



Workshop Green Hydrogen
15-16 March 2023, Duisburg

Accelerating the European Hydrogen Economy through cooperation between North Rhine-Westphalia and the Netherlands

The [Electrolyser Manufacturing Platform \(EMP-NL\)](#), [NRW.Energy4Climate](#), the [FME](#), and the [Dutch Ministry of Foreign Affairs](#) are joining forces to organize a two-day program on cross-border green hydrogen technology cooperation. We invite you to participate on the 15th and 16th of March 2023 in an in-depth workshop, site-visit(s) and networking opportunities with companies, knowledge institutes and public officials from the Netherlands and North Rhine-Westphalia.

This event is aimed at stakeholders active in the hydrogen value chain (production, distribution and storage, consumption, research and development, engineering).

Occasion

Europe is facing an enormous challenge when it comes to the energy transition. The use of alternative and sustainable energy carriers and the reduction of CO₂ emissions are a necessity in this respect. Green hydrogen as an energy carrier and feedstock is one of the most important pillars for this transition.

In order for Europe to really take steps in the field of green hydrogen and to become more independent from energy supply, European countries need to build up (global) import chains and large electrolyser capacities within the continent. These plans require technological leadership, further innovation and upscaling.

With a shared border and as natural economic partners, companies and knowledge institutes from the Netherlands and North Rhine-Westphalia are in a unique knowledge position to join forces in this transition. We face shared challenges, such as the substantial costs for technology, the use of scarce materials and scalability. By working together, we can make a contribution towards Europe's green hydrogen economy.

Objective

Various cross-border initiatives are advancing – however, further structured dialogue between companies, together with knowledge institutes and the public sector, will help to develop (market) opportunities.

During the workshop on the 16th of March, we will discuss relevant policy developments for a cross-border hydrogen economy. We will look into existing funding for your (cross-border) project or initiative with experts from the field. Through moderated in-depth discussions rounds, we discuss the requirements for establishing a cross-border H₂-ecosystem that matches supply and demand, which



technological developments can further advance the H₂ ramp-up in the Netherlands and North Rhine-Westphalia and how to increase profitability of H₂-projects.

In addition to the workshop, we look forward to jointly visit Thyssenkrupp Steel Europe and our joint networking dinner, both on the 15th of March.

The full program can be found below.

Target group

Are you active in the green hydrogen sector within production, distribution and storage, consumption, research and development, or engineering? Then this workshop is definitely something for you!

Registration

You can register until **the 21st of February 2023**, via e-mail to the Embassy in Berlin, bln-ea@minbuza.nl.

Please provide the following information: full name, organization, position, e-mail and phone-number. Additionally, please indicate which of the following activities you wish to participate in:

- Site visit at thyssenkrupp Duisburg (15th of March 2023, 13:30 – 17:00)
- Networking dinner in Duisburg (15th of March 2023, 18:00 – 22:00)
- Workshop in Duisburg (16th of March 2023, 09:30 – 14:30)

There are **limited places** to this event. We therefore select on a first-come, first-serve basis. We aim for a balance in participation from North Rhine-Westphalia and the Netherlands.

Additional Information

Address plant tour/project visit:

thyssenkrupp Steel Europe AG
Kaiser-Wilhelm-Strasse 100
47166 Duisburg

Address Networking Reception:

Küppersmühle Restaurant
Philosophenweg 49-51
47051 Duisburg

Address Workshop:

TECTRUM - Technologiezentrum für Duisburg
Bismarckstraße 120
47057 Duisburg

Travel and accommodation costs are at your own expense.

In case you have questions please reach out to Inga Söllner NRW.Energy4Climate, inga.soellner@energy4climate.nrw or Jelle Blekxtoon FME/EMP-NL, jelle.blekxtoon@fme.nl



Program

“Accelerating the European Hydrogen Economy through cooperation between North Rhine-Westphalia and the Netherlands”

Organized by NRW.Energy4Climate, EMP-NL and Dutch Ministry of Foreign Affairs

Moderated by the Dutch-German Chambre of Commerce

15th and 16th of March, 2023

Duisburg

Wednesday, March 15th

Time	Activity	Location
13:00 – 16:00	Plant tour at thyssenkrupp Steel Europe Europe's biggest steel location thyssenkrupp Steel is aiming towards climate-neutral steel production. The plant tour (incl. visit of production facilities) will offer the opportunity to find out what steel production is and will be like today and in the future.	thyssenkrupp Steel Europe
16:15 – 17:15	Project visit Carbon2Chem In the project a consortia of 17 partners from industry and science examines how to use smelter gases from steel production to create valuable primary products for fuels, plastics, or fertilizers and thereby permanently reduce CO2 emissions.	thyssenkrupp Steel Europe
18:00 – 21:00	Dutch-German networking reception at Küppersmühle	Restaurant Küppersmühle

Thursday, March 16th

Time	Topic	Speaker	Location
09:30 – 09:45	Opening: importance and opportunities of cross-border cooperation	Host and moderation: Aldo Lodder, Dutch Chamber of Commerce (DNHK) Opening words by Willemijn van der Toorn, Consul at the Consulate General of the Kingdom of the Netherlands in Düsseldorf	Full workshop takes place in in Tectrum , Duisburg
Part I: Hydrogen Policies and Developments in NRW and the Netherlands			
09:45 – 10:00	Hydrogen roadmap North Rhine-Westphalia (NRW)	Heinz-Uwe Lewe Ministry of Economic Affairs, Industry, Climate Action and Energy of North Rhine-Westphalia	
10:00 – 10:15	Hydrogen policy and developments in the Netherlands: opportunities and challenges and importance of cross-border cooperation	Rodrigo Pinto Scholtbach Dutch Ministry of Economic Affairs and Climate Policy	
Part II: Funding opportunities			
10:15 – 10:20	Overview of EU and bilateral funding programs	Barbro Rönsch-Hasselhorn NRW.Energy4Climate	

10:20 – 10:40	In-depth presentation of specific funding opportunities: Interreg programs	Martijn Spaargaren, Interreg Deutschland-Nederland / euregio rhein-maas-nord	
10:40 – 11:00	In-depth presentation of specific funding opportunities: Clean Hydrogen Partnership	Simon Serowy, Projekträger Jülich / Forschungszentrum Jülich	
11:00 – 11:20	Coffee break		
Part III: World Café Working Groups: Potentials/Challenges for NL-NRW cooperation			
Round 1: 11:20 – 12:00	All participants will participate in two of the three working groups. The working groups focus on the following topics:		
Round 2: 12:00 – 12:40	<p>Table 1: Hydrogen availability – matching cross-border supply and demand</p> <p><i>How to establish a cross-border H₂-ecosystem that matches supply and demand? What is the role of producers, logistic companies (transport/storage/hydrogen carriers), and customers? What are strengths of the Netherlands and of North Rhine Westphalia and what is needed to create these synergies from public and private actors?</i></p> <p>Moderation: Dr. Stefan Herrig / Inga Söllner (NRW.Energy4Climate)</p> <p>Table 2: Hydrogen technology – research, innovation and field labs</p> <p><i>What are the technological developments that can further advance the H₂ ramp-up in NL and NRW? How can science institutes and engineering companies contribute to bring technology into practice? How can we create cross-border electrolyser fieldlabs and pilot facilities to use the synergies between both regions?</i></p> <p>Moderation: Dr. Nico Schneider / Philipp Klein (NRW.Energy4Climate)</p> <p>Table 3: Upscaling and commercialization – increasing the profitability of H₂-projects</p> <p><i>How can the profitability of H₂-projects be increased? What kind of business models does the hydrogen economy require? How can cross-border cooperation foster economic efficiency? How does profitability differ per sector (production, infrastructure, consumers), what can the public sector do to support economic efficiency?</i></p> <p>Moderation: Jelle Blekxtoon (Elektrolyser Manufacturing Platform) / Topsector Energy (tbc)</p>		
12:50 – 13:10	Presentation of World-Cafe results and discussion on potential follow-ups: How can we tackle identified challenges together?		
13:10 – 13:15	Closing remarks		
13:15 – 14:30	Networking lunch		
14:30	Departure		