International Workshop on Resource Efficiency
In the context of the Italian G7-B7 and the German G20-B20 Presidencies

ROMA, MARCH 30, 2017
Content

Foreword ................................................................. 3
Agenda ..................................................................... 4
Licia Mattioli .......................................................... 5
Rudolf Staudigl ........................................................ 6
Gian Luca Galletti .................................................. 7
Helge Wendenburg ................................................. 8
Kristalina Georgieva ............................................... 9
Emma Marceaglia .................................................. 10
John Hopkins ........................................................ 11
Marco Gay ............................................................. 12
Shardul Agrawala ................................................. 13
Virginia ‘Ginny’ Flood ............................................. 14
Alessandro Puliti .................................................... 15
Egbert Lox .............................................................. 16
Simone Mori .......................................................... 17
Harald Friedl .......................................................... 18
Enzo de Laurentiis .................................................. 19
Giovanni Giani ....................................................... 20
Federico Mangiacotti ............................................. 21
Mike Mullin ........................................................... 22
Paolo Bertuzzi ....................................................... 23
Vincenzo Boccia .................................................... 24
Claudio Andrea Gemme ........................................ 25
Organizers ............................................................. 26
Meeting demand for natural resources in a sustainable way is one of the big global challenges of our time. Business, through innovative products and solutions, can enable consumers to meet their economic needs in a more efficient way.

Confindustria, the Confederation of Italian Industry along with the Global Business Coalition (GBC) is engaged in a process of informing the G7 and G20 policy-makers of the forward trends within industries to support the development of an integrated international policy framework that benefits from good practices and experiences of how businesses can promote resource efficiency activities globally.

**It is in this context that Confindustria and GBC are organizing this International Workshop on Resource Efficiency in Rome on March 30, 2017.**

Improving resource efficiency can offer concrete business opportunities and is key for a sustainable and secure supply of raw materials. It is expected that resource efficiency driven business models along the entire value chain, will spur innovation, increase revenue, and drive competitiveness, while helping to move towards sustainable futures.

Resource efficiency will significantly impact the way businesses are currently operating and companies that invest in resource efficiency will be best positioned to seize market opportunities and face international competition.
13.00 **Registration of participants**

14.00 **Welcome and introductory remarks**
- **Licia Mattioli**, Vice President International Affairs, Confindustria
- **Rudolf Staudigl**, President and CEO, Wacker Chemie AG; BDI; Global Business Coalition Presidency (GBC)

14.15 **Global Governance**
- **Gian Luca Galletti**, Minister for Environment, Italy
- **Helge Wendenburg**, Director-General, Water Management, Resource Conservation, Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety, Germany
- **Kristalina Georgieva**, Chief Executive Officer, World Bank

15.00 **Challenges and Opportunities for Business and Industry**
- **Emma Marcegaglia**, President, BusinessEurope
- **John Hopkins**, Chairman and CEO, NuScale Power LLC; Chairman Board of Directors, US Chamber of Commerce (USCC)
- **Marco Gay**, President, Young Entrepreneurs Confindustria
- **Shardul Agrawala**, Head of the Environment and Economic Integration Division, Organisation for Economic Co-operation and Development (OECD)
- **Virginia ‘Ginny’ Flood**, Vice-President, Government Relations, Suncor Energy Inc.; Chair of the International Strategic Affairs Committee, Canadian Chamber of Commerce (CCC)

16.00 **Resource Efficiency and Circular Economy Drivers of Growth and Development**
- **Alessandro Puliti**, Executive Vice President, Reservoir and Development Projects, ENI
- **Egbert Lox**, Senior Vice President, Umicore
- **Simone Mori**, Head of European Affairs, ENEL Group; Chairman, Assoelettrica
- **Harald Friedl**, CEO, Circle Economy; Co-founder, The Netherlands Circular Hot Spot
- **Enzo de Laurentiis**, Chief Procurement Officer, Operational Policy and Country Services Vice-Presidency, World Bank

17.00 **Best Practices**
- **Giovanni Giani**, Chairman and CEO, Suez Italia S.p.A
- **Federico Mangiacotti**, Country Manager, Beko Italy S.r.l, Arcelik AS
- **Mike Mullin**, Senior Director, Government and Public Affairs, Chep/ Brambles Ltd.
- **Paolo Bertuzzi**, Managing Director and CEO, Turboden S.p.A

17.45 **Conclusions**
- **Vincenzo Bocca**, President, Confindustria

Co-chairs:
- **Licia Mattioli**, Vice President International Affairs, Confindustria
- **Claudio Andrea Gemme**, Chair, Industry & Environment Committee, Confindustria
Welcome and Introductory Remarks

Licia Mattioli is presently the Vice President International Affairs, Confindustria. She is a lawyer and was born in Naples in 1967.

- She is, Chief Executive Officer of Mattioli S.p.A.;
- President of the Unione Industriale of Turin; President of Confindustria – Federorafi;
- Member of the Board of Confindustria and of the Council of the same;
- President of the Italian Women Jewellery Association;
- Member of the Executive and Council of the Chamber of Commerce of Turin;
- Councillor of the CDA of SIAS S.p.A.; and
- Councillor FIAMP – Italian Federation of Fashion and Personal Accessories.

She has held the following positions:
- Member of the board of the Young Entrepreneurs Group at the Unione Industriale of Turin;
- Vice President of the Young Entrepreneurs Group at the Unione Industriale of Turin;
- Vice President of the Unione Industriale of Turin;
- Vice President of the Women Entrepreneur Committee of the Chamber of Commerce of Turin;
- Vice President of the Incubatore I3P of Turin;
- President of “Exclusive Brands Torino” – the first cluster in Italy gathering a selection of leading companies in the luxury market, founded by her in 2011;
- Mela d’oro of Fondazione Bellisario in 2010.

Introduction to Confindustria

Confindustria is the main association representing manufacturing and service companies in Italy, with a voluntary membership of more than 150,000 companies of all sizes, employing a total of 5,440,873 people.

The association’s activities are aimed at guaranteeing the central importance of companies, the driver’s of Italy’s economic, social and civil development. By representing companies and their values at institutions of all levels, Confindustria contributes to social well-being and progress, and from this standpoint guarantees increasingly diversified, efficient and modern services.

Confindustria’s added value stems from its network: a headquarters in Rome, 234 local and trade associations and since 1958, a delegation in Brussels, which has seen its strategic importance grow over the years and is now a benchmark for the entire Italian economic system at the European Union.

189 people work at the Rome headquarters and 14 at the Brussels delegation, and have an average age of 42.
Welcome and Introductory Remarks

Rudolf Staudigl studied chemistry at Ludwig Maximilian University of Munich, obtaining his Ph.D. (Dr. rer. nat) in 1981. After post-doctoral research at Harvard University (Cambridge, USA) and Ludwig Maximilian University, he joined Wacker Siltronic AG in 1983. Rudolf Staudigl became Vice President of Operations at Wacker Siltronic Corporation (Portland, Oregon, USA) in 1989 and President a year later. He joined the Executive Board of Wacker Siltronic AG in 1993. In 1995, Rudolf Staudigl was appointed to Wacker Chemie GmbH’s Executive Board. Since 2005, he has been an Executive Board member of Wacker Chemie AG.

In May 2008, Rudolf Staudigl was appointed President & CEO of the Executive Board of Wacker Chemie AG.

Most recently, he has focused on the organisation's commitment to sustainability and resource efficiency, which is in line with the International Workshop on Resource Efficiency.

Introduction to BDI

The BDI conveys the interests of German industry to political decision-makers and in the process, it provides support for companies engaged in global competition. The BDI has at its disposal a widely branching network in Germany and Europe, in all important markets and in international organisations. The BDI takes care of the political flanking of international market opening. And it covers information and economic policy consultations for all topics related to industry.

The BDI is the umbrella organisation of German industry and industry-related services. It speaks for 36 trade associations with around 100,000 companies and more than 8 million employees. Membership is voluntary. 15 organisations in the regional states represent the interests of industry at the regional level.

Introduction to Wacker Chemie AG

WACKER is a globally active chemical company with some 17,000 employees and annual sales of around 5.3 billion (2015). Spanning the globe with five business divisions, WACKER currently operates 25 production sites worldwide. WACKER is represented by subsidiaries and sales offices in 31 countries in the Americas, Asia, Australia and Europe.

Rudolf Staudigl

President and CEO, Wacker Chemie AG; BDI; Global Business Coalition Presidency (GBC)
International Workshop on Resource Efficiency

Global Governance

Gian Luca Galletti is Minister of Environment from February 2014 in Paolo Gentiloni’s Government (previously during Matteo Renzi’s Government).

He was Undersecretary of State for Education, University and Research (May 2013-February 2014).

Born in Bologna in 1961, he is married with four children.

Graduated in Economics at the University of his city, Minister Galletti has been working in Bologna as a Chartered Accountant since 1989, operating prevalently as an adviser on taxation, civil law and corporate matters for major companies and banking groups.

He has been City Councilor at the Bologna Municipality, from 1990 to 2009, and Budget Councilor, responsible for Economic Planning, Revenues and Assets, Corporate Structures and Privatizations, from July 1999 to June 2004.

From May 2003 to April 2005 he has been component of the High Commission of Study, Ministerial Body for the Public Finance Reform.

He also has been Regional Councilor in the Emilia-Romagna Region Legislative Assembly, from May 2005 to April 2006.

After that, Minister Galletti has been member of the Parliament in the 15th legislature, from 2006 to 2008, and in the 16th legislature, from 2008 to 2013.

Vice-president of the 5th Commission (Budget, Treasury and Planning) from November 2009 to October 2010, he was member of many Parliamentary Commission such as the Legislation Committee (2006-2008), the Special Commission for the Examination of Bills Conversion Law decrees (2006), the Commission for the Legislation Simplification (2006-2008) and the 6th Commission, Finance (2006-2008 e 2010-2013).
Helge Wendenburg, Director General, Water Management and Resource Conservation, German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety

Since 2005, Dr Helge Wendenburg has headed the Directorate for ‘Water Management and Resource Conservation’ of the Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety in Bonn, Germany. Since 2010 the Directorate has also been responsible for Ecologic Resource Efficiency.

Dr Wendenburg studied law at the University of Göttingen, where he also obtained his Doctorate in Law and attended the Institute for Political Science from 1979 till 1982. From 1983, he occupied a variety of roles in the District Government of Brunswick before transferring in 1990 to the Ministry of Environment of Lower Saxony, where he headed various divisions and finally the Directorate for Waste Management and Air Pollution Control.

He is a Member of the Board of the German Water Association (DWA) and the Academy of Geological Sciences.

He is the author of various articles concerning water and waste management and water and waste legislation, which have been published in a range of journals, periodicals and newspapers.

He is the co-editor of a commentary on waste management law and sits on the board of editors of the German scientific periodicals ‘AbfallR’, ‘Müll und Abfall’ and ‘Umwelt- und Planungsrecht (UPR)’. 
Kristalina Georgieva assumed her current position as the Chief Executive Officer for the World Bank on January 2, 2017.

As the CEO for the International Bank for Reconstruction and Development and the International Development Association, the World Bank’s lending arms for middle-income and poor countries, Georgieva will build support across the international community to help mobilize resources and develop more effective solutions for the poor at the scale required.

Previously, Georgieva, a Bulgarian national, helped shape the agenda of the European Union since 2010, first as Commissioner for International Cooperation, Humanitarian Aid and Crisis Response.

As the European Commission Vice President for Budget and Human Resources, she was in charge of the European Union’s euro 161 billion budget and 33,000 staff across its institutions around the world. She tripled funding available to the refugee crisis in Europe and drove rapid progress towards achieving a target of 40 percent women in management by 2019 in order to improve the Commission’s gender balance.

Georgieva is widely respected for her efforts to mobilize the international community to find innovative solutions to today’s complex challenges. Georgieva has held multiple positions at the World Bank. In her most recent role as the Vice President and Corporate Secretary (2008-2010), she was the interlocutor between the World Bank Group’s senior management, its Board of Directors and its shareholder countries. In the wake of the 2008 international financial crisis, she played a key role in the World Bank’s governance reform and accompanying capital increase.

From 2007 to 2008, Georgieva was Director for Sustainable Development in charge of policy and lending operations in infrastructure, urban development, agriculture, environment and social development, including support to fragile and conflict-affected countries.

Prior to that, in 2004, Georgieva was made World Bank Director for the Russian Federation, based in Moscow. Then she became Director in charge of the World Bank environmental strategy, policies and lending. Following that assignment, she became Director for Environment and Social Development for the East Asia and Pacific Region. Georgieva started working at the World Bank in 1993 as an Environmental Economist. Deeply knowledgeable in international development and finance, Georgieva established a well-deserved reputation during her time at the Bank for her ability to build broad consensus and turn strategies into practice. She has more than 100 publications on environmental and economic policy topics, including a textbook on microeconomics.

Georgieva was born in Sofia, Bulgaria, in 1953. She holds a Ph.D in Economic Science and a M.A. in Political Economy and Sociology from the University of National and World Economy, Sofia, where she was an Associate Professor between 1977 and 1991.
International Workshop on Resource Efficiency
Challenges and Opportunities for Business and Industry

Emma Marcegaglia has been President of BusinessEurope since July 2013.
Ms Marcegaglia is Chairman and Chief Executive Officer of Marcegaglia Holding S.p.A., and Vice-Chairman and Chief Executive Officer of the subsidiary companies operating in steel processing. She is also Chairman and Chief Executive Officer of Marcegaglia Investments Srl, the holding company of diversified activities of the group.
Chairman of ENI since May 2014. Chairman of Fondazione Eni Enrico Mattei (FEEM) since November 2014. President of Confindustria from May 2008 until May 2012. President of Luiss Guido Carli University since July 2010. Furthermore, she is on the board of directors of the following companies: Bracco S.p.A., Italcementi S.p.A and Gabetti Property Solutions S.p.A.
In the past, she held the following offices: Chairman of Fondazione Aretè Onlus; member of the management board of Banco Popolare; member of the board of directors of FinecoBank S.p.A.; Confindustria Vice-President for infrastructure, energy, transport and environment from May 2004 until May 2008; Italian representative in the High Level Group for energy, competitiveness, and environment created by the European Commission; Vice-President of Confindustria for Europe from 2000 until 2002; National President of Confindustria Young Entrepreneurs from 1996 to 2000, President of YES (European Confederation of the Young Entrepreneurs) from 1997 to 2000; National Vice President of Confindustria Young Entrepreneurs from 1994 to 1996.
Born in Mantua in 1965, Emma Marcegaglia holds a degree in business administration, with first class honours, from the Bocconi University in Milano. She later attended a postgraduate Master in business administration at the University of New York.
She has been awarded and named “Bocconiana dell’anno” (best Bocconi student of the year) for the year 1996.

Introduction to BusinessEurope

BusinessEurope is the leading advocate for growth and competitiveness at European level, standing up for companies across the continent and campaigning on the issues that most influence their performance. A recognised social partner, BusinessEurope speaks for all-sized enterprises in 34 European countries whose national business federations are its direct members.
The organisation is headquartered in Brussels at the heart of the EU institutions. BusinessEurope works on behalf of its member federations to ensure that the voice of business is heard in European policy-making. BusinessEurope interacts regularly with the European Parliament, Commission and Council as well as other stakeholders in the policy community. It also represents European business in the international arena, ensuring that Europe remains globally competitive.
John L. Hopkins was named chief executive officer to lead the small modular reactor (SMR) nuclear development company NuScale Power in 2012. Hopkins champions the safe, clean, and affordable features of SMR technology, which is transforming the clean energy industry.

Before joining NuScale Power, Hopkins held a number of executive positions in his 24 years of service with Fluor Corporation, a Fortune 500 international engineering and construction company. From 2010 to 2012, Hopkins served Fluor as group president, Corporate Development and New Ventures Group, where he was responsible for strategic planning and global sales and marketing. From 2005 to 2009, Hopkins headed Fluor’s Government Group with P&L responsibility for the operations groups that provide value-added services to numerous government agencies.

Hopkins has held a variety of senior management, sales, and operations roles around the world since joining Fluor in 1988. As group president of Fluor Global Services, he led the global Operations and Maintenance business unit. As president and chief executive officer of TradeMC, LLC, he was responsible for the strategic capital goods sourcing venture jointly owned by Fluor, IBM, and the Royal Bank of Canada.

Hopkins is a member of the Executive Committee of the U.S. Chamber of Commerce, a member of the Nuclear Energy Institute board of directors, and senior policy advisor of I Squared Capital. He served as the senior executive member of both the Fluor Netherlands and the Fluor United Kingdom boards of directors, as chairman of the board for Savannah River Nuclear Solutions, LLC, and as a director of the Business Council for International Understanding.

Hopkins graduated with a B.B.A. from the University of Texas, Austin, and has completed several advanced management programs.

Introduction to U.S. Chamber of Commerce
The U.S. Chamber of Commerce is the world’s largest business federation representing the interests of more than 3 million businesses of all sizes, sectors, and regions, as well as state and local chambers and industry associations. Its International Affairs division includes more than 70 regional and policy experts and 25 country- and region-specific business councils and initiatives.

Introduction to NuScale Power LLC
Oregon based, NuScale Power is developing a new kind of nuclear plant; a safer, smaller, scalable reactor technology. NuScale’s design offers the benefits of carbon-free nuclear power with a revolutionary safety profile. NuScale technology is ideally suited for small and emerging market power grids needing base load electricity, load-following support for renewables, very high-reliability micro-grids, and process heat or steam for district heating, desalination and industrial uses.
Marco Gay was born in Turin in 1976. He is CEO of WebWorking LTD, founder of AD2014 S.r.l. and President of Torino1884 S.r.l. He is Partner and Vice President of Digital Magic. He has previously held the following positions in Confindustria:

- Vice President of Young Entrepreneurs of Confindustria Piemonte;
- President of Young Entrepreneursof Confindustria Piemonte;
- Member of the Executive Committee “Small Industry” at Unione Industriale di Torino;
- Member of the Central Council of Confindustria Young Entrepreneurs;
- Member of the Technical Committee for the diffusion of Evolved Digital Services.

Introduction to Young Entrepreneurs Confindustria

The G20 Young Entrepreneurs’ Alliance (G20 YEA) is a collective of organizations across the jurisdictions of the G20 that promotes youth entrepreneurship as a driver of economic renewal, job creation, innovation and social change. Alliance members represent more than 500,000 young entrepreneurs.

Each year the G20 YEA brings together hundreds of the world’s top young entrepreneurs to share their ideas with the B20 and G20 leaders to catalyze global change. The Confindustria Young Entrepreneurs Movement is one of the founding members of the G20 YEA. It started the idea of identifying and connecting young entrepreneurs’ associations all around the world, bringing them all together for the first time at the first G8 Young Entrepreneurs Summit held in Stresa in 2009.

The Movement was born within the framework of the Confindustria membership system, as a group of individuals aimed at strengthening awareness of the entrepreneur’s role, encouraging the spread of business culture and the growth of entrepreneurial opportunities.
Shardul Agrawala is Head of the Environment and Economic Integration Division at the OECD Environment Directorate. He took up duties in July 2013. In this capacity, Dr. Agrawala leads the Directorate’s work on economic-environmental modelling, empirical analysis of environmental policies, trade and environment, and on resource productivity and waste.

At the OECD since 2002, Dr. Agrawala has previously served as Senior Advisor to the OECD Secretary General, Co-ordinator of the OECD-wide initiative on New Approaches to Economic Challenges, Acting Head of the Climate Change Biodiversity and Development Division, and Senior Economist Climate Change.

Dr. Agrawala has published extensively on climate change. He has led teams of international experts as Co-ordinating Lead Author (CLA) for chapters of the Fourth and Fifth Assessment Reports of the Intergovernmental Panel on Climate Change (IPCC).

He received his PhD from Princeton University and has previously held research positions at Princeton University, Harvard University, Columbia University and at the International Institute of Applied Systems Analysis (IIASA).

Introduction to OECD

OECD’s work on resource productivity aims to develop a better understanding of the physical resource base of economies, monitor progress towards resource efficiency, and foster the implementation of integrated life-cycle approaches to natural resources, materials and waste management. Current work focuses on promoting the transition towards a circular economy in order to improve resource productivity and support green growth.

OECD is modelling the macroeconomic implications of the circular economy through the use of in-house modelling tools; strengthening resource productivity data and indicators; and assessing new business models that are emerging and their potential contribution to circular economy objectives.

Work is also underway on plastics and the policy measures that can help to improve recycling rates of this widely used group of materials.
International Workshop on Resource Efficiency
Challenges and Opportunities for Business and Industry

Ginny Flood joined Suncor Energy Inc. on March 16, 2015 as Vice President, Government Relations. In this role, Ms. Flood provides leadership to further Suncor’s strategy by supporting the organization at all levels of government.

Prior to joining Suncor, Ms. Flood was the Vice President Canada for Rio Tinto and was responsible to provide strategic leadership for Rio Tinto’s businesses in Canada on national and global matters. In this role, Ms. Flood worked closely with governments, shareholders, Aboriginal and other stakeholders.

Prior to joining Rio Tinto, Ms. Flood held various senior roles within the Canadian Federal Government in areas involving resource development, including participating as Government of Canada representative on various international and government to government working groups (i.e. China, Russia, Africa, etc.) related to the minerals and metals sector.

Ms. Flood is on the Executive and the Board of Directors for the Canadian Chamber of Commerce and chairs the Board’s International Strategic Advisory Committee. As well, Ms. Flood is on the Board of Directors for the Canadian Manufacturing and Exporters and the China Alberta Petroleum Centre (CAPC). Ms. Flood previously served as Rio Tinto’s representative on the Turquoise Hill Resources Board of Directors from May 2013 to May 2014.

Ms. Flood resides in Calgary with her husband Brian. She has a Queen’s University Executive MBA and studied Business Administration at the University of Prince Edward Island.

Introduction to CCC
The Canadian Chamber of Commerce is the vital connection between business and the Canadian federal government. It helps shape public policy and decision-making to the benefit of businesses, communities and families across Canada with a network of over 450 chambers of commerce and boards of trade, representing some 200,000 businesses of all sizes in all sectors of the economy and in all regions.

Introduction to Suncor Energy Inc.
In 1967, Suncor pioneered commercial development of Canada’s oil sands – one of the largest petroleum resource basins in the world. Since then, they have grown to become a globally competitive integrated energy company with a balanced portfolio of high-quality assets, a strong balance sheet and significant growth prospects.

Suncor’s mission is to create energy for a better world. They extract and upgrade oil sands into high-quality, refinery-ready crude oil products and diesel fuel. In addition, they explore for, develop and produce conventional oil and natural gas — from both onshore and offshore developments. Finally, they are investing in clean, renewable energy sources and are currently evaluating solar energy investment opportunities.
Alessandro Puliti is Executive Vice President Reservoir & Development Projects for ENI, based in Milan, Italy.

He holds a MSc in Geology from Milan University and a Master in Energy Economics.

Alessandro joined ENI in 1990 in the Reservoir Department and since then he has developed his career in various global positions gaining experience in reservoir, drilling, operations and general management across Italy, the North Sea, North Africa, Russia and Norway.

He has held the position of General Manager of Petrobel and IEOC in Egypt, ENI Energhia in Russia, ENI Norge in Norway.

In early 2012, he returned to Italy to take the position of SVP of Petroleum Engineering, Production and Maintenance and subsequently becoming head of Drilling and Completion department.

Since October 2015 Alessandro has held his current position.

Alessandro is an SPE Member since 1992.

**Introduction to ENI**

ENI is an energy company working to build a future where everyone can access energy resources efficiently and sustainably.

Our work is based on passion and innovation, on our unique strengths and skills, on the quality of our people and in recognising that diversity across all aspects of our operations and organisation is something to be cherished. We believe in the value of long term partnerships with the countries and communities where we operate.

Exploration and Production is our main business. It is currently present in 42 countries and is focused on finding and producing oil and gas. ENI’s strategy is to deliver organic production growth, leveraging on a high-quality portfolio of assets and long-standing relationships with host countries. Our strategy combines geographical diversification with scale benefits and project synergies.

Gas and Power is engaged in all phases of the gas value chain: supply, trading and marketing of gas and electricity, gas infrastructures, and LNG supply and marketing.

ENI sells more than 60 per cent of its gas outside Italy and its leading position in the European gas market is supported by competitive advantages, including its multicountry approach, long-term gas availability, access to infrastructure, market knowledge, wide product range and strong customer base.

Refining and Marketing refines and markets fuels and other oil products primarily in Italy. Our R&M division is relatively small compared to the R&M segment of our peers. ENI is the largest refinery in Italy and the leading operator in retail marketing of fuels with a market share of around 25.5 per cent. ENI’s strategy in R&M is to cut capacity and costs and enhance margins to return to profitability.
Egbert Lox earned his MSc (1982) and PhD (1987) in Chemical Engineering at the University of Ghent, Belgium.

He joined the central research laboratories of Degussa AG, Germany in 1987, where he built up the R&D group for automotive emission control catalysts and assumed consecutive management levels in that area till 2006. From 2006 to 2012 he took care of the management of the corporate R&D team of Umicore, which deploys its activities in Belgium and in Germany. Since 2013 he assumes the position of Senior Vice President Government Affairs, based in Umicore’s headquarters in Brussels, Belgium.

He is chairman of the Board of Directors of Innotek and represents Umicore in the Board or Executive Committee of several industry associations.

He lectures on automotive emission control catalysts amongst others at the Department of Mechanical Engineering of the Karlsruhe Institute of Technology (KIT) in Germany. In 2015, he was granted the honorary professorship at this university. He is member of several university advisory councils and served as jury of PhD-Thesis’s at universities across the EU.

Furthermore, he interacts with various RTO’s by being member of the advisory board and/or strategic evaluation & audit teams.

He is author or co-author of about 130 technical papers; he is also co-inventor of more than 90 patents in the field of heterogeneous catalysis and is the co-recipient of the 1998 A.T. Colwell Merit Award of the Society of Automotive Engineers (SAE).

He is a permanent member of the Royal Flemish Academy of Belgium for Sciences and Arts (KVAB).

Introduction to Umicore
Umicore is a global materials technology and recycling group. It focuses on application areas where its expertise in materials science, chemistry and metallurgy makes a real difference. Its activities are organised in three business groups: Catalysis, Energy & Surface Technologies and Recycling. Each business group is divided into market-focused business units offering materials and solutions that are at the cutting edge of new technological developments and essential to everyday life.

Umicore generates the majority of its revenues and dedicates most of its R&D efforts to clean technologies, such as emission control catalysts, materials for rechargeable batteries and recycling. Umicore’s overriding goal of sustainable value creation is based on an ambition to develop, produce and recycle materials in a way that fulfils its mission: materials for a better life.

The Umicore Group has industrial operations on all continents and serves a global customer base; it generated a turnover of euro 11.1 billion (euro 2.7 billion excluding metal) in 2016 and currently employs 9,900 people.
Simone Mori is ENEL Group’s Head of European Affairs since July 2014, and Chairman of Assoelettrica, the Italian Association of Electricity Companies since May 2016. He has held a number of positions within ENEL Holding, and was a board member of several Group companies operating in Italy and abroad. Over the last few years he was ENEL’s Head of Regulatory, Environment and Innovation and Head of Carbon Strategy. Beyond the ENEL Group, he was previously Vice President of Assoelettrica, Chairman of business association Assolombarda’s Energy Commodity Group, President of the Industrial Union of Rome’s Energy section and a member of Italian employer’s association Confindustria’s Energy Commission. He also teaches Economics of Energy Business at La Sapienza University and LUISS Guido Carli in Rome. He is a Senior Transatlantic Fellow of the German Marshall Fund of the United States.

Introduction to ENEL Group
For more than 50 years, since the day ENEL was founded in 1962, it has worked hard to enable businesses, nations and individuals to thrive by connecting them to electricity, gas and the right services for their needs. ENEL has constantly embraced new technologies to make their energy more reliable, more affordable and more sustainable, from the introduction of the first smart meter to becoming the world’s largest producer of renewable energy. Openness is a key element of the Group’s strategic and operational approach. For ENEL, “Open Power” means tackling some of the biggest challenges the world faces. It means opening energy access to more people; opening the world of energy to new technologies; opening new ways for people to manage energy; opening new uses of energy; and opening more partnerships. These are ambitious goals and we are pursuing them with the passion of people who want to change the world.

As a leading energy company, ENEL plays a critical role in tackling climate change and its impact on people’s lives. This has been recognized by Fortune magazine, which in 2015 listed ENEL at 5 out of 50 companies capable of changing the world.

We are committed to renewable energy sources, such as hydro, wind, solar, geothermal, biomass and cogeneration plants, and together with our partners we are developing new environmentally-friendly technologies.

Introduction to Assoelettrica
Assoelettrica is the National Association of Electricity Companies that unites about 80 companies operating in the free market by ensuring more than two thirds of the Italian power. It wants to protect the economic and technical interest of its Members, assuming the representation and promoting and coordination by appropriate initiatives.
International Workshop on Resource Efficiency

Resource Efficiency and Circular Economy Drivers of Growth and Development

Harald Friedl assumed his current position as the Chief Executive Officer of Circle Economy in March 2017.

In 2003 Friedl did his Masters in Economics from University of Economics and Business Administration, Vienna, Austria and then in May 2004 a Masters in International Relations from Columbia University New York, Graduate School of Arts & Science. In 2016 he attended the THNK Amsterdam, Creative Leadership School.

Harald Friedl began his career as a journalist for Lower Austria News from 1992-99. He then joined the Austrian Broadcasting Corporation (ORF) as a Journalist/news anchor from 1999 to 2003. He was a UN specialist for the Independent Inquiry Committee into the UN Oil-for-Food Program with the United Nations from 2004 to 2005.

In 2005 Friedl was appointed as the Chief of Staff at the Federation of Austrian Industry, Office of the President Vienna, Austria for a two year tenure. From 2007 to 2009 he was Advisor to Finance Minister, Government of Republic of Austria, Cabinet of the Vice Chancellor/Finance Minister.

From 2010 to 2012, Friedl was the Head of Office of the Assistant Secretary General, UNDP, New York, USA. In 2012 he took the lead as Managing Director of ANDRITZ HYDRO and positioned the company as one of the key players in the renewables sector in Myanmar.

In 2015, he co-founded the Yangon Angel Investment Group in Myanmar. From 2015 to 2017, before becoming the CEO of Circle Economy, Friedl was the co-founder and Innovation Lead of Impact Hub Myanmar.

Harald Friedl has the following Publications credited to him; “Making the difference: Reportage on EU’s Instrument for Stability”, Brussels 2009; “Managing Myanmar’s Bumpy Road ahead”, November 2013 and “First Myanmar Start up Guide”, 2014.

Introduction to Circle Economy

Circle Economy is a social enterprise based in Amsterdam, which addresses some of the world’s most pressing environmental and social issues by delivering practical and scaleable circular economy solutions to the world.

Circle Economy is developing and running world class programmes, tools and partnerships focusing on sectors and geographic locations where the practical implementation of the circular economy can be delivered and scaled to deliver maximum input.

Harald Friedl

CEO, Circle Economy; Co-founder, The Netherlands Circular Hot Spot
Enzo de Laurentiis is the Chief Procurement Officer in the Operations Policy and Country Services Vice-Presidency of the World Bank. Previously, he served as Manager of the Procurement Policy Unit in the same Vice-Presidency, as a Practice Manager in the Governance Global Practice, and as the Regional Procurement Manager for the East Asia and Pacific and the Latin America and Caribbean Regions of the World Bank.

Prior to joining the World Bank as Procurement Specialist in 1998, Mr. de Laurentiis was Projects Director and later Vice President of an international consulting firm providing advisory services on procurement to Multilateral Development Banks, countries, and the private sector.

Mr. de Laurentiis has been a member of the adjunct faculty at American University Washington College of Law in Washington, D.C., from 1992 to 2004, teaching international contracts and international procurement law. He has also prior legal and international banking experience.

Mr. de Laurentiis holds a law degree (Dottore in Giurisprudenza) from the University of Trieste in Italy and a Masters of Laws (LL.M.) in International Legal Studies from American University Washington College of Law.

Introduction to World Bank Group

The World Bank Group is one of the world’s largest sources of funding and development expertise for developing countries. It comprises five closely associated institutions: The International Bank for Reconstruction and Development (IBRD) and the International Development Association (IDA), which together form the World Bank; the International Finance Corporation (IFC); the Multilateral Investment Guarantee Agency (MIGA); and the International Centre for Settlement of Investment Disputes (ICSID).

Each institution plays a distinct role in pursuing the World Bank Group’s mission to fight poverty and improve living standards for people in the developing world.
Giovanni Giani is the Chairman & Chief Executive Officer of Suez Italia SpA since 1994.

Giovanni Giani was born in January 1950. He graduated from Politecnico di Milano in 1976.

Giovanni Giani is a manager with international experience in public utilities and industry.

He developed and consolidated the business of SUEZ in Italy and the Mediterranean Countries.

He started his career in the offshore engineering and infrastructure mainly in the Middle East and later joined Suez Group and built up a solid activity in the field of water and environmental business.

Today, Suez group is the first foreign water and environmental operator in Italy (Acea, 3 billion euro revenues in Rome, and various companies in Florence, Arezzo, Pisa globally 500 million euro revenues).

Since 2011, Giani has been the Non-Independent Non-Executive Director of Acea SpA, a holding company which engages in the management of energy, environmental, and water services.

Giani is also the chairman of Intesa Aretina SCARL and La Società Acque Toscane SpA.

He is the director of various organisations like Iride Srl, Acque Blu Arno Basso SpA, Publialqua SpA, Acque SpA, a subsidiary of City of Rome, is an Italian company located in Ospedaletto that provides water services.

Prior to this he was the Director of Nuove Acque SpA, which provides water management services.

Honours: Officier de l’Ordre du Merite de la République Francaise.

Introduction to Suez Group

We are at the dawn of the resource revolution. In a world facing high demographic growth, runaway urbanisation and the shortage of natural resources, securing, optimising and renewing resources is essential to our future.

SUEZ (Paris: SEV, Brussels: SEVB) supplies drinking water to 92 million people, delivers waste water treatment services to 65 million, collects waste produced by almost 50 million, recovers 14 million tons of waste each year and produces 5,138 GWh of local and renewable energy.

With 80,990 employees, SUEZ, which is present on all five continents, is a key player in the sustainable management of resources. SUEZ generated total revenues of euro 15.3 billion in 2016.
Federico Mangiacotti is the Country Manager for Beko Italy S.r.l. Since 2008.

**Period - October 1976 to November 1980;** Position - Responsible for Import & Foreign Office; Area - Import and foreign vendor’s management; Company Ralco S.r.l., Cologno Monzese; Sector - Machinery & accessories for industrial laundries.

**Period - December 1980 - February 1984;** Position - Sales Manager; Area - Marketing & Product Planning Management; Company - MPI Electronic, Milan; Sector - Consumer Electronics.

**Period - March 1984 - September 2006;** Position - Planning & Marketing Manager; Area - Marketing & Product Planning; Company - Melchioni S.p.A., Milano; Sector - Consumer Electronics, domestic appliances and electric material.

**Period - October 2006 - January 2008;** Position - Sales & Marketing Manager; Area - Sales & Marketing management of TV/Air Conditioning products (BEKO brand); and Domestic Appliances (BLOMBERG brand); Company - Beko Italy Srl, Milan; Sector - Domestic Appliances and Consumer Electronics (Italiana Subsidiary di Arçelik A.S., Istanbul)

**Diploma - Commercial Language**
High School; Main studies - English and French Language; Commercial Language; School - Istituti Zanoni, Milan.

**Introduction to Arçelik AS**
Arçelik was founded in 1955 as a subsidiary of Koç Holding, Turkey’s largest industrial conglomerate.

Today, it has 30,000 employees and 18 manufacturing facilities in Turkey, Romania, Russia, China, South Africa, Thailand and Pakistan.

The company operates in 146 countries and manages 11 core brands with 34 sales and marketing offices located in 32 countries. It recorded a consolidated turnover of euro 4.8 billion in 2016. Arçelik is the undisputed leader in its home market, Turkey, in white goods, small domestic appliances, built-in appliances, and household air-conditioners.

Beko, global brand of Arçelik, has been the market leader in the UK white goods market for many years, and captured the leading brand position in free-standing total Europe. Beko is the global premium partner of FC Barcelona. The company’s premium brand, Grundig is the only European manufacturer of the full range of home electronics.

Arçelik rigorously invests in its 10 R&D centers in Turkey as well as 4 in Taiwan, the UK, Portugal and the US with a dedicated workforce of over 1000 researchers. Arçelik is the only Turkish entity in the list of top 500 companies published by World Intellectual Property Organization (WIPO) and has achieved its highest ranking to date, the 78th place, on the list. Arçelik’s corporate vision is “Respects the Globe, Respected Globally” as it passionately nurtures its global growth story with greener production, better utilization of natural resources and more sustainable business processes.
Mike Mullin leads the global government and public affairs activities for Brambles Limited. He plays a key role leading the company’s efforts to promote food security, economic growth opportunities for small holders and SMEs and sustainable global commerce. He also leads the company’s efforts to promote trade facilitation and the benefits it drives to least developed and developing nations.

Mike leads the company’s engagement with international organizations and partners including the G7/B7, the World Economic Forum, and the Consumer Goods Forum, the World Bank, the WTO as well as others.

Mike’s career has spanned journalism, government service and the public sector. During his government service Mike served two Members of Congress and the US Secretary of Transportation. His previous private sector experience includes senior roles leading government and public affairs activities and advising C-suite executives in the auto, cement and packaging sectors.

In addition, Mike has throughout his personal and professional life been active in promoting environmental sustainability. Mike’s efforts were awarded the President’s Environmental Protection Award of Excellence by President Richard Nixon. He later served as the Chairman of the Business Network for Environmental Justice, a coalition of the National Manufacturing Association, the American Petroleum Institute and the Chemical Manufacturers’ Association. He also led negotiations with the Clinton Administration for sustainable, performance-based cement standards.

**Introduction to Brambles Limited**

Brambles Limited is a supply-chain logistics company operating primarily through the CHEP and IFCO brands. Brambles is listed on the Australian Securities Exchange (ASX) and has its headquarters in Sydney, Australia, but operates in more than 60 countries in Asia Pacific, Eurasia, Europe, Africa, the Middle East, Latin America and North America.

Brambles enhances performance for customers by helping them transport goods through their supply chains more efficiently, sustainably and safely. The Group’s primary activity is the provision of reusable unit-load equipment such as pallets, crates and containers for shared use by multiple participants throughout the supply chain, under a model known as “pooling”.

Brambles counts many of the world’s best-known brands among its customers. The Group also operates specialist container logistics business serving the automotive sector.

On June 30, 2016, the Group employed more than 14,500 people and owned more than 550 million pallets, crates and containers (after provisions) through a network of more than 850 service centres.
Paolo Bertuzzi has been Managing Director and Chief Executive Officer of Turboden since February 2014.

Paolo Bertuzzi holds a Ph.D. from Università Cattolica di Milano and a degree in Business Administration from the Università di Brescia.

From 2001 to 2006, Paolo Bertuzzi was a professor of Risk Management at Economia e Commercio, Università di Brescia.

Dr. Bertuzzi has been a shareholder of Turboden since 1999 and General Manager in charge of the financial and commercial activities coordination from 2009 up to January 2014.

Introduction to Turboden

Turboden is a leading European company in development and production of ORC (Organic Rankine Cycle) turbogenerators. This state of the art equipment generates heat and power from renewable sources and heat recovery in industrial processes.

The company was founded in 1980 in Milan by Mario Gaia, Professor of Energy at the Politecnico di Milano, and today Managing Director of Turboden. His close connection with the university has always ensured the recruitment of highly qualified R&D personnel.

Turboden has always had a single mission: to design ORC turbogenerators for the production of heat and electrical power from renewable sources, while constantly striving to implement ORC technical solutions.

In 2009, Turboden became part of UTC Corp., a worldwide leader in development, production and service for aero engines, aerospace drive systems and power generation gas turbines, to develop ORC solutions from renewable sources and waste heat worldwide.

In 2013 UTC exits the power market forming strategic alliance with Mitsubishi Heavy Industries and Pratt & Whitney Power Systems (now PW Power Systems) with the affiliate Turboden become an MHI group company.

Today Turboden s.r.l. and PW Power Systems, Inc. are Mitsubishi Heavy Industries group companies, with whom MHI is able to provide a wider range of products and services for thermal power generation systems.

Since 1980 Turboden focuses its activity on the design and the production of ORC systems for distributed generation in renewable energy applications and industrial heat recovery.
Vincenzo Boccia was elected the 30th president of Confindustria on May 25th, 2016. Born in 1964, he graduated in Economics and is the CEO of Arti Grafiche Boccia SpA, a company which has its headquarters in Salerno, operating for over 50 years in the graphic industry, in particular in the printing of specialized periodicals, newspapers, books and pamphlets for large retailers.

In the early 90s he was member of the Young Entrepreneurs of Confindustria, and became their Vice President in the year 2000. He was later President of Confindustria Assafrica & Mediterraneo and member of the Council and the Executive Council of Assografici.

From 2009 to 2013 he was President of Confindustria’s Piccola Industria, the Organization of Confindustria focused on SMEs growth and policies. Until May 2016 he also led the Technical Committee for Credit and Finance.

Introduction to Confindustria

Confindustria is the main association representing manufacturing and service companies in Italy, with a voluntary membership of more than 150,000 companies of all sizes, employing a total of 5,440,873 people.

The association’s activities are aimed at guaranteeing the central importance of companies, the driver’s of Italy’s economic, social and civil development. By representing companies and their values at institutions of all levels, Confindustria contributes to social well-being and progress, and from this standpoint guarantees increasingly diversified, efficient and modern services.

Confindustria’s added value stems from its network: a headquarters in Rome, 234 local and trade associations and since 1958, a delegation in Brussels, which has seen its strategic importance grow over the years and is now a benchmark for the entire Italian economic system at the European Union.

189 people work at the Rome headquarters and 14 at the Brussels delegation, and have an average age of 42.
Claudio Andrea Gemme was born in Genoa, graduated in Economics and International Policies. He is Chairman and CEO of Fincantieri S.p.A. (Integrated Systems), Member of the Board of Directors Isotta Fraschini Motori spa. ANIMP President, member of the Board of Fincantieri Marine Systems North America. From November 2016, he is Director of Systems & Components Division of Fincantieri leading three Business Units (Accommodation & Entertainment, Electric & Electronic Systems and Steel Infrastructures).

He is President of the Strategic Committee of the Great Milan Center. He is President and founder of the association “Angels for Children”. He was Chief Executive Officer of Isotta Fraschini Motori spa. He was member of the Executive Committee of Confindustria Genova - Genova Smart City Project. He was President of ANIE Federation, member of the Italian-Serbian Business Council and member of the Board of Directors of the Bicocca University of Milan.

In December 2015, he was awarded the Great Prize Spires Milan to him recognized as a businessman who has distinguished himself for having enhanced the economic environment, scientific, social and cultural development in the Milan area.

During his professional career, he has held various managerial positions. He started in Finmeccanica group in 1973 where he assumed duties within the Procurement Department, then in the Project Management of Ansaldo S.p.A. (A subsidiary of Finmeccanica). In 1987 he managed the litigation between industry and government after the closing of the nuclear power plants.

In 2000, with the privatization of the Ansaldo group industrial branch, he was managing the privatization process of Ansaldo Sistemi Industriali SpA.

He is an expert in energy and energy efficiency, covering a number of positions in major organizations and industry associations at national and European level. He was vice president and CEO of Nidec ASI SpA, CEO of Nidec ASI Japan Corporation, managing director of Nidec ASI GmbH Germany, Chairman of Conseil de Surveillance Nidec ASI s.a. France, President of Nidec ASI Veí Russia, member of the Board of Directors of Nidec ASI RO Romania Srl, President of Arsenal Consortium.

Since 2002 he is a Knight of Italian Republic.

In Confindustria he is a member of the Advisory Board, Chairman of the Industry and Environment Technical Group, member of the Committee for the implementation of the reform and definition of aggregation protocols. He is invited to the General Council of Confindustria and he was member of the Technical Group of Industrial Relations, the Group Technical Internationalization and Foreign Investors, the Group Technical Infrastructure, Logistics and Mobility, Technical Organization Group and Technical Thematic Energy Group. He was a member of the Special Project Expo 2015.
ABOUT CONFININDUSTRIA
Founded in 1910, Confindustria is the main organisation representing Italian manufacturing and services companies. Over 150,000 companies of all sizes, employing over 5.5 million workers are voluntary members of the organisation. In its by-laws, Confindustria advocates contributing to Italy’s economic and social growth by cooperating with Italian, European and international political institutions and economic, social and cultural organisations.

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 www.confindustria.it
 https://twitter.com/Confindustria

ABOUT GBC
Established in 2012, the Global Business Coalition (formerly known as the B20 Coalition), brings together leading independent business associations from the major world economies and advocates on behalf of more than 6.8 million small, medium and large companies. By providing a unique link between governments, relevant international institutions and business communities, the Global Business Coalition has become instrumental in representing the voice of enterprises within the G20 process and other major international fora.

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