

ADEME – NEDO - Brittany Region

Friday 4th December 2020



Speakers

Keynote speeches



Mr. Arnaud LEROY – CEO, **ADEME**

Arnaud Leroy is a graduate in Maritime Law, International Law of the Sea and Protection of the Marine Environment. He began his career in the European Parliament as a parliamentary assistant and then, in 2001, he was appointed Secretary General of the French Green delegation. In 2004, he was appointed to the European Maritime Safety Agency (EMSA) where he was in charge of the protection of the marine environment and issues related to climate change. In 2005, he joined the Socialist Party and the Overseas French Federation. Elected Member of Parliament (MP) of the fifth constituency of French Living Abroad in 2012, he served for 5 years in the Commission on Sustainable Development and Spatial Planning and in the European Affairs Committee of the National Assembly in which he followed, in particular, the texts related to energy and environmental transition. He is the author and rapporteur of a bill called the "Leroy Law" on the blue economy, adopted in 2016, which includes measures to simplify and facilitate the revival and development of the maritime economy. He also chaired the study group on climate change in the National Assembly and co-chaired the Association Bilan Carbone which offers solutions to organisations regarding the accounting and reduction of GHG emissions. He is also a member of the Executive Office of "République en Marche", in charge of international matters. Arnaud Leroy was appointed Chairman of the Board of Administration of ADEME (French Agency for Ecological Transition) by decree on 14 March 2018.

9:30 – 9:45 French Roadmap for Clean Hydrogen, Mr. Lionel PREVORS,
Hydrogen Project Manager, DGEC/DG MTE -
lionel.prevors@developpement-durable.gouv.fr

H2 project Manager, Lionel PREVORS is in charge, at the DGEC, of coordinating activities for the development of the national strategy for decarbonized hydrogen.
I have worked on digital technologies and, before that, on activities related to technological risks.



9:45 – 10:00 Mr. Eij OHIRA – Director General, NEDO - info@nedoeurope.org



Eiji Ohira is the Director General of the New Energy and Industrial Technology Development Organization (NEDO)'s Fuel Cell and Hydrogen Group within the Advanced Battery and Hydrogen Technology Department. In this capacity, he is responsible the overall strategy, execution and coordination of NEDO's research, development and demonstration project on fuel cell and hydrogen. He has also coordinated fuel cell and hydrogen activities with international stakeholders, through International Energy Agency's Technology Collaboration Program (IEA TCP: Advanced Fuel Cell & Hydrogen), and International Partnership for Hydrogen and Fuel Cells in the Economy (IPHE).

Roundtable 1: Renewable hydrogen production and applications

10 :00 – 10 :10

Wind energy Hydrogen development, Mr. Mathieu GUESNE, President & Founder, **LHYFE** - matthieu@lhyfe.com

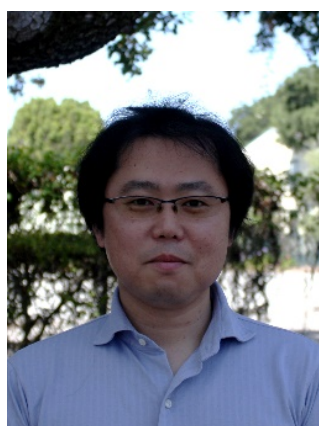
Mathieu GUESNE is the founder and the director of Lhyfe, producer and supplier of clean hydrogen. Lhyfe comes from a finding: that where Mankind put itself at the center of the world, the Planet was only considered as a resource. Mathieu does believe that we can cover our energy needs through joining forces with Nature and not through controlling it. He does believe in the shift from a “predator” standing to a more collaborating one.

Before founding Lhyfe in 2017, Mathieu GUESNE was the head of CEA research center dedicated to marine energies, in Nantes, FRANCE (CEA is a French public research organization which was nominated last year by Thomson-Reuters “the world most innovative public research center”, also accountable for 40 % of the French patents on hydrogen technology). Mathieu drove a €45 million investment plan for which he secured the funding. On top of this investment plan, Mathieu managed the contracting team that has signed €34 million of R&D partnerships.



10 :10 – 10 :20

ASAHI KASEI's business vision on a green hydrogen society, Mr. Hiroshi KAKIHIRA, Senior Manager, Environment and Energy Group, R&D center, **Asahi Kasei Europe GmbH** - info@nedoeurope.org



KAKIHIRA Hiroshi is a senior manager for new business development in environment and energy fields under the R&D enter at Asahi Kasei Europe GmbH. He has a master of material science from JAIST; Japan Advanced Institute of Science and Technology. In 2008, he joined Asahi Kasei Corporation and researched optical materials with micro & nano in-printing technology. For four years, he worked at the corporate venture capital office of Asahi Kasei in San Francisco bay area and focused on investment into start-ups in a cleantech filed, especially technology regions of biochemicals, CO2 capturing and hydrogen (2012-2016). In 2017, then he moved to Dusseldorf office at Asahi Kasei Europe GmbH in Germany to start a new business development for the alkaline water electrolyzer, which is developing by the R&D team at Asahi Kasei Corporation in Japan. He is also leading projects in Germany to provide water electrolyzer systems.

10 :20 – 10 :30

Emilhy Project: production of green hydrogen, Mr. Yannick BONIN, Hydrogen Program Manager, **Storengy** - Yannick.bonin@storengy.com

Yannick BONIN is a Hydrogen Program Manager in Business Development & Strategy Department at Storengy (ENGIE group). Born in 1983, he graduated in 2008 as an engineer from Supélec (France) and Ecole Polytechnique de Montréal (Canada). He first managed videosurveillance projects and bids in response to calls for tenders at INEO Engineering & Systems (2008-2011). Then, after accompanying the development of B2C Electricity sales Activity at the Strategy department of ENGIE Energy France (2011-2014), he created and developed Electricity sales to B2B small and medium consumers sites Activity at “Entreprises & Collectivités” BU, at ENGIE (2014-2016). Since 2016, he has created and has been developing Renewable Hydrogen Activity (hydrogen production & storage for industrial and clean mobility uses, and methanation).



10 :30 -10 :40

Current and future activity of PANASONIC for hydrogen society, Mr. Morita SHINSUKE, Smart Energy System Business Division, Fuel Cells Sales and Marketing Department Head of European Market, **Panasonic Corporation** – info@nedoeurope.org

Shinsuke Morita is Head of fuel cell global business of Smart Energy System Business Division, Panasonic Corporation. Born in 1968, he graduated from Gakusyuin University in 1992, he joined Matsushita Electric Industrial Co., Ltd. and started working on marketing division for housing appliances. From 2004 to 2010 he was in charge of Gas smart metering devices sales department. Since 2010, he has been responsible for the fuel cell global business.



10 :40 -10 :50

The ecosystem of cities and territories , Mr. Stéphane PAUL, President & Founder, **H2X-Ecosystems** - stephane.paul@h2x-ecosystems.com

My Education :

- Bachelor's degree in Applied Physics – 2000 (UBO Brest)
- Multi-disciplinary Engineer – 2003 (Cesi Paris – Graduate school of Engineering - apprenticeship at ONERA)
- Executive MBA HEC – 2018

My Professional Experience ? It is varied !

- Air Force : Pilote Officer Cadet – Cognac
- Onera (Palaiseau) : Project Manager for quantum optics measurement tools
- NAVAL GROUP (Ex DCN, Ex DCNS) where I was production manager (Lorient) for the manufacture of hulls for frigates and submarines. I was then in charge of aviation installations (aircraft carriers, etc) in Brest. I was the architect for the marine naval base in Rio, Brazil (four years as an expat.). I returned to Nantes as industrial manager for Marine Energies. And then became Deputy General Manager of Armor Méca, and founder and CEO of H2X Ecosystems



10 :50 – 11 :00 **Contributing to Decarbonization of Industries**, Mr. Fumiharu SHIMAMOTO, Chief Regional Officer, Europe Power & Energy Solutions, **Mitsubishi Heavy Industries Group** - info@nedoeurope.org

Mr. Fumiharu Shimamoto is Chief Regional Officer, Europe for Power & Energy Solutions of Mitsubishi Heavy Industries Group. In 1985 he graduated University of Tokyo and join the company. In 1990 he earned an MBA from University of Michigan, Ann Arbor. He was head of energy business development at the company's global headquarter till 2018, and is now in Europe. He is a board member of Mitsubishi Power Europe, Ltd., Mitsubishi Power Europe GmbH and Turboden S.p.A., a group company of MHI in Italy.



Roundtable 2: Mobility

11 :10- 11 :20

Last Mile Project, Mr. Gabriel DELMER, Product Developer, **Akuo Energy** - delmer@akuoenergy.com

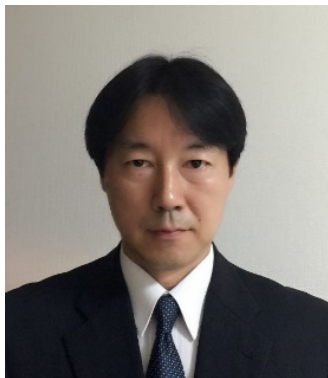
Gabriel Delmer leads the structuration and financing of the Last Mile project, an ecosystem of decentralized hydrogen production and distribution deploying 16 charging points and 300 fuel cell vehicles in the Ile-de-France region. Sponsored by Akuo, the project provides an end-to-end zero emission mobility derived from renewable electricity to private and public bodies willing to accelerate the transition of their mobility needs. Former project finance professional, Gabriel has raised or participated in raising more than 850 million euros for a number of renewable energy projects since he joined Akuo in 2014, across a wide range of technologies and geographies, from development institutions to commercial banks or infrastructure funds.

Akuo Energy is an independent power producer based in France and active in 15+ countries, with 1.4 GW in operation or construction.



11 :20 – 11 :30

TOSHIBA Hydrogen business and Fuel Cells, Mr. Masahiro OGAWA, Senior Manager, **TOSHIBA Energy Systems & Solutions** - info@nedoeurope.org



Masahiro OGAWA began to work for TOSHIBA in April 1991. He had been in charge of the consistent development of the fuel cell system from joining the company until 2019. The examples were 11MW large phosphoric acid fuel cell (PAFC) to replace thermal power, 200kW PAFC and residential FC system (ENE-FARM), etc.

In charge of business development of hydrogen business from October 2019. He has a master's degree in physics and national qualifications of Professional Engineer (Applied science / Comprehensive Technical Management).

11 :30 – 11 :40

Hydrogen solutions for navigation, Mr. Louis-Noël VIVIES, Managing Director, **Energy Observer** - lno@energy-observer.org

European Business School, City University London and Icade Madrid. From the very beginning of his professional life, Louis-Noël Vivies has been developing special projects and events. After ten years with General Motors and Barclays Bank, in charge of the sponsoring for soccer clubs, WRC championship, car racing and the French Golf open, Louis-Noël organized special events such as the Polo Master 40/40 in Indio (CA) and the TransPacific crossing by Gérard d'Aboville from Japan to Oregon.



At the arrival of Gerard in Ilwaco, he met with Olivier de Kersauson, the famous French skipper and became his partner for 20 years, designing, building and racing the first maxi multihulls (30 meters + long) around the world for the Jules Verne Trophy, won two times against Sir Peter Blake and Bruno Peyron, launching the Ocean Alchemist long range motor trimaran, winning all the speed records in the Pacific (Round Australia, Yokohama-HK, Transpac, Yokohama-San Francisco).

After creating Rivacom and SeaEvents, two communication and TV production leading companies, he created Team France with Michel Desjoyeaux and Franck Cammas to race the 35th America's Cup in Bermuda on the 50' foilers. Passionate about high modulus composites, aerodynamics, hydrodynamics, CFD, energy production and storage, new technologies and designs, he joined Energy Observer in 2017 as Development Manager, then GM and is one of the founders of EODev.

11 :40 – 11:50

TOYOTA's hydrogen activities in Europe, Mrs. Sophie GLEMET, Manager, **TOYOTA Europe** - info@nedoeurope.org



Sophie Glémet joined Toyota Motor Europe's Paris liaison office in 1992. She has spent her entire career with Toyota, providing support for the group's industrial and technological presence in France. In 1996, Sophie Glémet was appointed communications manager for Toyota Motor Europe's Paris office and helped in putting together Toyota's application for Valenciennes plant in 1997, establishing Toyota's European showroom in 1998, and setting up the European ED² design centre in Sophia-Antipolis and two logistics hubs in France in 2000. She was then responsible for external communications and media relations, and in charge of the launch the Full Hybrid technology towards French institutions and stakeholders.

In 2004, Sophie joined the Toyota France distribution subsidiary as corporate communications manager and became external relations and corporate social responsibility manager in 2010.

In 2016, Sophie Glémet joined back Toyota Motor Europe's Paris office to take charge of the branch office by developing Governmental and industrial Affairs for the group in France. One of her mission is to support the development of the group's electrification strategy, that includes the promotion of the hydrogen society towards French authorities. Sophie has a degree in Economics from Paris I Panthéon-Sorbonne University.

Closing Remarks



Mr. Philippe MASSET, Europe and International Director, **ADEME** –
Philippe.Masset@ademe.fr

Philippe Masset, who obtained his engineer degree in 1985, has managed energy efficiency for communities of the region Nord-Pas de Calais until 1992. Mid 1992, he was employed by the European Commission in Brussels (DG Energy) as an expert in charge of accompanying measures of an energy demonstration programme towards SMEs and regions (THERMIE) till 1998.

In 1998, he became responsible for European and international projects and networks at the Energy Agency of the Nord-Pas de Calais Regional Council. In 2001, he was recruited by ADEME as Head of International Programmes and Partnerships Unit, and he became Director for European and international affairs in 2020.