
STOA workshop Reconversion of industrial areas

Participants' booklet

STOA WORKSHOP
PANEL FOR THE FUTURE OF SCIENCE AND TECHNOLOGY
Tuesday 26.02.2019 – 14:30-17:30
PAUL-HENRI SPAAK BUILDING – ROOM P7C050





RECONVERSION OF INDUSTRIAL AREAS
in the framework of regional policy

SPEAKERS
Ramón Luis VALCÁRCEL SISO, Vice-President of the European Parliament, responsible for STOA
Rosa D'AMATO, MEP - Committee on Regional Development
Gilles PARGNEAUX, MEP - Committee on the Environment, Public Health and Food Safety
Bronis ROPÉ, MEP - Committee on Regional Development
Paul RÜBIG, MEP, STOA

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Reconversion of industrial areas

in the framework of regional region

Participants' booklet

26 February 2019, 14:30-17:00

Paul-Henri Spaak Building, Room 7C050

European Parliament, Brussels

Prepared by Silvia Polidori and Riccardo Molinari, Scientific Foresight Unit (STOA)

Available at <http://www.europarl.europa.eu/stoa/en/events/upcoming/20190207WKS02181/reconversion-of-industrial-areas-in-the->

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1. Programme

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| 14.30-14.45 | Welcome |
| | <p>Ramón Luis VALCÁRCEL SISO, Vice-President of the European Parliament responsible for STOA</p> <p>Rosa D'AMATO, Member of the European Parliament, Committee on Regional Development</p> <p>Pirita LINDHOLM - Moderator - Director of the European Regions Research and Innovation Network</p> |
| 14.45-15.05 | Setting the scene: <i>Reconversion of industrial areas, an EU regional policy opportunity</i> |
| | Lorraine FARRELLY , Professor, Head of Architecture, University of Reading |
| 15.05-15.45 | Policy perspective: institutional strategies |
| | <p>Sander HAPPAERTS, Policy analyst, Directorate-General Regional and Urban Policy, European Commission</p> <p>Gerald MUSCAT, Head of Urban Development Division, Projects Directorate, European Investment Bank</p> <p>Gilles PARGNEAUX, Member of the European Parliament - Committee on the Environment, Public Health and Food Safety</p> <p>Bronis ROPÉ, Member of the European Parliament, Committee on Regional Development</p> |
| 15.45-16.00 | Q&A with the audience |
| 16.00-17.00 | Case studies from all over Europe |
| | <p>City of Bilbao (Spain): Jordan GUARDO, Senior Advisor to Bilbao Mayor's Office</p> <p>City of Gothenburg (Sweden): Catrine NORRGÅRD, Director of Gothenburg European Office</p> <p>City of L'Aquila (Italy): Fabio GRAZIOSI, Professor, University of L'Aquila</p> <p>City of Gdansk (Poland): Natalia WIENCKIEWICZ and Martyna BUKOWSKA, Managers at the Gdansk Economic Development Agency Ltd</p> <p>Ruhr Region (Germany): Michael SCHWARZE-RODRIGAN, EU Representative of the Regional Association Ruhr (RVR)</p> <p>City of Lille (France): Virginie RENAULT-CREDOZ, Director of the Mission "Third Industrial Revolution" at the Hauts-de-France Regional Council</p> |

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| 17.00-17.15 | Q&A with the audience |
| 17.15-17.30 | Conclusions |
| | <p>Rosa D'AMATO, Member of the European Parliament, REGI</p> <p>Paul RÜBIG, Member of the European Parliament, STOA First Vice-Chair</p> |

2. Introduction

Old-model industries, such as the coal and steel one, may well represent the symbol of the first European integration. Nowadays, however, our economy and life-style are becoming more circular and environmental friendly. This brings with it an industrial reconversion trend, driven by new business models, often based on new technologies, such as the digital ones.

How to properly convert old industrial areas in or close to towns into innovative and eco-friendly zones? How to make these areas attractive hubs for Small and Medium Enterprises (SMEs) operating in sustainable management of natural resources, modern energy solutions, and eco-efficient transport? And how is this incorporated in the EU's current and next regional development strategy?

Fifteen experts from twelve EU Member States, including five Members of the European Parliament (MEPs), representatives of other European institutions, universities and local authorities, are gathering to discuss the topic from various angles, highlighting the challenges and proposing solutions based on policy strategies, legislative proposals and concrete examples.

As mentioned in an [EPRS Briefing](#) on 'Harnessing globalisation for local and regional authorities - Challenges and possible solutions', global competition has affected various EU industries (e.g. coal, steel, iron, shipbuilding, automotive and textiles), so that they have had to downsize their activities. There are other challenges inherent to the topic of industrial transformation, such as the economic impact on the urban areas where the industry is located. SMEs may for instance depend on those big industries.

Demographic and employment issues are also involved. The long and expensive road to soil reclamation and general decontamination of the affected areas represents another challenge, addressing the environment. Adequate strategies need to be tailored to the specific EU areas, as not all EU urban regions have the same needs. In its [Reflection paper on harnessing globalisation](#), presented in July 2017 as part of a series of papers on the future of Europe, the European Commission stands for a holistic approach to facing globalisation, also empowering local and regional authorities in order to address the related challenges successfully.

In its 2016 resolution ([2015/2278\(INI\)](#)) on "Cohesion policy and Research and Innovation Strategies for Smart Specialisation" (rapporteur: Ramón Luis Valcárcel Siso, EPP, Spain), the Parliament shaped the current EU strategy and legislative framework 2014-2020 based on [smart specialisation](#) strategies. These support each region's existing capabilities and combine them with the activities of the local industries. According to a [Parliament study](#), the European cohesion policy has contributed to the rehabilitation and new development of industrial areas.

A [STOA Study](#) on 'New technologies and regional policy: Towards the next cohesion policy framework' also provides policy options to the legislator, in view of the adoption of the next regional policy legislation for the period 2021-2027. In particular, it highlights the role and potential of cohesion policy funding in planning and implementing urban innovation areas. A new generation of science parks can be built up in urban areas, thereby stimulating a wider constituency of entrepreneurs and businesses to innovate and grow.

On 29 May 2018 the Commission published a "[proposal for a regulation on the European Regional Development Fund \(ERDF\) and the Cohesion Fund \(CF\)](#)". The new Cohesion Policy is expected to focus on five policy objectives, including a Europe closer to citizens, with the support of locally-led development strategies and sustainable urban development.

One of the key investment priorities is industrial modernisation. There is also a shift towards investments which promote a low-carbon, circular economy and the fight against climate change. Fighting exclusion and supporting the integration of migrants are also high on the agenda.

As many of these challenges will be tackled in Europe's cities and metropolitan areas, the Commission proposes further strengthening the urban dimension of cohesion policy.

The EP Committee on Regional Development (REGI) as co-legislator adopted on 14 February 2019 the ERDF-CF report in the form of amendments to the Commission's proposal. Among the various points, the REGI Committee has reiterated its support to sustainable urban development, to smart specialisation and to transition to industry 4.0. The next stage in the EP will be to table this report for vote in plenary.

Besides the strategic and legislative framework, some of the most prominent European cases of mastering the industrial and economic reconversion will also be presented in this workshop by the actors involved. This workshop aims to show how a more eco and social-friendly approach to reconverting old-style industry in urban areas might trigger a new path of development in the European Union.

3. Speakers' biographies

3.1. Ramon Luis VALCÁRCEL



Ramón Luis Valcárcel Siso is Vice-President of the European Parliament in charge of, among other competences, its Information and Communication Policy, the Members' Research Service and the Panel for the Future of Science and Technology (STOA).

Prior to succeeding in the May 2014 elections as a Member for the European People's Party (EPP), he was President of the Committee of the Regions (the European Union's assembly of local and regional representatives that provides sub-national authorities with a direct voice within the EU's institutional framework). Mr Valcárcel Siso was also President of the Region of Murcia for almost 20 years (1995–2014), having won five consecutive elections with absolute majority. A graduate in Art History, prior to joining politics, he was a professor, museum curator and art critic.

3.2. Paul RÜBIG

Paul Rübig was elected as the STOA Chair for the first half of the European Parliament's 8th legislature and as First Vice-Chair for the second half of the 8th legislature.

Previously, he served as STOA Chair from 2009 to 2012 and as First Vice-Chair from 2012 to 2014.

Born in Northern Austria, Paul Rübig has been a member of the European Parliament since 1996 and belongs to the European People's Party (EPP). He is the owner of an Austrian blacksmith company and has a degree in Business Administration, Marketing and Production Engineering from the University of Linz, Upper Austria. He is married and has two children.



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Paul Rübig is a full member of the Committee on Industry, Research and Energy and of the Committee on Budgets. He is Vice-Chair of the Delegation for relations with the Korean Peninsula and substitute member of the Delegation for relations with Switzerland, Norway and of the EU-Iceland Joint Parliamentary Committee.

He is also a substitute member of the European Economic Area (EEA) Joint Parliamentary Committee. Furthermore, Paul Rübig is a substitute member in the Committee on Development. Paul Rübig is very active in the field of the small-scale business promotion.

He is president of SME Global, a working group of the International Democrat Union (IDU), whose objective it is to support small and medium-sized enterprises (SME) and to improve their business environment.

3.3. Rosa D'AMATO

Rosa D'Amato was born in Taranto in 1969. After graduating from the Liceo Scientifico G.Battaglini, driven by her passion for sport, she moved to Florence where she graduated in Sport Science.

Lover of physical activity and sport, member of environmentalist committees and associations, among which "Taranto Libera", engaged in the fight against pollution and citizens' awareness of the health and environmental issues.

She believes that an economic diversification and reconversion of industrial areas would provide a healthy environment in which to live, starting from people, their health, work and true vocations of the territory. With the Taranto LIDER committee, she obtained the adoption of a regional law on the protection of women with endometriosis, a chronic-degenerative autoimmune disease, caused by environmental factors such as endocrine disruptors (PCB and bisphenol A).

She is active in the defense of the environment, through requests for acts, press conferences, conferences, cultural events, sit-ins, and leaflets, addressed to the Public Prosecutor's Office to denounce, propose and demand transparency, participation and a sustainable future for the Ionian territory. Convinced that there is no more time, she decided to focus her energies and time on the institutions, to change the serious situation of her city and contribute to an alternative, sustainable and participatory future.

Elected to the European Parliament in 2014, in the South Italy constituency on the list of the 5 Star Movement.



3.4. Gilles PARGNEAUX



Born on 24 March 1957, Gilles Pargneaux is a French politician, Member of the European Parliament (MEP) since 2009. He is Vice-Chair of the Environment, Health and Food Safety Committee and member of the Foreign Affairs Committee, Budget and Control Committee as well as the Security and Defence sub-committee at the European Parliament.

Deeply involved in the international process to cope with climate change, he was the rapporteur of the own-initiative report of the EP on the COP 21: *"Towards an international agreement on Climate in Paris"*. It defined the EP position in view of the international climate negotiations that took place in Paris from 30 November to 11 December 2015. He has been rapporteur or shadow rapporteur on most of the climate-change-related files in the EP (COP23, implementation of COP21 in cities...).

Committed to the cooperation between the European Union, the Maghreb and the Mashrek countries, Gilles Pargneaux is president of the EU-Morocco friendship group as well as Vice-Chair of the delegation with Mashrek countries and a member of the Delegation for relations with the Maghreb countries and the Arab Maghreb Union.

3.5. Bronis ROPÉ



Bronis Ropé is an MEP of the Group of the Greens/European Free Alliance, Lithuania. He is member of the EP Committee on Agriculture and Rural Development and substitute member of the EP Committee on Regional Development.

In 1990, Bronis Ropé was appointed Deputy Governor of Ignalina district and Head of the Economic and Financial Department. In 1992-1995, he was Governor of Ignalina District and during the period of 2005-2014 Bronis Ropé held the office of Mayor of Ignalina District Municipality.

In 1997-2014 Bronis Ropé was also actively involved in the activities of the Association of Local Authorities in Lithuania: Vice-President (1997-2000), President (2000-2003), Vice-President (2003-2006) and Vice-President (2011-2014). At the same time (1997 - 2014), he was appointed as Secretary of the Lithuanian Delegation to the Congress of Local and Regional Authorities of the Council of Europe.

In 2014, Bronis Ropé was elected to the European Parliament as the representative of the Lithuanian Farmers and Greens Union (LVŽS). Currently he also holds the offices of Vice-Chair of the LVŽS and Chair of the party Bureau.

3.6. Pirita LINDHOLM

Pirita Lindholm has been the Director of ERRIN, the European Regions Research and Innovation Network, since September 2017.

ERRIN is a Brussels-based platform bringing together over 130 regional actors, with an aim to strengthen the regional and local dimension in the EU research and innovation policy and programmes. Pirita has over 15 years of experience working in several European organisations representing cities and regions in Brussels.

Before joining ERRIN, she was the Director of Climate Alliance's Brussels Office (2007-2017), where she developed policy recommendations and supervised a team working on European policy, projects and initiatives, such as the Covenant of Mayors.

She served as an expert in the European Commission H2020 Advisory Group on Energy (AGE) between 2013 and 2016, and actively contributed to the development of the research and innovation agenda. In the past, she also worked for the Council of European Municipalities and Regions (CEMR) (2002-2007).



3.7. Lorraine FARRELLY

Lorraine Farrelly is an Architect and Head of Architecture and Foundation Professor in Architecture at the University of Reading where she has set up the new School of Architecture.

This is a school, which has developed a teaching approach with an agenda informed by contemporary research in Urban Living, Regeneration of urban environments and quality of place making. She is a qualified architect and has worked regionally and in London on a range of architecture and master-planning projects.

She regularly chairs design review across the south and south coast, which comments and advises on design quality for architecture, master-planning and urban design strategic design projects. This process supports the planning system to develop the quality of our built environment.

She has written various books and academic papers across a range of topics including design quality, urban design, urban regeneration and representation in architecture. She has worked alongside local authorities to present ideas for regeneration of sites at a range of scales from individual buildings to areas of towns and cities – using these sites as places for experimentation research as part of university curriculum.

She works closely with the Royal Institute of British Architects (RIBA) as Chair of the new courses group to comment on the quality of course and curriculum content in architecture in both national and international contexts.



3.8. Sander HAPPAERTS



Sander Happaerts is a policy analyst on sustainable growth at the European Commission's Directorate-General Regional and Urban Policy. He is responsible for environmental and climate issues, and works with other Commission services to integrate environmental objectives into cohesion policy investments across the EU.

Sander is also a member of the Young Talent Network of ESPAS (European Strategy and Policy Analysis System), an inter-institutional EU project looking at medium and long-term trends facing or relating to the European Union.

Before joining the Commission in 2014, Sander worked as a research manager and lecturer on environmental policy and sustainability transitions at KU Leuven (Belgium). His PhD research on regional policies for sustainable development distinguished itself in the 2012 Thesis Competition of the European Committee of the Regions. With degrees in linguistics and international relations, Sander did an internship at the Belgian Permanent Representation to the UN in New York in 2006, where he followed Security Council affairs.

3.9. Gerald MUSCAT



Gerry heads the Urban Development Division of the European Investment Bank (EIB), where he is responsible for the appraisal of the Bank's urban development projects, advisory support for cities, and the Bank's policy approach in the sector.

He has worked most of his career in the urban sector, in consultancy, at European Bank for Reconstruction and Development (EBRD) as a senior banker in their municipal and environment team, in JASPERS – a project preparation facility for EU projects - and now at EIB. He has worked with projects in urban transport, water, solid waste, district heating, social infrastructure, and integrated urban renewal.

He leads EIB activity on the EU Urban Agenda and the New Urban Agenda, and has been instrumental in setting up the URBIS facility for urban investment support to EU cities. He also manages EIB project work on key urban themes such as Smart Cities, Urban Resilience and Urban Climate Action.

He was based for 9 years in Warsaw. His mother tongue is English, he is fluent in Polish, operational in French, and is learning Arabic. Gerry has degrees in Geography from Oxford and London Universities.

3.10. Jordan GUARDO

He works for the Mayor of Bilbao, the largest city in the Basque Country (Spain), in a special unit, where he is:

- Coordinator of 'Bilbao 2050', a long-term strategic plan for the city of Bilbao, coordinator of the 'Economic Advisory Board'.
- Responsible for the strategic plan 'Zorrotzaurre Urban Innovation District'.
- Director of the strategic plan 'Bilbao, University City', for the promotion of Bilbao as a training hub.
- Director of the 'Bilbao Creative Hub', a public-private partnership that fosters economic development through art and creativity, with particular regard for the creative industries.
- Director of several projects co-funded by the European Commission (EDUSI, Bilbao AS-Fabrik, In Focus).



He deals with a wide variety of topics, generally providing support to the Mayor and other Councilors with quantitative and qualitative analysis, collecting relevant data and expert advice, talking to potential investors, attracting funds to the city, coordinating projects that involve several municipal departments.

He is graduate in Business Management and Administration from the University of Deusto and in Industrial Engineering from the University of the Basque Country.

3.11. Catrine NORRGAED

Catrine Norrgard, Director, has been the representative of Gothenburg city and its key stakeholders (two science parks and Chalmers University of Technology) in Brussels since March 2018. The office monitors the legislative initiatives of the EU, promotes Gothenburg and its actors at the European level, and supports the development of strategic and long-term EU projects.

Norrgard has seven years' experience in EU legislative work in the European Commission, as well as in the European Parliament. She joined the European Commission in 2012, to work as adviser to commissioner Malmström when she was Commissioner of Home Affairs (2012-2014).

In the cabinet of the EU Trade Commissioner (2014-2018), Ms Norrgard was responsible for relations with the European Parliament, as well as mobility aspects of trade policy and trade with EFTA countries. Ms. Norrgard previously had worked as a legal adviser, as well as policy adviser in Gothenburg, where she dealt with issues related to environment and climate, and urban planning.



3.12. Fabio GRAZIOSI



Fabio Graziosi was born in L'Aquila, Italy, in 1968. He received a degree (cum laude) and the Ph.D. in electronic engineering from the University of L'Aquila, in 1993 and 1997, respectively.

He is with the Department of Information Engineering, Computer Science and Mathematics, University of L'Aquila, where he is currently a Full Professor. He is a member of the Scientific Committee of Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT). He is also the CEO of WEST Aquila s.r.l., a spin-off R&D company of the University of L'Aquila.

He is involved in major national and European research programmes in the field of wireless systems and he has been a reviewer for major technical journals and international conferences in communications.

He also serves as Technical Programme Committee member and Session Chairman of several international conferences in communications.

He is a member of IEEE and has authored over 200 papers in technical journals and conference proceedings. His current research interests are mainly focused on wireless communication systems with emphasis on IoT, spatial modulations, and cooperative communications.

Fabio Graziosi is the principal investigator of the INCIPICT project (www.incipict.univaq.it) and the coordinator for the University of L'Aquila of the 5G Trials in progress at the city of L'Aquila (2018-2021).

3.13. Natalia WIENCKIEWICZ



Natalia Wienckiewicz is a manager in the Analysis Department at Gdansk Economic Development Agency Ltd, a company that is focused on economic development of the City of Gdansk by offering a comprehensive support to investors at every stage. The scope of investGda activities includes commercialisation of investment areas, especially because of boosting reconversion of degraded urban areas.

Natalia leads advisory projects in the following sectors: maritime industry, waste management, innovation and education, leisure time industry. Her team is responsible for preparing and conducting strategic, financial and investment consultancy services based on comprehensive analyses of the market mainly, for the needs of local governments, municipal companies and commercial enterprises.

Throughout her career, Natalia has always focused on synergy between public and private sector that enhances a positive impact on the local community as well as enables sustainable economic development.

She holds a bachelor's degree in Spatial Planning from University of Gdansk, a master's degree in International Management from Gdansk University of Technology and a postgraduate diploma from SGH Warsaw School of Economics in the field of public-private partnership projects. As a member of Union of the Baltic Cities (UBC) Commissions: Smart and Prospering Cities and Planning Cities, she cooperates and exchanges experience and ideas between cities in the Baltic Sea Region. A unique network has been formed to share knowledge and deliver sustainable urban solutions.

Natalia is currently in charge of acquiring external funding for development of the Pomeranian Investment Centre dedicated to maritime and logistics.

3.14. Martyna BUKOWSKA

Martyna Bukowska is a Project Manager at Gdansk Economic Development Agency Ltd (InvestGda). She coordinates the Advisory Department with projects that encourage potential investors to engage in various business projects in the city of Gdansk.

InvestGda was founded in 2008, as a municipal enterprise to comprehensively support investors at every stage of their business operations mainly through developing postindustrial sites and working with the local business.

As a project manager Martyna is responsible for implementation of so-called "difficult projects" connected with the development of the Greenfield site, restructuring of public facilities, planning and implementing new investment projects. Her team prepare feasibility studies, location studies, legal analysis, strategies and business forecasts.



Martyna is involved in the implementation of the City Development Strategy "Gdańsk 2030 Plus". She is coordinating activities related to the deployment and evaluation of the Operational Programme of Investment Attractiveness. Her projects relate to innovative and eco-friendly solutions for land management and spatial planning.

Martyna majored in sociology at Nicolaus Copernicus University, financial management in SGW Warsaw School of Economic and management of development projects at the University of Gdansk. She is the Vice-President of the non-profit organisation Center of Civic Initiatives and Member of the Board in Insur Invest Ltd.

3.15. Michael SCHWARZE-RODRIAN

Michael Schwarze-Rodrian, born 1955 in Berlin, has studied Landscape Planning at the *Technical University Berlin (TUB)* in the 1970s. He was scientific assistant at the *Institute of Landscape Economy at TUB* from 1980 to 1985. His research topic was *Protection of soil as a new field of Federal Environmental Policy* in Germany.

In the mid-1980s, he came to the Ruhr region. In the 1990s, he moderated the *Emscher Landscape Park (ELP)* in co-operation with the *International Building Exhibition (IBA) Emscher Park*.

From 1997 to 2000 he was head of the *Regional Development Department* of the *Kommunalverband Ruhr* (KVR = Association of towns and counties Ruhr). From 2001 to 2006, he worked for the state-run *Projekt Ruhr GmbH* in North Rhine-Westphalia and was responsible for the "*Masterplan Emscher Landscape Park 2010*" – in cooperation with 20 cities and several regional agencies.

From 2007 to 2011, he has been working for the regional *Business Development Agency metropole Ruhr GmbH* and stimulated the cities at the Ruhr for sustainable development.

With the inter-municipal working groups of '*Concept Ruhr*', '*Chance of Change*' or the '*Knowledge Report Ruhr*' he supported the upcoming Metropolis Ruhr. Since 2012, Michael Schwarze-Rodrian has been the EU Representative of the *Ruhr Regional Association (RVR)*. He moderates regional networks for an attractive approach of Metropolis Ruhr to Europe. Michael Schwarze-Rodrian has a great experience with integrated strategies, project management, and regional, inter-local and local moderation in the context of sustainable urban and regional development.

His current interests are focussed on the integration and bundling of several spatial, environmental and economic strategies under the label '*Green Infrastructure Ruhr*'.



3.16. Virginie RENAULT- CREDOZ



Virginie Renault-credoz has been Director of the Mission '*Third Industrial Revolution*' at the Hauts-de-France Regional Council (France) since October 2016.

After a first experience in the private sector (metallurgy and recruitment consultancy), she arrived at the Regional Council of Picardy. She became head of the department responsible for public procurement training, engineering, evaluation and control of training.

At the same time, she was appointed project manager for two big projects about training and wind industry. She is a graduate of the Technical Business College and has a double executive master as "executive manager" and in "management of the cities and territories" from the ESSEC (Graduate School of Economic and Commercial Sciences).

4. About STOA

4.1. Mission

The Panel for the Future of Science and Technology (STOA) forms an integral part of the structure of the European Parliament. Launched in 1987, STOA is tasked with identifying and independently assessing the impact of new and emerging science and technologies.

The goal of its work is to assist, with independent information, the Members of the European Parliament (MEPs) in developing options for long-term, strategic policy-making.

The STOA Panel

The STOA Panel consists of 25 MEPs nominated from the nine permanent parliamentary committees: AGRI (Agriculture & Rural Development), CULT (Culture & Education), EMPL (Employment & Social Affairs), ENVI (Environment, Public Health & Food Safety), IMCO (Internal Market & Consumer Protection), ITRE (Industry, Research & Energy), JURI (Legal Affairs), LIBE (Civil Liberties, Justice and Home Affairs) and TRAN (Transport & Tourism).

Ramón Luis VALCÁRCEL SISO MEP is the European Parliament Vice-President responsible for STOA for the second half of the 8th legislature. The STOA Chair for the second half of the 8th legislature is Eva KAILI with Paul RÜBIG and Evžen TOŠENOVSKÝ elected as 1st and 2nd Vice-Chairs respectively.

The STOA approach

STOA fulfils its mission primarily by carrying out science-based projects. Whilst undertaking these projects, STOA assesses the widest possible range of options to support evidence-based policy decisions. A typical project investigates the impacts of both existing and emerging technology options and presents these in the form of studies and options briefs. These are publicly available for download via the STOA website: www.europarl.europa.eu/stoa/. Some of STOA's projects explore the long-term impacts of future techno-scientific trends, with the aim to support MEPs in anticipating the consequences of developments in science. Alongside its production of 'hard information', STOA communicates its findings to the European Parliament by organising public events throughout the year. STOA also runs the MEP-Scientist Pairing Scheme aimed at promoting mutual understanding and facilitating the establishment of lasting links between the scientific and policy-making communities.

Focus areas

STOA activities and products are varied and are designed to cover as wide a range of scientific and technological topics as possible, such as nano-safety, e-Democracy, bio-engineering, assistive technologies for people with disabilities, waste management, cybersecurity, smart energy grids, responsible research & innovation, sustainable agriculture and health.

They are grouped in five broad focus areas: eco-efficient transport and modern energy solutions; sustainable management of natural resources; potential and challenges of the Internet; health and life sciences; science policy, communication and global networking.

ESMH

The European Science-Media Hub (ESMH), operating under the political responsibility of the STOA Panel, is a new platform to promote networking, training and knowledge sharing between the European Parliament, the scientific community and the media. The ESMH creates a network among

policy-makers, scientists and media involving science, academia, educational and research entities, professional associations of journalists and scientists.

For journalists and media representatives, the ESMH organises training and workshops on current technological developments, both as subjects of their reporting and as means of facilitating their work. Via media monitoring and media intelligence tools, the ESMH follows the most popular topics in the field of science and technology on different platforms including magazines, newspapers and social media.

The ESMH will make information available to journalists, other media and citizens about new scientific developments, as well as about scientific topics that attract media attention and promote information based on evidence.

4.2. STOA Bureau



Ramón Luis VALCÁRCEL SISO
(EPP, ES)
EP Vice-President responsible for STOA

Eva KAILI (S&D, EL)
Chair of STOA

Committee on Industry, Research and Energy
(ITRE)



Paul RÜBIG (EPP, AT)
First Vice-Chair of STOA











Committee on Industry, Research and Energy
(ITRE)












Evžen TOŠENOVSKÝ (ECR, CZ)
Second Vice-Chair of STOA

Committee on Industry, Research and Energy
(ITRE)



4.3. STOA Panel members

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|  <p>Tiziana BEGHIN (EFDD, IT)</p> <p><i>EMPL Committee</i></p> |  <p>Michał BONI (EPP, PL)</p> <p><i>LIBE Committee</i></p> |
| <p>Renata BRIANO (S&D, IT)</p> <p><i>ENVI Committee</i></p>  | <p>Carlos COELHO (PPE, PT)</p> <p><i>IMCO Committee</i></p>  |
|  <p>Mady DELVAUX (S&D, LU)</p> <p><i>JURI Committee</i></p> |  <p>Christian EHLER (EPP, DE)</p> <p><i>ITRE Committee</i></p> |
| <p>Maria Teresa GIMÉNEZ BARBAT (ADLE, ES)</p> <p><i>CULT Committee</i></p>  | <p>Andrzej GRZYB (EPP, PL)</p> <p><i>ENVI Committee</i></p>  |
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| <p>Bogusław LIBERADZKI (S&D, PL)</p> <p>TRAN Committee</p>  | <p>Anthea McINTYRE (ECR, UK)</p> <p>AGRI Committee</p>  |
|  <p>Momchil NEKOV (S&D, BG)</p> <p>AGRI Committee</p> |  <p>Marijana PETIR (EPP, HR)</p> <p>AGRI Committee</p> |
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| <p>Neoklis SYLIKOTIS (GUE/NGL, CY)</p> <p>ITRE Committee</p>  | <p>Anneleen VAN BOSSUYT (ECR, BE)</p> <p>IMCO Committee</p>  |
|  <p>Kosma ZŁOTOWSKI (ECR, PL)</p> <p>TRAN Committee</p> | <p>Parliamentary Committees: AGRI: Agriculture and Rural Development CULT: Culture and Education EMPL: Employment and Social Affairs ENVI: Environment, Public Health and Food Safety IMCO: Internal Market and Consumer Protection ITRE: Industry, Research and Energy JURI: Legal Affairs TRAN: Transport and Tourism</p> |

4.4. STOA Administration

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