
Question 3/1 and Question 4/1 joint workshop on the Economic Impact of OTTs on National Telecommunication/ICT Markets

SPEAKER BIOS

OPENING SESSION

Mr Nasser Kettani, Rapporteur for Question 3/1, Microsoft Corporation (United States of America)

Mr Arseny Plossky, Rapporteur for Question 4/1, Radio Research & Development Institute (NIIR)(Russian Federation)

SESSION 1: OTTS AND NETWORK INFRASTRUCTURE

Moderator: Prof Emanuele Giovannetti, Vice-Rapporteur for Question 4/1, Anglia Ruskin University, Cambridge (United Kingdom)



Emanuele Giovannetti is Professor in the Faculty of Business and Law, School of Economics, Finance and Law, Anglia Ruskin University and Senior Fellow of Hughes Hall, University of Cambridge. Emanuele is studying the Economics of Internet, of Innovation Ecosystems and Crowdfunding. He advises the International Telecommunication Union, the United Agency specialised on Information and communication Technologies. Before joining Anglia Ruskin University, Emanuele was Economic Advisor for the Chief Economist at the Office of Fair Trading, where he drafted the UK contribution to the revision of the EU vertical agreement regulations. He was also Associate Professor in Economics, University of Cape Town and University of Verona. Emanuele also worked for seven years at the University of Cambridge. When he left he was Senior Research Associate and Project Coordinator of the EU-IST FP7 CoCombine project on the economics of the Internet. Emanuele published on Industrial Organization on many top academic journals, including: The Economic Journal, The Journal of Industrial Economics, the International Economic Review, the International Journal of Industrial Organization and the International Journal of Forecasting, Technological Forecasting and Social Change.

SESSION 1: Panellists:

Mr Jorge Martinez, Vice-Rapporteur for Question 4/1, Axon Partners Group Consulting (Spain)




Mr Richard Morgan, Analysys Mason Limited (United Kingdom)

Mr David Geary, Digicel (Jamaica)

Mr Robert Pepper, Facebook (United States of America)



Jorge Martinez, Principal at Axon Consulting, Axon Consulting in 2009. He has over 10 year of international experience in consulting and operations in the ICT sector and has played a pivotal role in several advisory engagements in Europe, Americas, Middle East and Africa regions. As expert in telecom networks and operations, he has provided support to international organisations, NRAs and operators worldwide. Jorge has played a pivotal role during the last 10 years in several engagements related to regulatory cost modelling in Europe and other regions of the world. He has provided support to a large number of NRAs and operators worldwide, having an extensive track record in the implementation of regulatory costing tools and operations profitability monitoring tools. Jorge holds an MSc in Telecommunication Engineering from the University of Zaragoza (Spain), graduating with Honours, and he received Telefonica's Best Telecommunication Engineer Award (2010 class). Jorge speaks fluently Spanish and English.]

	<p>Richard Morgan is a Principal with Analysys Mason, where he has worked as a consultant for over 13 years. He specialises in telecommunications infrastructure, advising clients on commercial, technical and policy-related issues, and developing strategies to extend and improve connectivity. He led a recent study, commissioned by Google, which examined the investments that OTTs are making in digital infrastructure, including data centres, submarine cables, terrestrial fibre, peering infrastructure and content delivery networks. He will present the key findings from this study during his presentation.</p>
	<p>David Geary is General Counsel Caribbean & Central America for the Digicel Group. He joined Digicel in the South Pacific in 2010 and moved to the Caribbean in 2013. David is admitted as a solicitor in Ireland and in England & Wales and previously practiced anti-trust and regulatory law with major law firms in Sydney, Brussels and Dublin. He is a graduate of the European University Institute and the University of Limerick and currently sits on the GSMA Chief Policy and Regulatory Officers Group for Latin America. He is the author of various publications and is a regular contributor to discussions on the digital economy in the Caribbean region.</p>
	<p>Robert Pepper. Head of Global Connectivity Policy and Planning Facebook. Dr. Robert Pepper helps lead Facebook’s connectivity and technology policy activities focusing on infrastructure and connectivity including new technology development, deployment and adoption. In this role, he works with policymakers and industry players to develop strategies to make the Internet more inclusive. Pepper previously was Cisco’s Vice President for Global Technology Policy helping governments develop national digital strategies, address wireless and spectrum policy, the Internet of Things, security, privacy and Internet governance. Pepper was Chief of the Office of Plans and Policy and Chief of Policy Development at the FCC for 16 years beginning in 1989 where he led teams designing and implementing the first U.S. spectrum auctions, developing policies promoting the development of the Internet, implementing telecommunications legislation, and planning for the transition to digital television. His academic appointments included faculty positions at the Universities of Iowa, Indiana, and Pennsylvania, and as a research affiliate at Harvard University. He is a member of the Board of Trustees of the Internet Society and the board of the U.S. Telecommunications Training Institute. He has chaired the U.S. Department of State’s Advisory Committee on International Communications and Information Policy and has served on the U.S. Department of Commerce’s Spectrum Management Advisory Committee and the UK’s OFCOM Spectrum Advisory Board. Pepper received his BA. and Ph.D. from the University of Wisconsin-Madison.</p>

SESSION 2: MODERNIZING COMMUNICATIONS REGULATORY FRAMEWORKS

Moderator: Mr Geraldo Neto, Vice-Rapporteur for Question 3/1, Telecommunications Management Group Inc. (United States of America)



Geraldo Neto, Senior Technical and Policy Advisor, Telecommunications Management Group, Inc. Mr. Neto, an engineer with more than 10 years of experience working in the telecommunications sector, is based in Geneva, Switzerland. He has extensive technical and regulatory expertise in broadband, convergence, mobile technologies, spectrum management and interference, television broadcasting, international telecommunications regulatory framework, the Internet of things (IoT), and over-the-top (OTT) services. Mr. Neto actively participates in ITU and CITELE meetings, representing companies at different study groups and committees on issues related to mobile services, spectrum, OTT services, and ICT technologies. He holds different leadership roles in both organizations, including the chairmanship of one of the working groups of Task Group (TG) 5/1, responsible for studying new spectrum identification for mobile broadband for the 2019 World Radiocommunication Conference (WRC-19); chairman of Sub-Working Group on audiovisual content over international mobile telecommunications (IMT) in ITU-R WP 5D; and rapporteur on the New Technologies and Trends group in CITELE PCC.I. He participates in ITU-T SG3, engaging on preparation of contributions and on the discussions of the question dealing with regulatory impacts of OTT services.

Mr. Neto holds a Master of Embedded Electrical and Computers Systems degree from San Francisco State University (SFSU), and a Bachelor of Electrical Engineering degree from the Federal University of Rio Grande do Sul (UFRGS), in Brazil. He is fluent in English, Portuguese and Spanish.

SESSION 2: Panellists:

Mr Jeremy Godfrey, Chairman of BEREC and Commissioner of Commission for Communications Regulation (ComReg)(Ireland)

Ms Archana Gulati, Department of Telecommunications (DOT), Ministry of Communications (India) (paper only)

Mr Steve Unger, Flint (United Kingdom)

Prof H. Sama Nwana, Cenerva (United Kingdom)



Jeremy Godfrey joined the Commission for Communications Regulation (ComReg) as Commissioner in 2013 and was Chairperson of the Commission from February 2015 to February 2017. He is Chair of the Body of European Regulators for Electronic Communications (BEREC) for 2019.

Jeremy has almost thirty years' experience in the ICT sector, as an industry executive, business consultant and Government official.

Prior to joining ComReg, he was Government Chief Information Officer in Hong Kong. In this role, he had responsibility both for Government IT and for IT-policy issues such as digital inclusion, Internet governance and the promotion of inward investment in the IT sector.

Jeremy began his career in the UK's Department of Trade and Industry, serving as private secretary to the Cabinet Minister as well as in a variety of other roles. He then spent ten years in the Cable & Wireless Group, in Hong Kong and in the UK, mainly in strategy, marketing and regulatory roles – including Director of Strategy and Director of Marketing for Hong Kong Telecom.

Between 1998 and 2008, Jeremy worked for PA Consulting Group where he was a partner in the Hong Kong office, serving clients in the communications, transportation, financial services and government sectors. Projects that he led included major change initiatives, business start-up projects, and due diligence assignments. He worked in around a dozen markets in Asia and the Pacific.

Jeremy was born and educated in the UK. He has a Master of Arts from Cambridge University, where he studied mathematics. He was based in Hong Kong for twenty years before coming to Ireland to join ComReg.



Steve Unger advises clients on complex regulatory and policy developments and supports clients on competition matters, including major transactions. He works across a broad range of sectors. Steve was until recently a Board member of Ofcom. He had various responsibilities, including setting regulatory strategy for the UK, representing the UK in international negotiations, and leading Ofcom's technology programme. He was Acting Chief Executive before the arrival of Sharon White. Steve has served as vice-chair of BEREK (the body which brings together all European regulators of electronic communications). He is currently a board member of the International Institute of Communications. Before becoming a regulator Steve spent several years in the private sector. He worked for a variety of "Silicon Fen" start-ups whose focus was the commercial exploitation of new wireless technologies. More recently he was a board member for Cambridge Wireless and in 2018 he organised its annual technology conference: this looked at the use of AI by communications networks, posing the question 'Can Networks Think?'

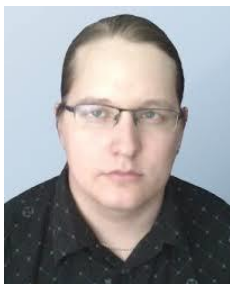


Sama Nwana is Managing Partner of Cenerva Ltd, a boutique consultancy on all TMT regulatory across emerging markets based in London. He is a regular speaker across Africa, Europe and Asia – and has consulted for the likes of Facebook, Microsoft and MTN. Being African, he is passionate about connecting Africa's and ASEAN's millions of unconnected through a combination of entrepreneurial, commercial, regulatory and policy instruments.

Nwana was Group Director of Spectrum Policy at Ofcom (the esteemed UK converged TMT regulator), where he ran UK's Spectrum Policy. Nwana oversaw the UK 4G auction as well as the implementation of the UK Digital Switchover Policy programme. He was CEO of the Dynamic Spectrum Alliance (2014-16). He was MD/DG at Arqiva (2005-09) and prior was MD/DG at Quadriga Worldwide Ltd (2001-2004). He was also an VC investor for a short time and is a lapsed university academic too. He was Senior Manager at BT plc. He is Visiting Professor at the University of Bristol (UK), American University of Nigeria (AUN) and other higher institutes. Nwana has published an authoritative book entitled Telecommunications, Media & Technology (TMT) for Emerging Economies: How to make TMT Improve Developing Economies for the 2020s – published in April 2014. His company Cenerva Ltd recently acquired Interconnect Communications (ICC) Training/TRMC (Telecoms Regulatory Master Class) assets which are based in Bath UK – the Bath ICC TRMC- See www.icc-uk.com. Prof Nwana and Cenerva are trusted trainers of Regulators across the globe.

SESSION 3: OTT AND MNO RELATIONSHIPS

Moderator: Mr Arseny Plossky, Rapporteur for Question 4/1, Radio Research & Development Institute (NIIR)(Russian Federation)






Arseny Plossky is the Rapporteur for Question 4/1 and is the Deputy Head of Laboratory on ICT Development and Implementation at the Radio Research & Development Institute (NIIR)(Russian Federation). He graduated from the Moscow Technical University of Communication and Informatics in 2009 as economist-manager in telecommunications. Completed post-graduate education in the Moscow Technical University of Communication and Informatics in the field of spectrum management.

He has extensive experience from work in ITU. ITU Radiocommunication sector (ITU-R): In 2016-2017 as a Rapporteur of ITU-R Working party 1B (ITU-R WP 1B) Rapporteur Group on Regulatory tools, Arseny Plossky headed the work on preparation of the new Report ITU-R SM.2404-0 - Regulatory tools to support enhanced shared use of the spectrum. This Report was approved on the meeting of ITU-R SG 1 in June 2017. Currently Arseny Plossky is ITU-R SG 1 Rapporteur on liaison with Coordination Committee for Vocabulary (CCV). Also Arseny Plossky prepared some contributions of the Russian Federation for the meetings of ITU-R SG 1 and WP 1B; ITU Telecommunication standardization sector (ITU-T) – Study group 3 (ITU-T SG 3). Arseny Plossky prepared some contributions of the Russian Federation for the meetings of ITU-T SG 3; ITU Telecommunication development sector (ITU-D) – Telecommunication Development Advisory Group (TDAG), Study groups 1 and 2 (ITU-D SG 1 and SG 2). Since 2016 – Vice-rapporteur on Question 8/1 of ITU-D SG 1. Also in 2014-2016 Arseny Plossky prepared some contributions of the Russian Federation for the meetings of TDAG and ITU-D SG 1 and SG 2.

SESSION 3: Panellists:

Dr Christoph Stork, Research ICT Solutions (RIS)(Canada)

Ms Aminata Drame Thiam, Orange-Sonatel (Senegal)
 Mr Michael Blanche, Google (United States of America)
 Ms Imme Philbeck, SAMENA Telecommunications Council

	<p>Christoph Stork is a telecommunication expert that specialises in applied, innovative solutions to connect everyone to the Internet and e-services. Dr. Stork designed and managed nationally representative Household ICT surveys across up to 18 African countries simultaneously for Research ICT Africa and developed innovative methodology to survey informal business in a way that delivers nationally insights.</p> <p>He developed a regulatory portal that transforms data submitted by operators into actionable information and an ICT ecosystem benchmarking tool that allows an analyst to benchmark affordability, access, usage, infrastructure and competition against another country, or set of countries.</p> <p>Dr Stork helped to transform the Namibian ICT sector. He was instrumental in the establishment of Namibia's new regulatory authority, CRAN, resolved a termination rate dispute that led to a 70% reduction in mobile termination rates over 18 months and developed a price cap regulation to remove club effects.</p>
	<p>Aminata Drame, Directrice Afrique Subsaharienne d'OINIS, Orange Network Infrastructures and Services, Groupe Orange.</p> <p>Mathématicienne de formation, Aminata DRAME exerce depuis bientôt 20 ans dans le domaine des études statistiques et plus particulièrement dans le monde des télécommunications.</p> <p>Elle occupe depuis septembre 2019 le poste Directrice Afrique Subsaharienne d'OINIS (Orange Network Infrastructures and Services) au sein du Groupe Orange.</p> <p>Elle a rejoint le groupe SONATEL-ORANGE en 2003 au Mali d'abord comme responsable qualité de service ensuite comme chef de la division études, marketing stratégique et veille technologique et concurrentielle.</p> <p>En 2010, elle rentre au Sénégal où, après un an en tant wholesale finance controller, elle devient à partir de mars 2011, le Chef département du marketing wholesale à la direction des opérateurs et des relations internationales de SONATEL.</p> <p>De 2017 à 2019, Mme Dramé a occupé le poste de directrice de l'expérience client à Orange Guinée puis directrice du Wholesale. Elle avait en charge, le pilotage des tarifs, la conception et le développement des produits et services destinés aux opérateurs nationaux et internationaux et d'assurer l'adaptation des activités de SONATEL à la réglementation internationale et nationale en vigueur.</p> <p>Mme Drame a une bonne connaissance de l'environnement réglementaire en Afrique. Elle est membre du groupe des experts en tarification de la conférence des télécommunications ouest africaines (CTOA) et de la conférence des opérateurs et fournisseurs de services de télécommunications (COFTEL) et participe activement aux travaux du SGR3-AFR depuis 2010. Elle est rapporteur du groupe de travail sur L' IIC avec le supplément 2 à la recommandation D.50 (recommandation sur la connectivité internet et internationale) approuvée en 2013. La recommandation D52 sur la mise en place des IXP (Internet Exchange Point) également approuvée lors de l'Assemblée mondiale de Normalisation des télécommunications en 2016 (AMNT16) à Hammamet. Mme Dramé est vice présente de la Commission d'études 3 de L' UIT depuis 2016.</p>
	<p>Michael Blanche is the Head of Telecoms Strategic Relationships EMEA at Google - leading Google's relationships with our key telecoms partners, across all of Google's businesses. He works at C-level with operators, vendors, and industry organisations, leading the development of partnerships to build value for both Google and our industry partners.</p> <p>He has 25 years experience as an executive and entrepreneur in various aspects of the Internet infrastructure and telecoms industries. Mike holds an MA in Engineering and Computer Science from Cambridge University, and an MBA from Warwick Business School.</p>



Imme Philbeck is an ICT/Telecommunications-, regulatory- and competition expert with more than 18 years of international experience, working for and with operators, regulators, international institutions, ministries, and governments. Imme's expertise is centered on evolving digital ecosystems and the digital value chain and their related commercial and regulatory challenges, in particular as pertains to emerging technologies including 5G, AI, virtualization and big data. Working on different sides of the market has enabled Imme to gain deep insights and learn about the needs and requirements of different ICT stakeholders and achieve better outcomes in multi-stakeholder negotiations.

SESSION 4: SOCIAL AND ECONOMIC IMPACT OF OTTS

Moderator: Mr Nasser Kettani, Rapporteur for Q3/1, Microsoft Corporation (United States of America)



Nasser Kettani, a graduate of Orsay University, in Computer Engineering and Cognitive Sciences, is an international expert, consultant, lecturer, teacher and author in information technology with over 33 years of experience in computer science and the software industry in particular. He has worked for leading IT companies in several countries in Europe, Middle East and Africa. He is the CEO and founder of KDC (Kettani Digital Consulting). Before starting his own consulting business in Digital Transformation and co-founding Hidden Clouders, Nasser Kettani spent 13 years with Microsoft Corporation in various roles, including Director General for North Africa and Director General and Chief Technology Officer for the Middle East and Africa (MEA) in charge of digital transformation, modern technologies such as the Cloud, and industrial and governmental relations for the development and promotion of policies, regulations, and standards in ICT. Nasser Kettani advises private and public sector institutions in their quest for digital transformation by evaluating the impact of major technological changes on their business and by helping them build strategies and roadmaps that enable them to make the most of these major innovations. Nasser also advises governments on technology policy and regulations.

Nasser's areas of expertise cover, among other things, Cloud Computing, Artificial Intelligence, Big Data, CyberSecurity, Data Privacy, Accessibility, Innovation, e-government, Smart-Cities, E-Education, Internet Governance.

Nasser Kettani is the Rapporteur of the ITU-D Study Group on "access to emerging technologies such as Cloud Computing, OTT and M-Services for developing countries ». Nasser has extensive experience in the development of international standards. He has written many articles and a book on software design and modeling "from Merise to UML". He has been a lecturer on best software development practices at Dauphine University, Paris France, EM Lyon Casablanca, and has delivered hundreds of lectures to ICT conferences around the world.

SESSION 4: Panellists:

Ms Regina Fleur Assoumou-Bessou, Chairman, ITU-D Study Group 1

Mr Kakou Bi Djè Kanvoli, Autorité de Régulation des Télécommunications/TIC de Côte d'Ivoire (ARTCI), Côte d'Ivoire




Mr Talent Munyaradzi, Vice-Rapporteur for Question 4/1, Zimbabwe

Mr Dhanaraj Thakur, Research Director, World Wide Web Foundation and Alliance for Affordable Internet

Dr Fabro Steibel, Instituto de Tecnologia & Sociedade do Rio de Janeiro (Brazil)



Regina Fleur Assoumou-Bessou est diplômée des sciences juridiques, administratives et fiscales et travaille dans le secteur des télécommunications/TIC. Elle occupe actuellement le poste de Chef de Département de l'International à l'Autorité de Régulation des Télécommunications/TIC et de la Poste de Côte d'Ivoire (ARTCI). Mme Bessou est aujourd'hui la Présidente de la Commission d'études 1 du secteur de développement de l'UIT, élue à l'occasion de la Conférence Mondiale de Développement des Télécommunications 2017 (CMDT-17) 2017. Elle a commencé à participer aux travaux du BDT depuis 2004 et a occupé respectivement, le poste de Vice-présidente de la Commission d'Études 1 pendant (2010 à 2017), après avoir également assuré de 2004 à 2010 les fonctions de Rapporteur et vice-rapporteur pour plusieurs questions au sein des deux Commissions d'études 1 et 2. Mme Bessou est la première africaine à ce poste, et également au sein du Groupe consultatif de développement des Télécommunications (GCDT) qui sont 2 instances statutaires de l'UIT-D.

	<p>Kakou Bi Djè Kanvoli</p>
	<p>Talent Munyaradzi is an Economics and Financial Analyst at the Postal and Telecommunications Regulatory Authority of Zimbabwe (POTRAZ). He has over 10 years in the ICT sector regulation focusing on market analysis, policy analysis, consumer protection as well as tariff and competition regulation. He is also a Vice Rapporteur for ITU – D Study Group 1 Question 4 on Economic policies and methods of determining the costs of services related to national telecommunication/ICT networks. He holds a Master’s Degree in Economics, a Bachelor of Science Degree in Economics both from the University of Zimbabwe as well as a Master’s Degree in Strategic Management from Chinhoyi University of Technology (Zimbabwe).</p>
	<p>Dhanaraj Thakur is Research Director at the Web Foundation and the Alliance for Affordable Internet, where he leads policy research on broadband affordability, gender equity in Internet access and use, and data protection and openness; with an emphasis on low and middle income countries. He has published over 35 peer reviewed journal articles, book chapters, and policy briefs, among other publications. Dhanaraj previously held a faculty position in political science at the University of the West Indies (Mona, Jamaica). A former Fulbright scholar, he holds a PhD in Public Policy from the Georgia Institute of Technology (USA), and is a graduate of the London School of Economics, and the University of West Indies.</p>
	<p>Dr Fabro Steibel, Instituto de Tecnologia & Sociedade do Rio de Janeiro (Brazil) Fabro Steibel is a Pos-doc, affiliated with the Berkman Klein Center at Harvard University, and a member of the Global Council of the World Economic Forum. He is an Independent Researcher (IRM) at the Open Government Partnership in Brazil, a fellow in open government by the Organization of American States, a postdoctoral fellow at the United Nations University, and a visiting researcher at the University of California San Diego. Fabro is the executive director of ITS Rio.</p>