

KEY RESULTS OF THE PLENARY TABLE

## “DRIVING INNOVATION: RENEWABLES AND SUSTAINABLE CHEMISTRY”

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The world is facing an urgent need to transition towards sustainable energy sources to combat climate change. Energy-intensive industries like the chemical industry are significant consumers of energy and will require vast amounts of sustainable energy in the future. Despite a boom in renewable energy and decreasing costs, significant challenges remain in effectively integrating these resources and scaling up sustainable practices within these industries.

Key obstacles include the mismatch between energy availability and demand, the complexity of transforming the chemical industry towards sustainability, the enormous financial investments required, and the need for coordinated global efforts. Innovations in technology are available, but their implementation is hindered by economic, regulatory, and workforce challenges.

### THE EXPERT PANEL ARTICULATES THE FOLLOWING CALLS TO ACTION:

#### Increase investment in renewable technologies and infrastructure.

**1 —** Mobilise funding from governments, financial institutions, and the private sector to scale up renewable solutions and develop the necessary infrastructure.

#### Foster global collaboration and harmonise policies.

**2 —** Establish international cooperation with uniform regulations and standards to facilitate the global adoption of renewable solutions.

#### Support workforce development and education.

**3 —** Develop education and training programmes to equip the workforce with the skills needed for careers in renewable energy and sustainable chemistry industries.

#### Accelerate the scaling up of sustainable technologies.

**4 —** Prioritise scalable and economically viable innovations to accelerate the large-scale adoption of sustainable technologies.

#### Provide incentives and strategic planning for industry transition.

**5 —** Create incentives to encourage industry adoption of sustainable products and develop strategic actions backed by research partnerships.

*This event is supported by Helmholtz-Zentrum Berlin and assembled in the framework of the Falling Walls Science Summit 2024 in Berlin. The Falling Walls Science Summit is a leading international, interdisciplinary, and intersectoral forum for scientific breakthroughs. It commemorates the fall of the Berlin Wall and aims to promote dialogue between science and society.*






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