



Les
Entretiens Européens

2019

Rapprocher - Débattre - Fraterniser



GMF
GROUP OF EUROPEAN MUNICIPALITIES
WITH NUCLEAR FACILITIES

Programme and Presentation of the speakers



New nuclear in Europe: a response to the electric changes in our society ?

HELSINKI
NOVEMBER 12-13, 2019

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Les Entretiens Européens



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Discussing issues and options

This conference forms part of a long-term strategy. We want to clarify the contradictions posed by growth in electricity demand and reducing greenhouse gases, and anticipate, even plan, policies and strategies capable of resolving this challenge. Indeed, Europe and the world are being “electrified”. The electrification of cars, housing, agriculture, health, space, digital... is growing at a very fast pace. Companies and local authorities will have to invest and innovate. How can we articulate the climate emergency and the European economic challenges, where efficiency will become a new type of industrial policy and where the energy sector will have to produce and at the same time provide adequate services, and this in a more affordable way?

What will be the right energy mix which is both affordable and low-carbon? Short-term strategies that seek better cost-benefit ratios often run counter to CO2 zero targets in 2050: how do they fit in a long-term strategy? Decarbonised sources raise competitiveness concerns, and new nuclear energy - which is an ally for climate goals - will have to be able to spread its costs and pool them to mobilize resources in order to innovate. More diverse and flexible, it will be able to adapt to the diverse needs and demands of industry and territories. Beyond proposals for more responsible governance between Member States and the European Commission for the implementation of public policies, we will discuss the option of creating a European planning agency in consultation with users and energy producers, responsible for contributing to the creation of a coherent network system at European level, with enhanced skills and intelligent services.

These issues and options will be discussed during Les Entretiens Européens in Helsinki, organized by ASCPE with FinNuclear and GMF, Group of European Municipalities with Nuclear Facilities, the support of the European Commission, and the partnership and participation of many industrial and territorial actors from Europe.



TUESDAY 12

2:00 pm

Welcome by

Liisa Heikinheimo, Deputy Director General, Energy Department, Ministry of Economic Affairs and Employment, Finland

Opening by

- **Claude Fischer-Herzog**, Director Les Entretiens Européens
- **Roland Palmqvist**, President GMF
- **Tarmo Pipatti**, President FinNuclear

2:30 pm

Hearings

Growth in electricity demand: climate compatible?

- **Massimo Garribba**, Acting Deputy Director General responsible for the coordination of Euratom policies, Director of Nuclear Energy, Safety and ITER, DG Energy, European Commission
- **Michal Kurtyka**, Vice-Minister of Environment in Poland, President of COP 24
- **Daniela Lulache**, NEA's Head of Policy and Coordination, OECD

3:30 - 5:00 pm

1st Panel discussion

Electrical changes in industrial sectors and local and regional territories: connecting the issues of efficiency in use to those of production

Led by **Olivier Vidal**, Research Director, CNRS-IS Terre

With:

- **Yasmine Assef**, Energy and Infrastructure Director, RENAULT: *automotive innovations for sustainable mobility, contradictory to power supply?*
- **Eric Durand**, Director Technical Affairs, Secretary General of the Council of the Professions: *how to succeed the energy transition in the building?*
- **Sami Holopainen**, Manager EQUINIX Finland: *digital technologies, an intrusion into all areas of public and private life (communication, consumption, production, ...): what impact on electricity consumption?*
- **Rauli Partanen**, Co-founder of The Ecomodernist Society of Finland: *cities' heat networks in Finland, their possible replacement with SMRs*
- **Ilkka Tykkyläinen**, CEO of Pohjolan Voima PVO: *electro-intensive industries need competitive electricity*

Hearing

- **Antti Vasara**, CEO of VTT: *the different activities of the Finnish research institute for clean energy solutions and its international cooperation with nuclear energy*

5:00 - 5:30 pm

coffee-break

5:30 - 7:00 pm

2nd Panel discussion

The responses of the energy sector: neutrality or decarbonised diversity? Short-term and long-term issues: making use and production efficiency compatible

Hearing

- **Michel Berthélemy**, Nuclear Energy Analyst, OECD Nuclear Energy Agency (NEA): *the costs of the decarbonization*



Led by **Csaba Dohoczki**, Vice-president of GMF

With:

- **Bernard Dereeper**, President of Belgian Nuclear Forum: *which energy mix for Belgium?*
- **Guy Buckenham**, Head of Generation Policy, EDF Energy: *for a diversified decarbonised mix. The example of the UK*
- **Kalev Kallemet**s, Cofounder and CEO of Fermi Energia OÜ: *the deployment of SMR in Estonia, a technology for complementary electric generation to combined cycle gas and renewable energies*
- **Eric Maucort**, President, Sauvons le Climat: *exit neutrality to assume the carbon-free mix in Europe*
- **Stéphane Sarrade**, Deputy Director, NED, CEA: *renewables versus nuclear power: the right balance*
- **Tiina Tuomela**, Deputy General Director, FORTUM: *nuclear energy, the base of a carbon-free economy*

7:30 pm

Cocktail reception at the French Embassy

With:

- **Serge Tomasi**, French Ambassador
- **Erik Owino Ohaga**, County Business Manager at Kenya Power and Lighting Company Limited, Nairobi: *AFRICA, an unprecedented development*

By invitation, and subject to availability

WEDNESDAY 13

9:30 am - 11:00 am

3rd PANEL DISCUSSION

The new nuclear energy, an actor in the "induservices" network system, with diversified, flexible and sustainable technologies adapted to demands

Led by **Marjut Vähänen**, Director, Finnuclear

With:

- **Tuomo Huttunen**, Public Relations Manager, Fennovoima: *a new reactor in Pyhäjoki*
- **Lyuben Marinov**, Executive Director, Kozloduy NPP: *new production capacity for Bulgaria's development*
- **Juha Poikola**, Manager, Public Relations and Responsibility, TVO: *the MANKALA cost-price model makes major investments possible*
- **Andrey Rozhdestvin**, Director of ROSATOM WESTERN EUROPE: *SMRs and nuclear barge, flexibility and proximity that meets specific territorial demands*
- **Pekka Sahlberg**, Managing Director, Framatome Finland: *new smarter reactors*
- **Petteri Tiippa**na, Managing Director of STUK: *the nuclear safety in Finland. Towards a standardization of standards in Europe*

11:00 - 11:30 am

coffee break

11:30 am - 12:30 pm

Hearings

Do not delay the opening of radioactive waste management centres

Led by **Bernard Boullis**, Former Director of Fuel Cycle Research Programs at CEA

With :



- **Pierre-Marie Abadie**, Director General of ANDRA: *waste management needs effective nuclear skills*
- **Vesa Lakaniemi**, Mayor of the Municipality of Eurajoki: *the social appropriation of waste management by the local population*
- **Pasi Tuohimaa**, Communications Manager, Corporate Relations, TVO, Posiva Oy: *the Finnish example*

12:30 pm - 2:00 pm

Lunch

2:00 pm - 3:00 pm

Hearing

Trainings and employment to value and enhance the European nuclear sector

Led by **Jessica Johnson**, Communications Director at FORATOM

With:

- **Alexandre Grillat**, National Secretary, CFE-Energies Federation: *skilled trades for high value added technologies*
- **Juhani Hyvärinen**, Professor, Modelling in Nuclear Engineering, Lappeenranta University of Technology: *develop initial and life long learning for nuclear technology*
- **Jo Tipa**, Managing Director of NSAN, the National Academy in the UK: *nuclear Training and Skills: a PanEuropean Opening*
- **Aapo Tommila**, Student, Lappeenranta University of Technology: *the interest of young people in nuclear trades*

3:00 pm - 4:30 pm

4th PANEL DISCUSSION

Pooling and developing a constructive dialogue to build a new network system: European-wide coherence, planning by consultation between users, energy production sectors and institutions

Led by **Yves Desbazeille**, General Director, FORATOM

With:

- **Pierre-Yves Cordier**, Nuclear advisor at the French Embassy in London and in Finland: *what is its strategy for cooperation in Europe?*
- **Atte Harjanne**, Member of the Parliament of Finland: *building a civil multi-stakeholders agency to contributing to defining public policies*
- **Michal Kurtyka**, Vice-Minister of Environment in Poland, President of COP 24: *towards an European public agency where users and producers contribute in building and planning investments of general interest.*
- **Isabelle Leboucher**, CMO, New Nuclear Engineering & Projects Division, EDF: *the relation of the producers with the consumers and the institutions*
- **Meritxell Martell**, GMF consultant: *the contribution of local authorities to build public energy policy*
- **Zuzana Monika Petrovicová**, Head of Unit, Nuclear energy, nuclear waste and decommissioning, DG Energy, European Commission: *European concerted action to build an energy solidarity pact and help countries to decarbonise their energy mix*

4:30 pm

Conclusions

- **Claude Fischer-Herzog**, Director of ASCPE-Les Entretiens Européens
- **Zuzana Monika Petrovicová**, Head of Unit, Nuclear energy, nuclear waste and decommissioning, DG Energy, European Commission

THURSDAY 14

Visit of the Olkiluoto site. By invitation only.





SPEAKERS' BIOGRAPHIES



Pierre-Marie ABADIE was appointed as CEO of Andra, France, in October 2014. From 2008 to 2014, he served as Director of Energy at the Directorate General for Energy and Climate of the Ministry of Ecology, Sustainable Development and Energy, and represented the Government to the governing boards of Andra, and EDF to the Board of Governors of the IEA. Previously, he was Industrial Affairs Advisor to the Minister of Defence from 2002 to 2007 and led numerous industrial restructuring, and held before several posts at the Treasury from 1994 to 1998. He was Deputy Director at the Regional Industry, Research and Environment Directorate (DRIRE) of Lorraine, responsible for inspecting environmentally regulated facilities (ICPE). He graduated from the Ecole Polytechnique and the Ecole des Mines de Paris, and is a knight of the French National Order of Merit.



Dr Yasmine ASSEF obtained her electrical engineering MS degree and her PhD degree in electrical engineering from University Paris VI, France, in 1997. Yasmine joined Alstom Grid (Formerly Alstom T&D, Areva T&D) in 1998, as Power System engineer. In 2011, Yasmine was appointed Deputy CEO in the newly funded joint venture between Alstom Grid and Bouygues, Embix, specialized in Smart grid services for Smart cities. She joined the Groupe Renault in 2016. Yasmine is Program Director New Business Energy for the Groupe Renault. She is President and Chairman of Tokai, the Advanced Battery Storage Company launched by Groupe Renault.



Michel BERTHELEMY is a Nuclear Energy Analyst at the OECD Nuclear Energy Agency (NEA) where he leads international projects on the economics of nuclear, including Gen-III costs reduction opportunities, SMR, Gen-IV and fuel cycle related issues. Prior to joining NEA in 2019, he was in charge since 2015 of nuclear energy economics studies at the French Atomic and Alternative Energies Commission (CEA). Mr Berthélemy graduated from Mines ParisTech in 2013 with a Ph.D. in energy economics.



Bernard BOULLIS is currently the Director for Nuclear Fuel Cycle Back-end Programs at CEA, Nuclear Energy Division, in France. A graduate from Ecole Centrale de Paris, he joined CEA in 1977 and he has been involved for over 35 years in the back-end field, from La Hague reprocessing plants design, to final waste management and advanced fuel cycles for future nuclear systems, with both operational and program management successive responsibilities. He is Professor at INSTN, and member of the Scientific Councils of ASN, CEA, and Andra.



Guy BUCKENHAM has forty years' experience in a wide range of roles in finance, energy markets, strategy and policy in the UK electricity industry, working for the CEGB (Central Electricity Generating Board), London Electricity and EDF Energy. In his current role, he is responsible for policy matters related to electricity generation and climate change policy.



Pierre-Yves CORDIER is Nuclear Advisor, Embassy of France in the UK and in Finland. Graduated as a chemical engineer in 1991 and went on to study for a PhD in the laboratories of the CEA (Atomic Energy Commission) in Fontenay-aux-Roses. He was then awarded a PhD in chemistry from the University of Clermont-Ferrand in 1996, and went on to work as a researcher in the CEA's Marcoule centre, specializing in spent nuclear fuel reprocessing. In 1999, he joined AREVA for the Japanese reprocessing plant project in Rokkasho-Mura. In 2005 he came back to the CEA and worked at the International Affairs division. He was appointed Nuclear Counsellor at the French Embassy in Tokyo in 2007 and in Beijing in 2011. In 2014, he was appointed manager for international cooperation at the CEA's Nuclear Energy division. Since 2018, he has been Nuclear Counsellor at the French Embassy in the UK.



Bernard DEREPPER is Chairman of the Belgian Nuclear Forum since November 2018. He also holds the position of Head of Global Business Development & Strategy of the Business Line Nuclear within Tractebel Engie. Bernard Dereeper has more than 20 years of professional experience in the nuclear sector. He began his career in 1997 with the Belgian Nuclear research Centre (Mol, Belgium), involved in research projects related to radioactive waste disposal. In 2003, he joined MDS Nordion, a Canadian radioisotope producer. He started working for Tractebel in 2010 and held various positions. Today Bernard Dereeper is the Business Development, Marketing & Sales Director of the Business Entity Belgium Nuclear and also in charge of the global nuclear business development and strategy within Tractebel.



Yves DESBAZEILLE is the Director General of FORATOM since 2017. He is French and graduated in electrical engineering from the Ecole Supérieure d'Electricité ("SUPELEC") in France in 1991 and studied on an MBA program in the early 2000s. During his successful career Yves Desbazeille has been involved in different businesses and responsibilities at EDF: nuclear engineering, hydro and thermal power projects management in France, USA as well as in Asia, where he was for 5 years. His last position as EDF representative for energy in Brussels has provided him with an in-depth knowledge of the EU institutions and Brussels' stakeholders and of the energy and climate stakes for Europe.



Csaba DOHOCZKI is head of Communications and Marketing, Paks Industrial Park, responsible for the regional development in connection with the two new nuclear units to be built in Paks. During the last 20 years he had the opportunity to extend his knowledge at field of technical matters and public relations by visiting many nuclear facilities worldwide, by participating at several technical meetings and workshops organised by the IAEA and as vice-president of GMF. In 2015 he chaired the Technical Meeting on Tools and Techniques for Effective Nuclear Communication held in Olkiluoto, Finland. This year he has started to work at Paks Industrial Park. The goal is to promote the local and national ventures, companies to have the possibility to be actively involved in the Paks 2 Project and become an active player in the regional development.



Eric DURAND, Engineer, is Director of Technical Affairs of the Fédération Française du Bâtiment (FFB, French Building Federation). It helps Builders of all sizes to defend their interests and prepare for the future of their business in areas related to technology, digital transition and ecological transition. He is also Secretary General of the FFB Council of Professions, which brings together the Presidents of National Trade and professional Unions of the FFB and defines a common professional policy. The FFB provides day-to-day defense of 50,000 member companies, 35,000 of which are artisanal-sized. They account for two thirds of the annual production of the profession, about 140 billion euros (excl. taxes) and employ two-thirds of the 1,104,000 employees in the sector.



Claude FISCHER HERZOG is director of ASCPE, an education and training company that organizes Les Entretiens Européens. Teacher training, graduate of the School of Political Science at the Sorbonne, she has been President of Confrontations Europe. Member of the scientific Council of the Bosphorus Institute, she created network "UE/Africa(s)" in 2013, and organize *Les Entretiens Eurafricains* for the renewal of the relations between EU and Africa. She created a festival "Une Semaine Eurafricaine au cinéma". She was made Chevalier of the Legion of Honor in 2010.



Massimo GARRIBBA is Acting Deputy Director-General responsible for the coordination of Euratom policies, Director of Nuclear Energy, Safety and ITER Directorate, European Commission, Directorate-General for Energy (DG ENER). Directorate D includes: legal issues, supervising the EU's contribution to the international ITER nuclear fusion project; Euratom's international relations; economic analysis of the nuclear fuel cycle; implementation of the EU Directives on nuclear safety, on the basic safety standards, and on the management of spent fuel and radioactive waste; follow up of the EU's nuclear safety stress tests; implementation of the EU's assistance programme for the decommissioning of nuclear power plants in Bulgaria, Lithuania and Slovakia; radiological emergency preparedness and response; monitoring of environmental radioactivity. From 2004 till 2013, he was Head of Unit for Euratom Coordination and International relations in the European Commission's DG ENER, Responsible for the post-Fukushima nuclear «stress tests» dossier and for the adoption of the Euratom nuclear safety directive and its subsequent implementation.



Alexandre GRILLAT is the National Secretary of CFE-CGC Energies. SUPELEC engineer, he has spent his entire career in the EDF Group, in the operational management of distribution network management and in the commercial-customer field for residential customers, then in general management at the Direction of the strategy of which he was a Director of studies. At the same time, he was an Employee Administrator of EDF from 2004 to 2014 before joining CFE-CGC, first as a national confederal secretary and then as national secretary of the CFE-CGC Energies. He is a Member of the High Committee for Transparency and Information of Nuclear Safety and the Strategic Committee of the Nuclear Sector, Responsible for managing the institutional affairs of CFE-CGC Energies and actively participates in energy policy debates, both in France and in Europe.



Atte HARJANNE is a member of Parliament of Finland and Helsinki city council. He represents the Green party and the electoral district of Helsinki. In the parliament Harjanne is a member of the commerce committee and defence committee. Before his term in the parliament Harjanne worked as a researcher studying socio-economic impacts of climate change and the use of climate information (as Researcher at the Finnish Meteorological Institute, and Associate, Deloitte, Enterprise Risk Services, working on Risk management, CSR and internal audit projects). Atte Harjanne has been an active participant in climate and energy policy debate in Finland.



Liisa HEIKINHEIMO is Head of Nuclear Section (Deputy Director General at the Energy Department), nuclear energy and waste management, at the Ministry of Economic Affairs and Employment in Finland since the beginning of 2017. Main tasks are directing the Finnish nuclear energy programme and licensing activities. During 2008 - 2016 she worked for TVO as the Head of R&D and Waste Management. Since 1985 she worked at VTT (technical research center of Finland) starting from the position of a scientist to Director for Materials for Power Engineering research area. She holds M.Sc from Aalto University, Finland and D.Sc from Technical University of Eindhoven, NL. She has actively participated and managed international co-operation especially linked to Euratom programmes and bilateral European joint programmes in the field of nuclear energy for over 20 years. In IAEA the Light Water Reactor Working Group has been a long term activity among several of the working group memberships. In OECD NEA the special attention is now in the work in the Steering Committee. In the European Council Dr Heikinheimo is the Chairman of the Atomic Questions Working Party during the autumn 2019 (FI EU presidency).



Sami HOLOPAINEN is Managing Director, Equinix Finland Oy. He was appointed as General Manager of Telecity Group, Finland in early 2015, which was acquired by Equinix in January of 2016. Prior to this, Sami was the founding partner and CEO of Tenue Oy for six years, from 2006 through to its acquisition by Telecity Group in 2012. Sami has over 20 years' experience in ISP and data center businesses. He is known as an industry leader in the market, having been instrumental in a firm that was one of the first movers in managed data center services in Finland. Sami holds a Bachelor's Degree in Business Information Systems from the Satakunta University of Applied Sciences, Finland.



Tuomo HUTTUNEN works with Fennovoima as their Public Relations Manager. He has worked as a lobbyist for nuclear power throughout his career in nuclear, starting from a pro-nuclear NGO, then continuing in Finnish Energy and in Fennovoima. His tasks include the public and political acceptance of nuclear power, as well as stakeholder relations. His education background consists of a degree in military sciences, as well as studies in economics and energy engineering



Juhani HYVÄRINEN is professor, modelling in nuclear engineering, LUT (Lappeenranta University). In 2007-2013 he was Director and Chief Nuclear Officer, responsible for the power plant technology, fuel management and waste management, Fennovoima Ltd. was new build nuclear after being Manager, responsible for nuclear power plant secondary side, auxiliary systems, electrical and automation technology and civil construction, Finnish nuclear and radiation safety authority (STUK). In 1988-2003 he was expert, nuclear reactor plant main process systems, safety systems, regulations for future plants, safety assessment of legacy plants, Finnish nuclear and radiation safety authority (STUK). He holds a MSc(Tech) from Lappeenranta University of Technology (LUT), Power plant engineering (1988), a DSc(Tech) from LUT, Nuclear engineering (1996) and a Docent from LUT, Nuclear safety (1999).



Jessica JOHNSON is the Communications Director of FORATOM, the European Atomic Forum, a position which she has held since 2017. Her role includes the development of internal & external communications strategies, drafting of press releases, publications and other communications tools. Furthermore, she works closely with the policy managers to ensure that advocacy and communications go hand in hand for effective lobbying at EU level. This includes mapping of stakeholders (in particular key influencers), messaging for broader audiences and development of relevant communication tools, as well as ensuring FORATOM and its members speak with one voice at EU and national level. She currently also handles issues relating to sustainability including, but not limited to, raw materials impacts, land use, the circular economy and the sustainable finance initiative.



Ph.D. Kalev KALLEMETS is co-founder and CEO of Fermi Energia, company established early 2019 by Estonian nuclear energy professionals and businessmen to develop Small Modular Reactor deployment in Estonia. Mr. Kallemeets earned his Ph.D. from Tallinn University of Technology studying economics of oil shale, which is in quickly becoming uneconomic as power generation fuel due to high CO2 prices in EU. Mr. Kallemeets has extensive working experience from an Estonian private energy company, Ministry of Economic Affairs and as Member of Parliament of Estonia.



Michel KURTYKA is Vice-Minister of Environment, COP24 President, a trained physicist and engineer and the author of the government programme for the development of electromobility in Poland. During his previous assignment, as the Secretary of State in the Ministry of Energy, he was in charge of technological development and introducing technical innovations in the field of energy, climate and energy policy, and international relations. His duties also included supervising the state's participation in the largest Polish energy companies in the oil and gas sector, such as Orlen, Lotos and PGNiG. He negotiated the provisions of the Winter Package, as well as legal acts regulating the electricity market in Europe.



Vesa LAKANIEMI is the Mayor of Eurajoki Municipality for 2017. He was Director of Education and Learning, in Rauma Town (2009-2017), Education Manager, Rauma Town (2006-2008), Headmaster, Comprehensive School, upper level, Rauma Town (2002-2006), Comprehensive School Lecture, Espoo, Pirkkala (1995-2001). He studied at University of Turku, Master of Education in 1994 and at the University of Jyväskylä, School of Economics, eMBA in 2013.



Isabelle LEBOUCHER is CMO, New Nuclear Engineering & Projects Division, EDF. Isabelle Leboucher has more than 25 years of experience in the nuclear field. Starting with technical background in engineering and R&D field in fuel cycle projects, she extended her experience in reactors and their related services offers worldwide for AREVA, developing its customers portfolio, notably through the Key account program. In 2013 she became marketing director of AREVA. In 2017, she joined the Engineering and New Nuclear Division of EDF group to create the marketing activities for development of the New Build Activities. She promotes EDF's offer based on the Owner-Operator model with the EPR as a reference with a full range of reactors portfolio with the same support from design, construction, operation and maintenance.



Daniela LULACHE is the Head of Policy and Co-ordination of the Nuclear Energy Agency (NEA) of the Organisation for Economic Co-operation and Development (OECD) since 1 March 2018. Before joining the NEA, Ms Lulache was Chief Executive Officer of Nuclearelectrica, the only nuclear energy producer in Romania. Prior to this, she was General Manager and President of the Board of Directors of Fondul Proprietatea (Property Fund), managing the entire activity of the Fund (Euro 4 billion investment fund). She has an extensive and rich experience in the banking and financial industry, holding strategic top management positions throughout the years in both private and state-owned organisations. She is a Romanian national and economist by profession, having graduated from the Bucharest Academy of Economic Studies.



Lyuben MARINOV has been Executive Director in Kozloduy NPP-New Build Plc since 2012. He worked as an expert in the Bulgarian Energy Ministry in Sofia (September 2008 – June 2012). He is graduated from Military Academy « GS Rakovski » in Sofia (Master's degree in Energy Security) and from University of Plodiv (Master Financial Management)



Meritxell MARTELL is the founder and director of Merience, a consultancy company focused on environmental risk governance. She is a graduate of Universitat Autònoma de Barcelona, and she received her PhD in Environmental Sciences from the University of East Anglia (Norwich, United Kingdom) in 2001. She also lectures at UPC and UPF in environmental communication Master courses. In addition, Meritxell has successfully participated and coordinated several European projects and is an expert consultant to different international organisations, such as the International Atomic Energy Agency (IAEA), the Joint Research Centre (JRC) of the European Commission or the OECD Nuclear Energy Agency. She has also been involved for the Group of European Municipalities with Nuclear Facilities (GMF) in different projects on local communities and nuclear energy over the last 15 years.



Eric MAUCORT became in 2003 vice-president and plant manager of Chinon Nuclear Power plant after several positions in operational on site activities and corporate responsibilities in EDF nuclear generation. In 2008, he was appointed Advisor for Generation and Sustainable Development and Deputy Head of the Chairman and CEO's office. From June 2014 to 2018, he has been Deputy Vice President for Sustainable Development for EDF Group. He has been member of the board of *Entreprise pour l'Environnement* (French business association), member of the directing committee of Global Compact France and representative to the World Business Council for Sustainable Development. Eric is retired and was elected in February 2019 as Chairman of *Sauvons Le Climat* (SLC), association that brings a neutral and scientific contribution to the debate on climate change, considering that a powerful popular movement is urgently needed that, far from ideological stands.



Eng. Erik Owini OHAGA is the County Business Manager at Kenya Power and Lighting Company Limited. He holds MSc in Nuclear Engineering (KINGS), Masters of Business Administration, BSc. in Electrical/Electronic Engineering and post graduate diploma in Project Planning and management. He has over 15 years vast experience in design, construction, operations, maintenance generation planning, Transmission planning, Distribution planning of power systems. He has experience in power purchase agreement negotiations and Public Private Partnership. Eng. Ohaga is a Fellow of the Institution of Engineers of Kenya and a Registered Professional Engineer with the Kenya Engineers Board of Kenya and Full Member of the Kenya Institute of Management.



Roland PALMQVIST was mayor of Kävlinge, chairman of the municipal council, chairman of KSO (the Association of Swedish Municipalities with Nuclear Facilities) and has been president of the GMF (Group of European Municipalities with Nuclear Facilities) since its creation in the year 2000.



Rauli PARTANEN is an award-winning author, analyst and communicator on climate change and environment, energy systems, society and their interrelations. He is one of the co-founders of The Ecomodernist Society of Finland, and today acts as their energy analyst. He is also a frequent speaker in international conferences both on climate and on nuclear. His book *Climate Gamble* (2015, with Janne M. Korhonen) has been translated to six languages. His latest book, *"Energian Aika"* (The Age of Energy), won the Science Book of the Year 2017 -award in Finland. He co-founded and is currently leading Think Atom, a non-profit think tank. Think Atom studies how small nuclear reactors can be used to decarbonize energy systems, especially in the heating and industrial sectors.



Zuzana Monika PETROVICOVA is Head of Unit, Nuclear energy, nuclear waste and decommissioning, DG Energy, European Commission. She has a background in economics and finance with experience in the private and public sector. Her career in the public sector includes the European Commission's economic and financial departments, as well as the department for energy. Since 2015, she has worked in the unit responsible for «Nuclear energy, nuclear waste and decommissioning» within the Directorate for «Nuclear Energy, Safety and ITER», where she is currently Head of Unit. The main activities of the unit are economic analysis of the EU's nuclear energy market, decommissioning, radioactive waste and spent fuel management, as well as general policy setting in the back-end of the life cycle of nuclear power plants.



Tarmo PIPATTI is the president of FinNuclear. Born 4 January 1954, he was Municipal lawyer 1976-88, Mayer in several cities 1988-2007, Director General in Confederation of Construction Industries. (Education: Master of Laws)



Juha POIKOLA is Manager, Public Relation TVO. He also works as an TVO's expert in energy and climate policy. Currently Juha is also responsible for Olkiluoto 3 communication. Mr Poikola has actively participated into lobbying for positive political decisions for Olkiluoto 3 and Olkiluoto 4. Finnish parliament made these decisions in years 2002 and 2010. Mr Poikola has worked at energy sector for 16 years. Before that he worked for forest industry. Education: M.Sc. Forestry, Helsinki University 1987 – MBA, Helsinki School of Economics (currently Aalto University) 1994.



Andrey ROZHDESTVIN is the Director of Rosatom Western Europe. Before his appointment to Rosatom Western Europe, he served as the Vice President of TVEL Fuel Company of Rosatom in charge of business development and new projects. Andrey Rozhdestvin is a graduate of Bauman Moscow State Technical University.



Pekka SAHLBERG is Managing Director in Framatome Finland Oy. Military rank first lieutenant (infantry intelligence officer) He is graduated from Lappeeranta University of Technology (1993 major: heat transfer and fluid dynamics/ turbomachinery and 1990, major: power plant technology/ thermal engineering). He was a triathlon athlete.



Stéphane SARRADE is Deputy Director, Management and Development of Research units at CEA. Since 2016, he is Deputy Director of Innovation and Nuclear Support (DISN) at Nuclear Energy Division of CEA. From 2009 to 2016, he was Head of Department of Physical Chemistry (DPC – 250 scientists) to the Nuclear Energy Direction in Saclay: composed of three services research studying behavior of radionuclides, analytical chemistry development, surface treatment and corrosion behavior of materials in their environment.



Petteri TIIPANA, M.Sc (Eng.) has served as Director General of the Radiation and Nuclear Safety Authority of Finland (STUK) since 2013. Prior to that, he worked as the Director of Radiation and Nuclear Safety Authority and Head of the Nuclear Power Plant Supervision Department since 2009 and previously in various positions of supervisor and expert at STUK.



Jo TIPA, BSc HonFNucl, is the Managing Director of NSAN, an organisation known as the go-to-place for skills for nuclear in the UK. Jo has been involved as a member of the NSAN team since its inception 13 years ago, starting as the Business Development Manager and progressed to Operations Director after a year. Two years ago Jo was promoted Managing Director. NSAN provides support to organisations and individuals who want the right skills to prosper and grow in the nuclear industry. NSAN provides access to an exclusive package of skills expertise and collaboratively developed training products, created and delivered through its powerful employer and training provider network.



Ilkka TYKKYLÄINEN has been appointed as the President and CEO of Pohjolan Voima Oyj. Tykkyläinen will take over this position from Lauri Virkkunen, who will retire as planned. Tykkyläinen will start work as the President and CEO on 15 August 2018. Tykkyläinen will transfer to Pohjolan Voima from Efora Oy, a company specialising in industrial maintenance and engineering services. Tykkyläinen has been the CEO of Efora since 2012.



Serge TOMASI is the French Ambassador to Finland. Prior to this, he served as Ambassador, Permanent Representative of France to the United Nations agencies (FAO, IFAD and WFP) based in Roma. From 2011 to 2014, Serge was the OECD Deputy Director for development cooperation. At the French Ministry of Foreign and European Affairs, he was the Director for Global Economy and Development (2009-2011). At the Ministry of Finance, in the Treasury Directorate, he worked as Financial adviser for Africa (2006-2011). Serge Tomasi has also worked in Senegal (Counsellor for Cooperation and Cultural Affairs) and in New York (Financial Counsellor of the French Permanent representation to the United Nations). He is a graduate from National School of Administration (promotion Condorcet 1992) in Paris, holds a degree in Private Law from Grenoble University and graduated from the Institut d'Etudes Politiques of Lyon, Economics and Business program. He was awarded (knight) the National Order of Merit (France) and the National Order of the Lion (Senegal).



Aapo TOMMILA is Student Master of Science, MSNuclear Engineering at LUT University (2019 – 2021). Bachelor's degree Energy Management and Systems Technology/Technician from Helsinki Metropolia University of Applied Sciences (2015 – 2019), computer and Information Sciences and Support Services from Ohjois-Karjala Vocational School (1999 – 2003). Experience : Engineering Trainee at Fortum on 2019, Maintenance Engineer at Ekonia Oy on 2017. Welder Tmi Aapo Tommila (2010-2015).



Pasi TUOHIMAA is the Communications Manager for both TVO and Posiva. Responsible of external comms and media relations. Joined TVO 2013. Pasi's background is in journalism for 28 years. He has worked as a political correspondent and anchor in television news and also as a political correspondent in the biggest national newspaper in Finland, Helsingin Sanomat. Storyteller with a newsdesk mind. Was also the president of the Finnish political journalists association before joining TVO. He is ex pro icehockey player.



Tiina TUOMELA is Executive Vice President, Fortum Corporation, responsible for Fortum Corporation's Nordic power production. The operations comprise nuclear, hydro, thermal and wind power production, portfolio management and trading as well as nuclear services globally. She is also CEO of the license holder company of Loviisa Nuclear Power Plant in Finland and oversees Fortum's ownerships in Olkiluoto, Oskarhamn and Forsmark nuclear power plants. Tiina has almost 30 years of experience in power generation business and she has had several executive and managerial positions in Fortum. She is a member of the board of Finnish Energy, Teollisuuden Voima Oyj, YIT Corporation and Kemijoki Oy. Tiina holds a Master's degree in Industrial Engineering and Management from Lappeenranta University of Technology and MBA from Aalto University School of Business.



Marjut VÄHÄNEN is FinNuclear Director since December 2018. Born in 28 February 1975, she hold several positions at Posiva, from 03/2003 to 11/2018. Tampere University of Technology, Graduate Student, 01/2000 – 03/2003 (Licentiate of Science (Tech.), Master of Science (Econ.), Executive MBA). Expert areas Nuclear lifecycle (especially waste management), marketing, commercialization of services, building networks, requirement management.



Dr Antti VASARA has been the President and CEO of VTT Ltd since 2015. He is a non-executive director of Elisa Oyj (the largest telecommunications operator in Finland) and of the Jane and Aatos Erkkö Foundation. He is president of EARTO (European Association of Research and Technology Organisations) and chairman of Palta (Service Sector Employers of Finland). Previously, he worked at companies such as Nokia, Tieto, SmartTrust and McKinsey & Company. Earlier in his career, he was a researcher in optical communications, publishing some 20-plus peer-reviewed articles and holding one international patent. Dr Vasara holds a Doctor of Science (Technology) degree from Aalto University in Finland.



Olivier VIDAL is a geologist, CNRS-IS Terre researcher at the Institut des Sciences de la Terre, Grenoble. He has been working on the thermodynamic and kinetic modeling of mineral reactions, with applications in the fields of Earth geodynamics, storage of radioactive waste or CO₂, and natural hydrogen production. His research is now focused on the energy-raw materials nexus in the context of energy transition to a low-carbon society in collaboration with economists. He has been scientific coordinator of the first European network on the industrial handling of non-energy raw materials (ERA-MIN).



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