



## ***The Climate-Security Nexus***

### **Implications for the Military**

**- Installations – Operations – Personnel -**

### **European Economic and Social Committee**

Rue Belliard 99, 1000 Brussels

**24 October 2019**

### **MODERATORS & SPEAKERS**

**Richard Brewin**, *International Capability Development & Sustainability Fellow, Ministry of Defence, UK / Former Project Officer, Energy & Environment Systems / Former Chair Energy and Environment Working Group, European Defence Agency (EDA)*



Richard Brewin is a chartered scientist and UK Ministry of Defence Specialist Fellow with a twenty year management career established in development and implementation of high-level Government policy at UK and international levels including leadership on defence / security strategy and military equipment capability delivery, interfaces with the Defence Industrial & Technological base and international supply chains, other militaries, the European Defence Agency (UK specialist representative on energy and environment), and NATO; programme and change management; research and development programme management; procurement; finance; training and development; and consultancy.

**Esra Buttanri**, *Senior Sustainable Development Adviser, Office of the Coordinator of OSCE Economic and Environmental Activities (OCEEA), Organization for Security and Co-operation in Europe (OSCE)*



Esra Buttanri has over 25 years of experience in sustainable development, environment, climate change, and good governance fields mostly devoted to managing technical co-operation activities as well as supporting policy making and implementation. Over the years, she has acquired the skills and experience for strategic & policy planning, results-based management, fundraising & partnerships, and leadership & team management.

Starting with the 1992 Rio Conference, she has been actively engaged in and contributed to several regional and global processes on environment and sustainable development, including the implementation of various multilateral environmental agreements, including the Paris Climate Agreement, and the 2030 Agenda for Sustainable Development, the Sendai Framework for Disaster Risk Reduction, and the New Urban Agenda.

Since 2007, at the OSCE, she has been supporting non-military confidence-building measures and conflict prevention activities in the environmental field through a broad portfolio of projects in the areas of climate change and security, natural resources management, disaster risk reduction, transboundary water co-operation, hazardous waste management, green economy and good environmental governance.



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Federal Department of Foreign Affairs FDFA

**Céline Charveriat, Executive Director, Institute for European Environmental Policy (IEEP)**



A gifted researcher and passionate advocate, Céline Charveriat has over 15 years' of experience in influencing debates, policies, and practices in the field of sustainable development and climate change. She is the Executive Director at IEEP since 2016.

Céline Charveriat began her career in Washington DC as a researcher at the Peterson Institute and the Inter-American Development Bank. She worked for over 10 years with Oxfam International. She first represented the agency at the WTO and managed its Make Trade Fair campaign, including its landmark advocacy on agricultural export subsidies and domestic support. Her distinctive contribution in this field was highlighted by former Brazilian Foreign Affairs Minister Celso Amorim in his personal memoirs. In 2011, she became Oxfam's Director of Advocacy and Campaigns, based in Brussels, where focusing her high-level representation duties on the issue of European climate change policy and COP21. Céline Charveriat was recently named by Euractiv as the 30th most influential person on EU's Energy Union policy.

A French National, she was based in multiple countries, including in the United States, the UK, Switzerland, Australia and now Belgium, and has a rich experience of working together with civil society, governments and the private sector in Africa, Asia and Latin America on multiple issues such as trade, climate change to primary commodities and supply chains.

Under her leadership, Oxfam expanded its worldwide influencing network, most recently with the opening of a China-Africa platform in Addis Ababa. Oxfam also successfully reframed the terms of the debate on the issue of inequality, with its signature fact of "62 people owning as much as the poorest half of the world's population". Finally, Oxfam became the third most influential NGO in the area of climate change according to a 2015 poll of sustainability analysts (Globescan).

Céline Charveriat is currently the Chair of the Board of the Climate Action Network in Europe.

**Dirk Dubois, Head, European Security and Defence College (ESDC)**



At the age of 18, Dirk Dubois joins the Belgian Army in 1981. He graduates from the Royal Military Academy after 4.5 years with a Master degree in Social and Military Sciences. The first part of his career he spends in operational units as a field artillery officer and as an instructor and staff officer at the Belgian Artillery School.

During this part of his career, he is deployed abroad on several occasions. During one of his operational deployments, he serves as a liaison officer with UN, EU and local civilian authorities. He learns first-hand how civilian and military efforts can supplement each other to achieve a better result than when they each operate independently.

In 2004, Dirk Dubois starts a second phase in his career as he joins the Belgian Defence Headquarters and becomes a member of the team responsible for the development and follow-up of the strategic management objectives for the Belgian Defence.

When this team is reorganised in 2007, he seizes the opportunity to apply for a position as training manager of the European Security and Defence College. During this time, he organises numerous courses and is actively engaged in the launching of the European initiative for the exchange of young officers, better known as 'Erasmus militaire'.

He occupies this function until 2012, when he returns to the Belgian Defence Headquarters in the Directorate-General for Education as head of the division responsible for external relations in the field of education, both on a national side and with relevant partner countries. This post allows him to take up the job of chairperson of the Implementation Group for the European initiative for the exchange of young officers, inspired by Erasmus in the summer of 2013. The experience gained with the initiative also enables him to further develop the recognition of the qualifications of the military personnel by the civilian authorities at a national level.

In 2014 he applies for the position of Head of the European Security and Defence College and is appointed by the High Representative of the Union for Foreign Affairs and Security Policy to take up this position on April 1st 2015. In December 2017, the EU Member States decided by consensus to prolong his mandate until 2022.

Dirk lives in Antwerp together with his wife Sabine, who teaches biology at high-school level and is an assistant professor at the University of Antwerp's professional training for future teachers. They have two daughters.

**Béla Galgóczi, Senior Researcher, European Trade Union Institute (ETUI)**



Bela Galgóczi has been working as senior research officer at the European Trade Union Institute (ETUI), Brussels since April 2003.

His main research fields over the years have been capital and labour mobility in the EU, third country migration and income convergence. His current research focus is a just transition towards a carbon neutral economy with focus on fair labour market transitions in carbon intensive sectors and regions.

He has a degree in electronical engineering (Budapest Technical University), in sociology (University of Sciences Budapest) with post-graduate studies in political science University of Amsterdam). He also holds a Ph.D. in economics (Hungarian Academy of Sciences).

**Lt. Colonel, Rene Heise, Atmosphere Physicist, Head of Section, Geo Support – Flight Systems, Air Operations Command - Geoinformation Center, German Air Force / Former Section Head, METOC SPOPS, Allied Command Operation, SHAPE**



Rene Heise is working as Staff Officer at the German Air Force and is responsible for the Geo support for missions and operations as well as for further development especially for forecasting tools on space weather effects.

With a wide range of professional experience on the tactical, operational and military-strategic levels, he experienced the requirements concerning military operations and humanitarian aid missions. In theatre (SFOR, ISAF, OEF, OHQ EUFOR Congo) he observed directly the impact of climate change and dependencies on the operations.

He has a degree in Meteorology and Geophysics (Humboldt-University Berlin) and has been engaged in exploration and study of atmospheric processes since the undergraduate days.

As a head of GEO- expedition, he managed outstanding measurement campaigns over the Andes (first measurements of atmospheric turbulence up to the lower edge of stratosphere) and Himalaya (pioneer flights with a motor-glider and producing of an accurate 3D Model (20cm resolution) of Mount Everest) in cooperation with the German Aerospace Center (DLR).

As a glider pilot, Rene is regularly observing the effects of climate changes (glacier monitoring, strengthening of the jet stream, and dehydration of landscapes) with a bird's eye view. René is also vice-president and board member of Europe Air Sports and of the German Air Sport Federation.

**Emmanuel Jacob**, *President, European Organisation of Military Associations and Trade Unions*



Emmanuel Jacob is the elected President of the European Organisation of Military Associations and Trade Unions (EUROMIL) since 2006. He is a retired NCO, who served in the Belgian armed forces until 2012. During his military career, he rapidly engaged in associative work, co-founded the Belgian all ranks trade union ACMP-CGPM, from which he became the Secretary General in 1991. During the 20 years he spent as Secretary General of his trade union, he held various positions of trust, including at the Belgian Veteran Institute. After his retirement from the armed forces, he worked in the cabinet of Pieter De Crem in various functions, including as an Advisor to the Belgian Minister of Defence, as a Policy Officer at the Belgian Secretary of State for Foreign Trade, and as Advisor to the Belgian Minister of Home Affairs and Security.

**Yvan Keckeis**, *Senior Policy Officer, Directorate of Political Affairs, Federal Department of Foreign Affairs (FDFA), Switzerland*



Yvan Keckeis is a Senior Policy Advisor in the Sectoral Foreign Policies Division of the Swiss Federal Department of Foreign Affairs. He has been working in its Sustainability, Environment, Energy and Health Unit since 2015.

Yvan Keckeis is especially dealing with climate change, carbon pricing, market-based instruments and the promotion of sustainability. Yvan Keckeis is also in charge of “climate diplomacy” and “climate and security” within the ministry. He has amongst others initiated and lead several studies on the security risks of climate change and their implications on Swiss foreign and security policy. He has equally established and overseen the mapping of activities of the Swiss Government and its agencies in the realm of climate-related security policies.

Prior to joining the Swiss Federal Department of Foreign Affairs, Yvan Keckeis worked for 12 years within the Federal Office for the Environment and its Climate Division, where he was in charge of the Swiss Emissions Trading System and the linking negotiations with the EU.

**Ronald A. Kingham**, *Executive Director, Environment & Development Resource Centre (EDRC) / Coordinator, Global Military Advisory Council on Climate Change (GMACCC)*



Ron Kingham is co-founder and Executive Director of the EDRC where he also co-coordinates the Brussels Dialogue on Climate Diplomacy (BDCD) and serves as the coordinator of the Global Military Advisory Council on Climate Change (GMACCC) as well as for the pilot project on Transatlantic Responses to 21st Century Environmental Challenges.

He is also a co-founder and former Director of the Institute for Environmental Security (IES) where he continues as a senior adviser and the IES representative in Brussels. From 2011 to 2015 he was Assistant Manager for Project COBRA showcasing indigenous solutions for the management of natural resources and from 2012 to 2016 he was the IES

coordinator in the EFFACE project on "European Union Action to Fight Environmental Crime".

At IES he also coordinated projects on Environment and Security in the Southern Mediterranean Region; Climate Change, Environment and Security in Africa; The Future of Space Cooperation in the Arctic Region; Illegal Trade in Natural Resources; Greening European Foreign and Security Policy; System Monitoring for Law Enforcement of Informal Mining; and Environmental Security for Poverty Alleviation.

In 2015 he was seconded to the Ministry of Foreign Affairs of the Kingdom of the Netherlands to assist with the organisation of the first Planetary Security Conference and in 2016 he served as the coordinator for the organisation of the 2nd Planetary Security Conference.

He is also former Executive Director of the International Coalition for Development Action and has carried out projects for the Environment Liaison Centre, European Partners for the Environment, European Environmental Bureau, the European Commission (DG Environment), and Shell International (Global Scenarios Project). In 2000-2001, he was technical adviser to the UNITAR Project: "Who Needs What to Implement the Kyoto Protocol? An Assessment of Capacity Building Needs in 33 Developing Countries".

Educated in the US and Europe, he is a political scientist with a specialisation in international relations and European integration. His studies also focused on European history, human rights and development economics.

**Ashley McIlvain Moran**, *Director, State Fragility Initiative, Robert Strauss Center for International Security and Law, University of Texas at Austin*



Ashley McIlvain Moran is the Associate Director of the Robert S. Strauss Center for International Security and Law where she created and leads the Center's democratic governance research team, state fragility research program, and Middle East initiative.

She also directs the Center's Department of Defense-funded program on Climate Change and African Political Stability and serves as a core researcher on its new DoD-funded Complex Emergencies and Political Stability in Asia program.

She is a Security Fellow with the Truman National Security Project. She previously served as parliamentary advisor in the Republic of Georgia for the National Democratic Institute for International Affairs (NDI), ran democratic reform programs and trainings in Iraq and Azerbaijan for NDI, and designed rule of law programs in Kyrgyzstan for the Organization for Security and Co-operation in Europe (OSCE).

Her previous policy work includes various legislative and political positions in the United States. Her research interests lie in comparative constitutional law, the intersection of constitutional order and conflict, state fragility, and democratic legal and institutional reform. Her current projects assess the role of constitutional courts in securing stability in new democracies and particularly Iraq, the effectiveness of foreign aid in promoting democracy and good governance, and factors that contribute to state fragility. She holds an MALD in comparative law and development economics from the Fletcher School of Law and Diplomacy, and she is currently pursuing a PhD in comparative constitutional law at the University of Texas at Austin.

**Rear Admiral (ret) Neil Morisetti, RN, Honorary Professor and Vice-Dean (Public Policy) Faculty of Engineering Sciences, University College London / Member, Global Military Advisory Council on Climate Change**



Neil Morisetti is Honorary Professor and Vice-Dean (Public Policy) Faculty of Engineering Sciences, University College London.

He acted as the UK Foreign Secretary's Interim Special Representative for Climate Change from January to October 2013. Prior to joining the Foreign and Commonwealth Office he spent 37 years in the Royal Navy, during which time he commanded ships ranging in size from the patrol boat HMS CYGNET, in Northern Ireland, to the aircraft carrier HMS INVINCIBLE, operating globally but principally in the Middle East.

As a Rear Admiral, he was Commander UK Maritime Forces before commanding the Joint Services Command and Staff College, where he was responsible for the post graduate education of officers from sixty nations.

Admiral Morisetti's final appointment in the Royal Navy was as the UK Government's Climate and Energy Security Envoy, working for the MOD, FCO and DECC to address the security implications of a changing climate and the impact on resource availability.

A graduate of the University of East Anglia, he has a BSc (Hons) in Environmental Sciences

**Major General ANM Muniruzzaman (Ret.), Chairman, Global Military Advisory Council on Climate Change (GMACCC) / President, Bangladesh Institute for Peace and Security Studies (BIPSS)**



Major General Muniruzzaman (Ret.) is a former career military officer who spent over 38 years on active duty. During his active duty tenure he served at various levels including the command of an artillery brigade and infantry division. General Muniruzzaman was also the head of Bangladesh artillery. He has served as military adviser to the President of Bangladesh, and has been on the faculties of the Defense Command and Staff College and the National Defence University. General Muniruzzaman has extensive experience in UN Peace Support operations and had the distinct honour of heading the post-election UN Mission in Cambodia.

**Nicolas Regaud, Special Representative to the Indo-Pacific, Ministère des Armées, France**



Nicolas Regaud serves as Special Representative to the Indo-Pacific of the Director General for International relations and Strategy, French Ministry of Armed Forces.

He organized in October 2015 in Paris the first International Conference of Defence ministers and high officials on climate change and its defence implications. Before, he was Assistant Defence Policy Director, in charge of strategic foresight and policy planning.

**Jamie Shea**, *Secretary-General, Global Military Advisory Council on Climate Change (GMACCC) / Former Deputy Assistant Secretary General, Emerging Security Challenges, NATO*



Jamie Shea is professor of strategy and security within the Strategy and Security Institute at the University of Exeter (since September 2018). He is also a senior fellow responsible for security and defense programs at Friends of Europe and a senior advisor with the European Policy Centre, both based in Brussels.

From 1980 to 2018, Jamie was a member of the International Staff of NATO in Brussels. His last position was Deputy Assistant Secretary General for Emerging Security Challenges where he was responsible for taking NATO's work forward in areas such as non-proliferation of weapons of mass destruction, cyber defense, counterterrorism, and energy security. He oversaw strategic analysis and forecasting as well as the NATO Science for Peace and Security program, which develops and funds capacity-building, and technology projects with NATO's partner countries across the globe.

He received his B.A. (Hons.) in Modern History and French from the University of Sussex (1977) and his D.Phil. in Modern History from Lincoln College, Oxford (1981).

**Martin Siecker**, *Member, European Economic and Social Committee*



Martin Siecker is a journalist and editor.

He has been a Member of the European Economic and Social Committee since 2002, where he represents the Dutch labour movement.

Within the Committee, he belongs to the Section for Agriculture, Rural Development and the Environment as well as the Section for Single Market, Production and Consumption. He was President of the latter Section from 2012 until 2017.

**Alexander Verbeek**, *Policy Director, Environment & Development Resource Centre / Founder, Institute for Planetary Security*



Alexander Verbeek leads EDRC's policy work and co-coordinates the Brussels Dialogue on Climate Diplomacy. Alexander is also an independent advisor on global issues related to climate, security, water, food, energy and resources. He collaborates with governments, businesses, think tanks and civil society agencies to create solutions for the environmental, security, resource and demographic challenges of the 21st century.

Alexander served as a Lieutenant in the Royal Netherlands Navy -RNLN (1990-1991) and was a diplomat for the Netherlands Ministry of Foreign Affairs from 1992 until 2016. His last position was Strategic Policy Advisor on Global Issues in the Netherlands Ministry of Foreign Affairs. He had postings in Vienna (OSCE), Bonn and London. At MFA headquarters in The Hague, he also worked in the Middle-East Department, twice in the security department and for several years in the Asia department.

Alexander founded the Institute for Planetary Security and developed the Planetary Security Initiative, leading the team that prepared the first Planetary Security Conference in the Peace Palace

in The Hague in November 2015. From 2016 until 2018 he was the Chairman of the Board of Advisors of this initiative. He is a World Fellow at Yale University, a Visiting Fellow at Uppsala University for the Department of Peace and Conflict Research and a Fellow of the RSA (Royal Society for the encouragement of Arts, Manufactures and Commerce).

In 2015 he became an Associate at the Stockholm Environment Institute (SEI) and since 2016 he is an associate at the Stockholm International Water Institute (SIWI). In 2018 he became an Associate Fellow at the Geneva Centre for Security Policy.

**Major Pieter Wit, (Ret.),** *Director/owner, Syzygy - consultancy on Conservation-cum-Development / Former Chair, IUCN Commission on Ecosystem Management and Former Member, IUCN Council / Member, Global Military Advisory Council on Climate Change (GMACCC)*



Piet Wit is Director/owner of Syzygy, a consultancy firm on Conservation-cum-Development. He is also former Chair of the IUCN Commission on Ecosystem Management and former member of IUCN council.

His other memberships / activities include: the Board of the Hustai National Park Trust in Mongolia; Member of the board of the Foundation Reserves for the Przewalski Horses in The Netherlands; Secretary of the executive council of Daridibó (Guinea Bissau); Advisor to the Board of the Foundation Chimbo (The Netherlands); Councillor of the Neder-Betuwe Municipality; and author of an instruction booklet for army-officers that are deployed in reconstruction activities in a context of military operations to control armed conflict.

His experience includes long-term missions around the world on biodiversity conservation and management projects, including participatory management of protected areas and their buffer zones, integrated water management and integrated rural development. Highlights in this career were his work at the Garoua Wildlife School in Cameroon, with Delft, with the Hustai National Park Project in Mongolia and with the Dutch Army in Uruzgan, Afghanistan (ecosystem development of agriculture).

Presently Major Wit is spending much of his time and energy on the protection of chimpanzees in South-Eastern Guinea Bissau. For his work with Przewalski horses in Mongolia he was awarded the Mongolian Friendship Award and 'Honoured nature conservationist of Mongolia'. He is also an Honorary Citizen of the Central Province of Mongolia.