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# BIO-PLATEAUX CONFERENCE

Official program

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26 NOVEMBER 2019

*Grand Hôtel Montabo, Cayenne*



# OPENING SESSION

The animation during the conference is facilitated by:  
*Mr Eric TARDIEU, Director General of the International Office for Water (IOWater)*

## 8h00-8h30 – Welcome

Welcome and registration

## 8h30-9h30 – Opening speeches

*Mr Rodolphe ALEXANDRE, President of the “Collectivité Territoriale de Guyane”*

*Mr Antônio WALDEZ GOES DA SILVA, Governor of the State of Amapá*

*Mr Edgar DIKAN, Minister of Regional Development of Suriname*

*Mr Marc DEL GRANDE, Prefect of French Guiana Region*

## 9h30-10h00 Coffee break



## Sharing experience and information to improve transboundary cooperation to manage water and aquatic biodiversity on the Maroni and Oyapock basins

*Key question: how can we improve transboundary cooperation for managing water and aquatic biodiversity?*

### 10h00-10h15 Moderator

*National Water Agency of Brazil (ANA)*

*Mr Jorge Thierry CALASANS- Senior specialist – Water resources management*

Mr Jorge Thierry CALASANS is a lawyer and a Doctor of law from Paris I University. He joined the National Water Agency (ANA) of Brazil in 2001 and since 2014 has been responsible for the institution's international capacity-building. ANA is a regulatory agency created in 2000 to implement the goals and guidelines of the 1997 Water Act. It operates in the fields of regulatory areas (federal freshwaters); monitoring (coordination of the national hydrometeorological network); and planning (work development and strategic studies in the water sector), and coordinates the implementation of National Water Resources Policy.



### 10h15-10h45: Keynote speaker

*International Network of Basin Organisations (RIOB)*

*Mr Paul HAENER- Water Information Systems Expert*

Mr Paul HAENER is an engineer specialized in water data and information management. After ten years working in West Africa, he has spent the last twenty-five years at the International Office for Water (IOWater) as an expert in international support to develop and reinforce Water Information Systems. He edited a manual on the subject for the International Network of Basin Organisations in collaboration with UNESCO, WMO and the World Water Data Initiative, published in 2018.





## Experience and information sharing to a better transboundary cooperation for water and aquatic biodiversity management on Maroni and Oyapock basins

### 10h45-11h15: Presentations - Brazil



*Institute of Scientific and Technical Research of the State of Amapá (IEPA)*

*Mr Alan KARDEC RIBEIRO GALARDO- Research Director*

Mr Alan KARDEC RIBEIRO GALARDO, who holds a Bachelor's degree in biology (1991) and a Master's degree in animal biology from the Federal Rural University of Rio de Janeiro (2002), is a specialist in medical entomology. He has a Doctor of the biology of infections and parasitic agents from the Federal University of Pará (2010). He coordinates the medical entomology laboratory and is research director at the Institute of Scientific and Technological Research of the State of Amapá (IEPA). The purpose of the IEPA is to generate and circulate scientific and technological knowledge about human beings, flora, fauna and the physical environment of the state in order to contribute to economic and social development.

*State Secretariat for the Environment of the State of Amapá (SEMA)*

*Mr Patrick SILVEIRA FARIAS - Coordinator of geo-processing*

Mr Patrick FARIAS has been coordinator of geo-processing at the State Secretariat for the Environment of Amapá (SEMA) since 2015. With more than fifteen years' experience in geo-processing and remote sensing areas, he is technical manager of the biggest cartographic database project in the Brazilian Amazon: "Base Cartográfica continua digital do Estado do Amapá". He has three years' experience in drone mapping and aerial surveys.



### 11h15-11h45: Presentations - Suriname



*Anton de Kom University of Suriname (AdeKUS)*

*Ms Gaitrie Usha SATNARAIN- Researcher*

Ms Gaitrie Usha SATNARAIN holds a Bachelor's degree in biology and a Master's degree in natural resources and environmental management with major climate change. She has worked as database manager at the National Zoological Collection of Suriname (NZCS). Ms Gaitrie Usha SATNARAIN acts as research assistant on the research team for the Master's programme on Sustainable Management of Natural Resources (SMNR) at Anton de Kom University. She specialises in biodiversity in relation to climate change research.

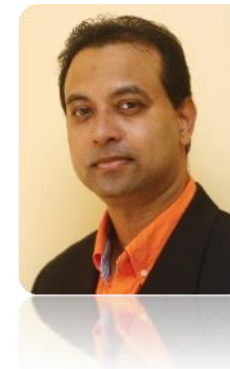


## Sharing experience and information to improve transboundary cooperation to manage water and aquatic biodiversity on the Maroni and Oyapock basins

*Anton de Kom University of Suriname (AdeKUS)*

*Mr Riad NURMOHAMED – Research lecturer*

Mr Riad J. NURMOHAMED holds a Bachelor's degree in civil engineering and a Master of Science in Water Resources Engineering (option hydrology) from the Catholic University Leuven and a PhD from Anton de Kom University of Suriname (AdeKUS) on the impact of climate change on water resources in Suriname since 2000. He has also worked on the creation of a Suriname Water Information System. Riad J. NURMOHAMED has coordinated the Master's programme on Sustainable Management of Natural Resources since 2009. He is focal point of the BIO-PLATEAUX project in Suriname and has been a Member of Parliament since 2015.



### 11h45-12h15: Presentations – French Guiana

*Water and Biodiversity Committee (CEB)*

*Mr Patrick LECANTE – President*

Mr Patrick LECANTE is Mayor of Montsinéry-Tonnégrande in French Guiana, President of the Water and Biodiversity Committee of Guiana and Director of the French Agency for Biodiversity. An economist by training, since his election in 2008 he has been committed to developing a model of sustainable development on the municipal territory based on three principles: Education, Environment, and Employment. Committed to access to water for all, he has doubled water credits for French Guiana by working alongside elected local officials. In January 2017, he published 16 proposals for economic development based on the territory's rich biodiversity. He is the initiator of the BIO-PLATEAUX project.



*“Office de l'Eau de Guyane” (OEG)*

*Ms Hélène SIRDER – First Vice-President of the “Collectivité Territoriale de Guayne” (CTG)*

Ms Hélène SIRDER, lawyer, is Vice-President of the “Collectivité Territoriale de Guyane” delegate for sustainable development, mines and energy. She is also President of the Guiana Regional Natural Park, Member of the Overseas Forests Advisory Committee of the National Forest Office, and President of the “Guyane Energie Climat” association. On behalf of the President of the CTG, she regularly chairs the OEG Board of Directors.



### 12h30-14h00 Lunch



## Knowledge issues concerning pollution on the Maroni and Oyapock transboundary basins

*Key question: What are the technical tools for measuring pollution in basins and how can we work together to share information about water quality?*

### 14h00-14h10 Moderator

*Institut Pasteur in French Guiana  
Mr Mirdad KAZANJI - Director*

Mr Mirdad KAZANJI, laureate of the JANSEN Award for Biomedical Research, has been Director of the Institut Pasteur in French Guiana since September 2014. With a Doctorate in virology from the University of Paris XII in 1993, he has also studied viruses at the Institut Pasteur in French Guiana, Ohio State University in the United States, and the International Medical Research Center of Franceville in Gabon. Mr Mirdad KAZANJI headed the Institut Pasteur in Bangui, Central African Republic for five years and organised the 8th session of the Initiative for the Future of Great Rivers, held in Saint-Laurent-du-Maroni in April 2019.



### 14h10-14h30: Keynote speaker

*Amazon Cooperation Treaty Organization (ACTO)  
Mr Marcio DIONISIO – Technical Unit of ACTO*



Mr Márcio DIONISIO DE SOUZA has more than 20 years of professional experience in local development, the environment and national and international project management in 30 countries. Today, he works at the technical unit of the Amazon Cooperation Treaty Organisation (ACTO). ACTO is an intergovernmental organization composed of eight member countries: Bolivia, Brazil, Colombia, Ecuador, Guyana, Peru, Suriname and Venezuela. It promotes the sustainable development and social inclusion of the region, and implements the provisions of the Amazon Cooperation Treaty, signed in Brasilia on 3 July 1978.





## Knowledge issues concerning pollution on the Maroni and Oyapock transboundary basins

### 14h30-14h50: Presentation - Suriname

*Ministry for Public Works of Suriname*

*Mr Armand AMATALI- Director of the Hydraulic Research Division (WLA)*

Mr Armand AMATALI is a civil engineer with a Master's degree in hydrology from Galway University (Ireland, 1985). He heads the Hydraulic Research Division (WLA) of the Ministry of Public Works, Transport and Communication of the Republic of Suriname. WLA collects and disseminates quantitative data and information (hydrological monitoring) and monitors the quality of continental surface water resources at national level. His presentation is made in collaboration with Ms Gaitrie Usha SATNARAIN.



### 14h50-15h10: Presentation – French Guiana

*Amazonian Park of French Guiana (PAG)*

*Mr Pascal VARDON - Director*

Mr Pascal VARDON, engineer general of Bridges, Waters and Forests, is director of French Guiana's Amazonian Park. This national park, created in 2007, covers 34,000 km<sup>2</sup> (40% of French Guiana). It is the largest national park in France (and in the European area). Employing 90 agents, the PAG carries out varied action to preserve Amazonian biodiversity, support local development, and preserve cultural heritage and traditional knowledge. The park's territory is inhabited by about 20,000 people, including Ameridians, Bushinengues and Creoles. The main external pressure on the natural environment of the PAG is illegal gold panning, which causes deforestation and water pollution, in particular by mercury.



### 15h10-15h30: Presentation – Brazil

*State Secretariat for the Environment of Amapá (SEMA)*

*Mr Luis Roberto TAKIYAMA- Director of Environmental Development*

Mr Luis Roberto TAKIYAMA holds a Master's degree and a Doctorate in civil and environmental engineering from the University of Delaware (United States) and is currently Director of Environmental Development at the State Secretariat for the Environment of the State of Amapá (SEMA). He is a researcher at the Institute of Scientific and Technological Research of the State of Amapá (IEPA), and has experience in the fields of water chemistry, water resources management and coastal area management.





## Prevention of natural risks in transboundary basins

*Key question: How can hydrological monitoring of the Maroni and Oyapock rivers play a key role in climate change adaptation, and how can we foster information sharing to achieve it?*

### 15h30-15h40 Moderator

*French National Research Institute for Development (IRD)*

*Mr Stéphane CALMANT - Branch manager*

Mr Stéphane CALMANT is a geophysicist and research director for the French National Research Institute for Development (IRD) at UMR LEGOS. He joined the IRD in 1989 at the Nouméa geology-geophysics laboratory, where he participated in the South West Pacific Arc Basin Tectonics programme with his skills in satellite positioning (GNSS). He was then appointed to LEGOS, where he focused on space hydrology and helped develop satellite altimetry for operational monitoring of hydrological basins. He currently coordinates the ground validation of SWOT, the future hydrology satellite mission led by CNES and NASA.



### 15h40-16h00: Keynote speaker

*Senegal River Basin Development Authority (OMVS)*

*Ms Maha SALL- Permanent Water Commission Expert*



Ms Maha SALL is an expert in charge of the Water Permanent Commission (CPE) and the Basin Committee (CB) on behalf of the Office of the High Commissioner for the Senegal River Basin Development Authority (OMVS). OMVS is an intergovernmental organization created on 11 March 1972 in Nouakchott. It has four member states: Mali, Mauritania, Guinea and Senegal, and manages the Senegal River basin, which covers an area of 289,000 km<sup>2</sup>. Ms Maha SALL Graduated as a hydrogeologist from the Joseph Fourier University of Grenoble (France). She is particularly involved in the Water Resources Management division of OMVS where she oversees hydrological monitoring, the preparation of dam management programmes, and the technical secretariat of CPE and CB.





## Prevention of natural risks in transboundary basins

### 16h00-16h20: Presentation– French Guiana

*Environment, Planning and Housing Department of French Guiana (DEAL)*  
*Mr Raynald VALLÉE - Director*

Mr Raynald VALLÉE, Master administrator of Maritime Affairs, has been Director of DEAL French Guiana since 8 January 2018. With 360 agents, DEAL French Guiana implements, under the authority of the Prefect, various ministerial policies. It is concerned with topics related to water and biodiversity, rivers and coastlines, the prevention of natural and accidental risks, planning and mineral resources.



### 16h20-16h40: Presentations – Brazil

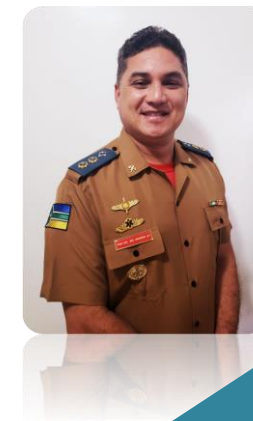


*State Secretariat for Infrastructure of the State of Amapá*  
*Mr Alcir FIGUEIRA MATOS - Secretary of State*

Mr Alcir FIGUEIRA MATOS has a Bachelor's degree in architecture and urban planning from the University of Amazonia (State of Pará), and a Master's degree in environmental sanitation in urban areas issued by the Federal University of the State of Pará. He has been Secretary of State for Infrastructure of the State Government of Amapá since March 2018.

*Firefighters of Amapá*  
*Lieutenant-Colonel Sandro OLIMPIO DA SALVA BONFIM*

Lieutenant-Colonel Sandro OLIMPIO DA SALVA BONFIM is a firefighter commander at the 7<sup>o</sup> Military Fire Brigade Group, located in Oiapoque (Brazil). Throughout his career as a firefighter, he has faced various climate events, in particular floods and major hydraulic structure breakages. Mr Sandro OLIMPIO DA SALVA BONFIM also holds a degree in information systems.





## Prevention of natural risks in transboundary basins

### 16h40-17h00: Presentation – Suriname

*Anton de Kom University of Suriname (AdeKUS)*  
*Mr Peter DONK - Researcher*

Mr Peter DONK is an energy engineer with a Master's degree in natural sustainable resources management. Following a position at the National Power Utility of Suriname he currently dedicates his research to quantifying the impact of climate change on renewable energy resources in the country with a focus on water resources.



*Ministry of Public Works of Suriname*  
*Mr Frits KOSSO RAMI - Engineer of the Hydraulic Research Division (WLA)*

Mr Frits KOSSO has been a computer data analyst since 1991 at the Hydraulic Research Division (WLA) of the Ministry of Public Works Transport and Communication of Suriname. He takes care of the management, security and updating of the computer system / network, applications and digital data as well as the digital processing and analysis of all types of hydrological data obtained from research and field measurements by WLA. This institution is responsible for the collection and dissemination of quantitative data and information (hydrological monitoring) and the quality of continental surface water resources at national level.

17h00-17h30 Coffee break



# CLOSING SESSION

## Reporting on the meeting:

*Mr Eric TARDIEU, Director General of the International Office for Water (IOWater)*

## Closing speeches:

*Mr Rodolphe ALEXANDRE - President of the "Collectivité Territoriale de Guyane"*

*Mr Antônio WALDEZ GOES DA SILVA - Governor of the State of Amapá (or his representative)*

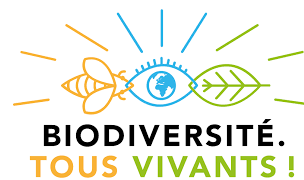
*Mr Roni BENSCHOP – Interim Minister of Foreign Affairs, Minister of Defense of the Republic of Suriname*

*Ms Annick GIRARDIN – Minister of the Overseas Territories of the Republic of France*

## Announcement of common declaration:

*Mr Jean-Bernard NILAM – Ambassador Delegate of West-Indies-Guyana Regional Cooperation*

## Closing cocktail in the presence of the Minister



With financial support from  
DEAL, French Guiana