



18-24 November 2024

Brussels, Belgium

euhydrogenweek.eu



Programme Overview

	Mon, 18.11	Tue, 19.11	Wed, 20.11	Thur, 21.11	Fri, 22.11
AM	-	High-Level Policy Conference B2B Forum Innovation Hub Expo	High-Level Policy Conference B2B Forum Innovation Hub Expo	High-Level Policy Conference B2B Forum Innovation Hub Expo	Online sessions
PM	High-Level Policy Conference (broadcast across all stages) Expo	High-Level Policy Conference B2B Forum Innovation Hub Expo	High-Level Policy Conference B2B Forum Innovation Hub Expo	High-Level Policy Conference B2B Forum Innovation Hub Expo	Online sessions
Evening	Welcome reception for all visitors	VIP dinner (per invitation only) Booth parties	CHP JU and HER awards Booth parties		

MONDAY, 18 NOVEMBER

	High Level Policy Conference	B2B Forum
13:00	REGISTRATION & NETWORKING	
14:00	<p>Session 1: Navigating the hydrogen evolution: global and European dynamics in a complex world – Part 1</p> <p>As the world increasingly turns to hydrogen as a cornerstone of sustainable energy, understanding the global and European hydrogen dynamics becomes essential. This session will explore the evolving landscape of hydrogen production, distribution, and utilization amidst growing complexity. Attendees will gain insights into strategic collaborations, policy frameworks, and innovative technologies driving the hydrogen revolution.</p>	HLPC Broadcast
15:00	Break and Exhibition Visit	
16:00	<p>Session 2: Navigating the hydrogen evolution: global and European dynamics in a complex world – Part 2</p> <p>As the world increasingly turns to hydrogen as a cornerstone of sustainable energy, understanding the global and European hydrogen dynamics becomes essential. This session will explore the</p>	HLPC Broadcast



	evolving landscape of hydrogen production, distribution, and utilization amidst growing complexity. Attendees will gain insights into strategic collaborations, policy frameworks, and innovative technologies driving the hydrogen revolution.	
17:00	Exhibition Visit and Drinks reception: Winter Market (open to all visitors)	

TUESDAY, 19 NOVEMBER

	High Level Policy Conference	B2B Forum
09:00	REGISTRATION & NETWORKING	
10:00	<p>Session 3: Carbon pricing, an enabler of the clean transition</p> <p>With the revision of the EU's Emission Trading System (ETS), and the introduction of the Carbon Border Adjustment Mechanism (CBAM), carbon pricing is becoming a key enabler of transitioning away from emitting technologies towards clean solutions. The phasing out of free quotas for major energy intensive sectors will likely raise the EU's CO2 price in the coming decade, in turn incentivising investment into renewable hydrogen and other clean technologies. European carbon pricing leadership is aimed to be mirrored abroad through climate diplomacy and through the CBAM. This session will explore the opportunities and challenges that will come about with this increased ambition on carbon pricing.</p>	<p>Session 1: From hydrogen project development to hydrogen exports</p> <p>The global hydrogen market is steadily scaling up. In that context, hydrogen trade flows between countries are being shaped. Many countries plan on exporting hydrogen and derivatives to the EU. This panel will provide those countries with an opportunity to demonstrate their respective value offering and competitive advantage.</p>
11:00	Break and Exhibition Visit	
12:00	<p>Session 4: Implementing the Green Deal targets for sustainable demand</p> <p>This session will explore the implementation of the renewable targets set out in the Green Deal and translated into the practical measures of the Fit for 55 package. Following the publication of the Commission's guidance on target implementation, this session will provide a platform for key stakeholders impacted by these targets to discuss potential implementation methods and the possible consequences - both positive and negative - of the choices made by Member States.</p>	<p>Session 2: Developing and accessing hydrogen infrastructure under the new regulatory environment</p> <p>The new Hydrogen and Decarbonised Gas Market package defines how critical hydrogen infrastructure can be developed by industry and accessed by third parties. Each Member State now needs to define if regulated tariffs will already apply or if bilateral contracts can still be used during a transitional phase. This applies to access to underground storage sites, import facilities, ammonia cracking facilities and access to hydrogen pipelines.</p>
13:00	Break and Exhibition Visit	
14:00	<p>Session 5: Resilient clean tech: the role of electrolyzers and skilled workforce in the EU's race to net-zero</p> <p>The Net-Zero Industry Act (NZIA) provides the legal foundation to accelerate the adoption of clean technologies. Electrolyzers, essential for the production of renewable hydrogen, remain a</p>	<p>Session 3: National legal frameworks for hydrogen in Europe</p> <p>With the adoption of the legislation under the Fit for 55 and Hydrogen and Decarbonised Gas Market packages, national authorities are now tasked with transposing EU law relating to hydrogen in the national legal system. This session will address these challenges through a discussion</p>



	significant component of Europe’s manufacturing landscape and will be pivotal in all Net-Zero scenarios. Yet, the industry faces several challenges, including the threats of deindustrialisation, the potential relocation of manufacturing outside Europe and the lack of skilled workforce.	with stakeholders from across the EU on key aspects to be considered when developing national legal frameworks for hydrogen and best practices from first movers.
15:00	Break and Exhibition Visit	
16:00	<p>Session 6: Digital Product Passports (DPP): revolutionizing global trade and trust</p> <p>In a world where transparency and sustainability are becoming increasingly crucial, the concept of a Digital Product Passport (DPP) is emerging as a game-changer. This panel will explore the transformative potential of DPPs in certifying the origins of products, ensuring authenticity, and fostering trust among consumers and stakeholders.</p>	<p>Session 4: Deployment challenges of large-scale hydrogen production projects: What to look out for</p> <p>Speakers will evaluate how the various support schemes are helping to bring projects into final investment decisions. Developers that are in the mist of building their large-scale production projects will share their learnings and experience, both from a technological and regulatory perspective.</p>
17:00	Exhibition Booth Parties (open to all visitors) VIP dinner (per invitation only)	

WEDNESDAY, 20 NOVEMBER

	High Level Policy Conference	B2B Forum
09:00	REGISTRATION & NETWORKING	
10:00	<p>Session 7: After the EU Power Grid Action Plan, time for a hydrogen grid strategy?</p> <p>The implementation of the Gas & Hydrogen Package has begun, with the creation of ENNOH which will oversee planning and coordinating hydrogen infrastructure plans. This session will be an opportunity to have a franc and open discussion on the future role of ENNOH and most importantly, how it can work with other entities in order to optimize future infrastructure planning and investments.</p>	<p>Session 5: Bridging the gap: public and private investors' funding capabilities and services for hydrogen deployment</p> <p>EUR 1.2 to 2.6 trillion will have to be deployed in Europe for hydrogen development, equivalent to EUR 50 to 100 billion of yearly investments until 2050, with higher investments through the 2030s. This session will provide an opportunity for public and private investors to provide insights into non grants financial instruments for hydrogen deployment.</p>
11:00	Break and Exhibition Visit	
12:00	<p>Session 8: Hydrogen and flexibility: Quest for hydrogen storage strategy</p> <p>Europe’s power system needs flexibility to double by 2030 even under the most ambitious grid expansion scenarios. Hence, the dispatching volumes of variable renewable energy sources (VRES) will still need to be managed by other types of clean dispatchable power. This is where hydrogen comes into play. Hydrogen, through adjustable operation of electrolysers and the remarkable storage capabilities of Underground Hydrogen Storage (UHS), serves as a key facilitator of flexibility in the electricity system. It can offer short-term balancing services to the grid, medium and long-</p>	<p>Session 6: Environmental and safety challenges of the hydrogen economy</p> <p>Scaling-up the production, storage and handling of hydrogen to big volumes will require innovative materials for containment as well as technologies and protocols for leak detection and monitoring, in line with internationally agreed standards. This session will address the challenges associated with reaching the ambitious REPowerEU objectives.</p>



	term energy storage solutions, and ensure clean security of supply.	
13:00	Break and Exhibition Visit	
14:00	<p>Session 9: Making targets a reality: how to ensure fast deployment of hydrogen refuelling stations</p> <p>The Alternative Fuels Infrastructure Regulation (AFIR) is the main legislative tool to deploy a network of public hydrogen refuelling stations for road transport. The 2030 target is a major opportunity for the hydrogen sector to contribute to the fast decarbonisation of the road transport industry. Panellists will discuss the state of the market, how can the transition be further supported as well as remaining bottlenecks that slow deployment down.</p>	<p>Session 7: The role of local governments in advancing hydrogen technologies</p> <p>This session will examine how regional and local government are driving the development of hydrogen technologies. For many of these communities, hydrogen has been identified not only as a solution for their energy transition but as a way to ensure sustainable and quality jobs for their citizens. In addition to sharing best practices, the session will also address the critical aspect of raising community acceptance of hydrogen technologies, including by introducing hydrogen educational and skills programmes, in cooperation with university, schools and private sector.</p>
15:00	Break and Exhibition Visit	
16:00	<p>Session 10: Hydrogen for maritime and aviation applications: how to bring hydrogen closer to the market?</p> <p>With FuelEU Maritime GHG emissions reduction targets kicking in in 2025, and maritime emissions being monitored under the ETS as of 2024, shipowners should be incentivized to turn to RFNBOs to decarbonize their fleet and meet their decarbonisation targets. However, the price gap between e-fuels for shipping and conventional fuels doesn't make the case yet for the uptake of RFNBO in this sector.</p>	<p>Session 8: Low-carbon hydrogen production pathways</p> <p>The global shift towards sustainable energy solutions is driving innovative approaches to hydrogen production. This session will explore the cutting-edge technologies and strategies behind some of the most promising production pathways. Reforming natural gas and biomethane with carbon capture, Methane splitting and waste to hydrogen are all critical pathways that will complement electrolytic base production.</p>
17:00	Clean Hydrogen Partnership and Hydrogen Europe Research Awards (open to all visitors) Exhibition Booth Parties (open to all visitors)	

THURSDAY, 21 NOVEMBER

	High Level Policy Conference	B2B Forum
09:00	REGISTRATION & NETWORKING	
10:00	<p>Session 11: The Hydrogen Bank: reflecting European market needs</p> <p>The 2023 Hydrogen Bank pilot auction marked a significant leap forward for the hydrogen economy, with seven projects securing bids at remarkably low premiums, signalling the potential for market competitiveness for many sectors like industry and mobility. As we reflect on the lessons learned from the pilot to better prepare for the second auction, it becomes evident that improvements are imperative for future success.</p>	<p>Session 9: Fuelling the future: how hydrogen contributes to the transport of tomorrow</p> <p>As EU laws are entering implementation mode, panellists discuss the role of hydrogen technologies in decarbonising all transport modes, highlighting potential synergies and debating on remaining bottlenecks. Rapid deployment of infrastructure is also the necessary backbone for the development of local ecosystems, where hydrogen is used in a broad range of applications that, together, create economies of scale and further help the development of a hydrogen economy where fuel cells, combustion engines</p>



		and other hydrogen-based solutions are widely used to speed up the transition towards a decarbonized society.
11:00	Break and Exhibition Visit	
12:00	<p>Session 12: From hydrogen valleys to hydrogen economies</p> <p>In 2024, there are more than 60 Hydrogen Valley across Europe, with more expected in years to come. This session will aim to take stock of good practices in developing Hydrogen Valleys as well as barriers they face, including gaps in the current policy and regulatory frameworks. The topic of ensuring public funding support and attracting private investment into these projects will also be addressed.</p>	<p>Session 10: E-fuels market uptake and production challenges</p> <p>The European Commission expects that by 2050, 40% of future produced hydrogen will be dedicated to e-fuels for the mobility sector, with the aviation and maritime sectors driving the growth. The ReFuelEU Aviation Regulation sets a 1.2% synthetic fuels target in the European Union airports by 2030. This will require a significant supply of e-kerosene to main airports. The maritime sector is also looking into different e-fuel solutions to meet their decarbonisation obligations. Speakers will talk about the challenges faced by producers to supply these fuels and offtakes will explain how they integrate the use of these sustainable and innovative e-fuels in their decarbonisation strategies.</p>
13:00	Break and Exhibition Visit	
14:00	<p>Session 13: COP29: Hydrogen pledge and beyond</p> <p>As COP29 concludes in Azerbaijan, this panel discussion will delve into the most relevant hydrogen-related outcomes of the conference, examining their implications for global climate and energy strategies. The discussion will highlight key takeaways from COP29 with a focus on the advanced role of hydrogen in the global climate agenda, the acknowledgement of its decarbonisation potential, namely in hard to abate sectors, as well as its role in the implementation of the COP28 pledge, aimed to tripling the renewables capacity through energy system integration.</p>	HLPC Broadcast
16:00	OFFICIAL END OF THE EUROPEAN HYDROGEN WEEK	