

“Building a Sustainable Energy Future – An Egyptian-German Cooperation”

A Digital Public Lecture in the framework of COSIMENA



Realization	Digital Format
Date	Monday, July 4th, 2022, from 5:00 p.m. until 7.00 p.m. (Cairo Local Time)
Guests	Researchers and Scientists working in the field of engineering (water, mechanical, chemical, electrical) as well as environmental and economic studies
Duration	2 h
General Moderation and Contact Person	Nermine Abdelaty (abdelaty@daadcairo.org)
Organizer	DAAD Regional Office Cairo German Academic Exchange Service 11 El Saleh Ayoub St. Zamalek, Cairo, Egypt URL: https://www.daad.eg



Concept Note

The University of Cologne (UoC) is a renowned German university and is one of the oldest and largest universities in Europe. Due to its outstanding scientific achievements and the high quality and diversity of its degree programmes, it enjoys an excellent international reputation.

The important key factors of the work of the University of Cologne are internationalization and SDG strategies at the university. And one of the best practice projects of this strategy is the BaSEF-project or “Building a Sustainable Energy Future – An Egyptian-German Cooperation” in cooperation with the Institute of Energy Economics at the University of Cologne (EWI).

The Institute of Energy Economics at the University of Cologne (EWI) is a knowledge factory in Germany, dedicated to creating new knowledge on increasingly complex energy markets. During the event, EWI researchers will give insights into their current work and provide an overview of the current debate regarding the decarbonization of the energy landscape in Germany. Particular focus will hereby be put on the ramping up of the hydrogen economy.

Over the last years, various countries worldwide have released their hydrogen strategy or roadmap. These strategies significantly differ regarding the focus on specific sectors for using hydrogen, the focus on production methods (green or blue hydrogen), and the countries' role in a future hydrogen economy as exporters or importers. The German hydrogen business case and the country's expected demand for renewable hydrogen will cause Germany to import significant volumes of hydrogen and hydrogen-based energy commodities in the future. However, until today, the utilization of renewable hydrogen is not competitive with fossil alternatives. Hydrogen support measures are necessary to decrease the costs of hydrogen technologies and close the cost gap between hydrogen and fossil products. Besides supporting R&D and establishing a regulatory framework, incentives are necessary to promote the production and the application of renewable hydrogen. Policy instruments, like the “double-action model” (H2 Global), can support the development of global hydrogen supply chains within Germany. The opportunities of a renewable hydrogen bridge from Egypt to Germany will be elaborated, discussing political and business cooperation.

The event is organized within the framework of the DAAD Regional Office Cairo project “Clusters of Scientific Innovation in the Middle East and North Africa” (COSIMENA), which aims to strengthen and initiate scientific cooperation and to make networks of researchers and universities between Germany and the MENA region visible. As a result, existing cooperation is made visible and potential synergies are initiated.



[Event Programme: To join click here](#)

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5.00 – 5.15 p.m.	Greeting Words Fatma Soliman Deputy Director of the DAAD Regional Office Cairo Philippe Maupai Head of Science and Protocol, Embassy of the Federal Republic of Germany in Cairo
	“Introduction to the Internationalization and SDG strategies at the University of Cologne and the DAAD funded project “BaSEF” as Best Practice Example” Dr Thilo Zimmermann University of Cologne
5.15 – 6.15 p.m.	“The Institute of Energy Economics at the University of Cologne: Introduction to Current Research in the Energy Field with a Special Focus on the Hydrogen Economy” Dr Johanna Bocklet M. Sc Patricia Wild M. Sc. Markos Farag Institute of Energy Economics at the University of Cologne
6.15 – 6.45 p.m.	Q & A Session
	End of Event

Bio of the Speakers



SDG-Manager responsible for projects to support the achievement of the UN Sustainable Development Goals. Thilo studied economics at the University of Cologne and holds a PhD in International Political Economy from the Scuola Superiore Sant'Anna in Pisa, Italy. He went to Harvard University and Ecole Normale Supérieure in Paris for research stays. Before, he worked at the German Embassy in Rome, Italy, where he coordinated several projects.



Dr. Johanna Bocklet has been working as a Senior Research Consultant at EWI since January 2022. Her tasks include the acquisition, management, and implementation of projects for clients from the public sector and industry. In particular, she deals with the economic analysis of CO₂ prices and the decarbonization of the power and building sector. In 2021, Johanna Bocklet completed her PhD in Economics on the European emissions trading system at the University of Cologne while working as a research assistant at the Chair of Energy Economics. Prior to her time in Cologne, she completed her master's degree in Resource Economics at the University of Alaska, Fairbanks (USA) and her Bachelor's degree in Political Economy at the Ruprecht-Karls-Universität Heidelberg.



M.Sc. Patricia Wild has been a Research Associate at EWI since 2021 and a doctoral candidate at the University of Cologne. Patricia Wild gained experiences, e.g., in projects analysing the cost competitiveness of renewable hydrogen and the effects of policy instruments. Before joining EWI, she was a fellow at the Energy Asia Program of the International Institute for Asia Studies (IIAS) in Leiden (the Netherlands) and was involved in a project on the geopolitics of hydrogen at the German Institute for International and Security Affairs (SWP). She studied Political Science at the University of Amsterdam (the Netherlands), Kyoto University (Japan), and the Technical University of Munich (Germany).



Markos Farag is a doctoral researcher at the Faculty of Management, Economics, and Social Sciences at the University of Cologne, where he conducts research on the econometric analysis of energy markets. He is also a tutor for the master's course in "Seminar in Energy, Resource, and Environmental Economics" at the Chair of Energy Economics. Markos holds a B. Sc. and an M. Sc. in Economics and Statistics from Cairo University (Egypt). In 2017-2018, he studied a semester as an Erasmus student at the University of Padova (Italy), focusing mainly on macroeconomic theory and advanced econometrics.