with an overview of the links between chemistry and climate change. This publication seeks to inform and inspire readers regarding the significant potential held by the chemical industry for implementing greenhouse gas mitigation measures and contributing to tackling climate change.



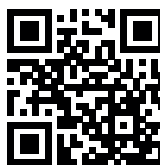
### Knowledge base of best practices

CAPCI has compiled a knowledge base of best practices covering efforts to reduce greenhouse gas emissions in the production and use of chemicals. This resource provides stakeholders from public institutions, the private sector and academia with information and guidance for capacity-building on climate protection in the chemical sector, particularly targeted to those in developing countries and emerging economies.



## Training & capacity building

CAPCI offers a Training of Trainers and self-paced learning programme about sustainable chemistry and climate change. This 12-hour certificate course covers the fundamentals of how to design and implement effective measures aimed at mitigating climate change in the production and use of chemicals.



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