

Programme Summit

A festival of energy knowledge and new thinking across three stages in contrasting formats.

Programme subject to changes.



29 Nov - 1 Dec 2022
Frankfurt, Germany

	29-Nov		30-Nov		1-Dec
	AM	PM	AM	PM	AM
EVOLVE STAGE On this Stage, CEOs, policymakers and influencers unravel key conundrums through panel discussions aimed at accelerating the energy transition and driving change and innovation.	Opening Keynote 10h00 - 11h30 <i>Open for all</i> Panel: How to bolster Europe's energy security and independence	What's next with Digitalisation? 13h30 - 15h00	Industrial clusters: The future of sector integration? 9h30 - 11h00	Nurturing talent and a workforce fit for the Transition 14h00 - 15h00	Countdown to 2030 10h00 - 12h00 Special hands-on session to work on designing the next 10 years
		Europe's Energy - What is the right mix? Energy System scenarios & models for success 15h30 - 17h00	Grid innovation 11h15 - 12h15	Data Access & Sharing 15h15 - 16h15	
			Gas Infrastructure, What is in the Pipeline? 12h30 - 13h30	Energy Leaders' Perspectives on the 4Ds 16h30 - 17h30	
INSPIRE STAGE	<i>The Inspire Stage is a platform for original thinkers, orators and charismatic energy communicators offering short bursts of inspiration, ideas and imagination. Series of 15 minute "stand-up" presentations.</i>				
CONNECT STUDIO The hard questions will be asked and answered in the Studio with one-on-one interviews and journalist-led roundtable discussions.	Interviews	Interviews	Round Tables: Eastern Europe's role in the Energy Transition Sustainable Energy Islands The Decommissioning Gap		

Programme Hub Sessions

Join inspiring leaders and experienced professionals as they bring top-class presentations and panels right onto the exhibition floor. Surrounded by leading solution providers you can enjoy the perfect mix of knowledge & technology.

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DIGITALISATION HUB 1 Hall 11.1			DIGITOPIA 3.0, co-hosted by Eurelectric. Part 1: Managing cyber risk in the electric power sector	Grid Edge Technologies: Utilities at work	Smart Grids Basque Country digitalised value chain in focus	Drones, robotics & AI
			<p>The power network is the most critical and attacked pieces of infrastructure. Following Russia's military aggression and cyberwarfare on Ukraine, European businesses have acknowledged the need to strengthen cyber-defence capacities. This panel debate will address the challenges for the power sector to tackle the growing sources & nature of cyber threats, and how effective policies enable reducing vulnerabilities.</p>		<p>Iberdrola's priorities for investment in digitalising the distribution network in the coming years in the framework of Next Gen EU programme.</p>	
			DIGITOPIA 3.0, co-hosted by Eurelectric. Part 2: Scaling digital solutions in the power sector	Simulation, Digital Twin and Climate planning Panel: Role of Utilities as platforms and Grid 'orchestrators'.	Breaking down barriers for a strong digitalised value chain	Deep dive into automation, virtual reality and artificial intelligence increasing accuracy and efficiency in a digital Energy world.
			<p>If scaled across industries, digital technologies could deliver up to 20% of the 2050 reduction needed to hit the IEA's net-zero trajectories. European programmes provide many funding opportunities and support mechanisms, yet the next step is to go "from first sale to full scale". This panel debate will address the policy uptake, market outreach, and societal deep dive necessary to the scale up, scale down and scale deep of digital solutions across the power sector.</p>		<p>Digital upscaling: How blockchain can be utilised as a platform to effectively document green renewable generation transactions all the way from generation to trading.</p>	

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DIGITALISATION HUB 2 Hall 12.1			Strategic data exchange with the demand side. Part 1: Latest developments in technical solutions The Clean Energy Package requires consumers to be at the heart of the EU energy market. This requirement demands strategic interaction between all energy service providers and prosumers and means interoperability of all related devices, components and systems. The first part will focus on new developments in technology to create interoperable solutions.	Data Aggregation & Analytics	Cybersecurity for the Electrical Network Given the physical characteristics of electrical energy and the high speed of electrical processes, controlling the operation of such a facility is a complex task from both an organisational and technical point of view.	Green Data Centers Assessing the energy-efficiency, climate-neutrality and overall sustainability of data centres is crucial today. Data centres need to become more energy efficient, reuse waste energy such as heat, and use more renewable energy sources, with a view to becoming carbon-neutral by 2030.
			Strategic data exchange with the demand side. Part 2: Practical experiences, lessons learned, new approaches The second part will cover the new developments and the practical approaches taken by utilities in their first or second roll-out of smart meters and related tools for energy management. What are the barriers that end-users were confronted with, what are the solutions that were found and implemented, especially in multi-utility environment or specifically water distribution.	VPPs and leveraging excess capacity, how to marry Energy and Data? Panel: Cybersecurity	The future of Cybersecurity in Italy To be announced.	
			Energy Communities - How to overcome financing and regulatory barriers? This session presents energy community initiatives that have been successfully implemented. It will identify the barriers that persist and how they could be overcome so that energy communities' role in the market at a time of rising energy costs can be fully realised.	Energy Communities - Enabling energy efficiency In this session, we will zoom in on technologies and digital solutions that enable efficient energy communities, such as RES matching, traceability, blockchain, P2P trading solutions.	Flexibility Markets - Monetising flexibility Well functioning flexibility markets and capacity mechanisms are key to control wholesale energy prices. Local flexibility markets are developing slowly. This session will discuss how to accelerate decentralised flexibility markets and how trading decentralised flex is developing.	How to organise system efficiency By allowing consumers to flexibly adjust their consumption and generation, they would help integrate more renewable energy in the system and avoid unnecessary investments in grid reinforcements and back-up generation. How to organise this is the focus of this session.
DEMOCRATISATION HUB 3 Hall 12.1			Investing in Decentralisation Investment in the infrastructure like EV charging infrastructure is needed to achieve a decentralised system. Panel: What is the right cost for Decentralisation?	Decentralised load balancing & Stabilising the Decentralised Grid Optimising decentralised load balancing through the use of locally available gas resources, microgrids, balancing technologies and grid computing. Panel: unlocking the LV market	EV for the Grid EV charging and its applications. The challenges and opportunities for utilities.	Regionalisation Looking into the regional approach in various parts of Europe.
	DECENTRALISATION HUB 4 Hall 12					

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DECARBONISATION HUB 5 Hall 12			Renewable Energy - can we go fast enough? Exploring how different market participants are accelerating the roll out of renewable projects, the opportunities or constraints to be overcome and how this can contribute to reducing reliance on fossil fuels and energy imports.	How to deliver a green hydrogen strategy Realistic appraisal of how clean hydrogen targets can be met, how to build capacity, develop markets and achieve favourable policy & regulation.	Sector Coupling in action Panel: How to stimulate cross-sector collaboration within the energy system Looking at industrial clusters and other exemplars that are delivering sector integration and asking what's needed to boost investment & accelerate this further.	Flexibility from gas peakers and turbines Looking at how gas peakers play a vital balancing role and what is the future direction of both engines and turbines as the energy transition progresses.
			Integration of renewable energy Avoiding curtailment of RES, power shifting, grid resilience.	Green Hydrogen: Technology, projects & solutions Highlighting the best examples of projects and technologies that are bringing hydrogen into the mainstream.	Decarbonising Commerce & Industry How is the C & I sector tackling decarbonisation and what are the solution for the "hard to abate" industries. Including case studies, business models, technical solutions, green PPAs, cogeneration.	Gas fired generation technology - delivering today: ready for tomorrow Examples of gas plant and equipment meeting market needs and preparing for a net zero future.
			Nuclear power to the rescue? Policy Framework, SMRs, Life extensions, Commercial fusion (Foratom, Rolls Royce).	Re-purposing plant - challenges & opportunities What are the best examples of re-using existing power plants to reduce carbon footprint? How radical should the transformation be - hybrid, storage, other use? What are the obstacles?	Scaling-up Energy Storage Where are we with the scaleable storage solutions needed to avoid increasing RES curtailment? Is policy and regulation holding storage back? Evaluating the market, cost and materials constraints.	Operational Flexibility Existing plant operation and optimisation - dispatchability & ancillary services.
			The potential of alternative fuels Facilitating new sources of production and import of green fuels, developing infrastructure to exploit bio-methane's potential, ammonia and waste to energy.	Carbon Capture use and storage Carbon capture is vital to achieving climate goal. This session looks at the value of CCU and examples of CCS in action.	Long-duration energy storage Season fluctuations and unusual weather patterns create a need for energy supply shifting. Long duration storage can meet that power shift need, provide grid stability, plus support decarbonisation in industrial and power generation settings.	Topic to be confirmed
DECARBONISATION HUB 6 Hall 12						

Programme **Initiate Hub**



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Innovators & Disruptors Hall 11.1		Innovation Nation - Germany As part of Initate's ongoing digital Innovation Nation Series, we'll stage a live session, where a particular aspect of Germany's highly-successful energy innovation ecosystem will be explored with key stakeholders.	Growing influence of ESG on the innovation ecosystem Whether or not you believe 'ESG' is the acronym of the moment, it's already having a profound impact on how innovation operates. This session explores how ESG is becoming a "must-have" and what you need to think about to become compliant.	Four Ds Pitching Session Divided up into Enlit Europe 2022 key themes - Decarbonisation, Digitalisation, Decentralisation and Democratisation - this special session provides selected start-ups and scale-ups with the opportunity to pitch their solution under one of the four theme to a jury of innovation experts.	The dos and don'ts of scaling and internationalisation In this instructive session, a panel of experts in both scaling businesses and expanding into international markets share both their wisdom and guidance, along with some great examples of success.	
		How do we encourage more VCs to invest in deeptech start-ups? New ventures offering digital solutions have long been the "darlings" of VCs as they require a lower level of investment and offer a quicker ROI. However, hard tech is of fundamental importance, so we'll discuss how to make hardtech or deeptech a more attractive proposition for VCs.	Early-stage start-ups: Are corporates missing a trick? In general, corporates tend to be drawn to start-ups that have a proved solution on the market and are generating revenue. However, could they be missing out on opportunities? We discuss how taking a new approach could reap enormous benefits, and showcase some success stories.		Topic to be confirmed	
		EIT InnoEnergy Career Impact Challenges Kick-off The opening session for this year's EIT InnoEnergy CIC, with each Company Sponsor introducing their challenge to the EIT InnoEnergy student groups.	Workshop #1 - TBC One of two workshops co-created with a partner. Focus to be agreed with partner.		Challenges - TBC Focus of Challenge to be finalised.	EIT InnoEnergy CIC Awards Presentations of each EIT InnoEnergy student group's challenge solution, including the announcement of each winning group.
					Workshop #2 - TBC Second of two workshops co-created with a partner. Focus to be agreed with partner.	

Programme **EU Projects Hub**

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EU Projects BRIDGE Initiative Hall 11.1		Regulations Working Group	Business Models Working Group	Data Management Working Group	Customer Engagement Working Group
EU Projects RES and Storage Hall 11.1		DG CONNECT / DG INNOVATION	Wind Projects	Storage Projects	Solar Projects

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