



# EUREKA

meets the

# ATLANTIC

EARTH OBSERVATION FOR SUSTAINABLE DEVELOPMENT THROUGH GREEN AND  
DIGITAL INNOVATION

**21 - 22 February 2022**  
**Cape-Town, South Africa**  
(location: Century City Conference Centre & Hotels.)

**Organizing Committee:**  
**Department Science and Innovation (DSI) Republic South Africa**  
**ZASPACE**  
**Portugal Chairmanship Eureka**  
**Eureka Secretariat**

## Introduction

The EUREKA Network is a Pan-European research and development funding and coordination organization, established in 1985. The network is intergovernmental and aims to coordinate efforts of Governments, research institutes and commercial companies concerning innovation. It specifically supports international cooperation in market-oriented research and development in all technology sectors. The Eureka network is comprised of almost 50 European Union (EU) member states and Associated Member States (South Africa, Canada, Israel, South Korea, Argentina, Chile and Singapore), which are not within the geographical borders of Europe. Portugal is currently hosting the Chairmanship of the Eureka network from July 1<sup>st</sup>, 2021 until June 30<sup>th</sup>, 2022. Portugal is a founding member of Eureka and remains very committed to the success of Eureka as an international collaborative network for R&D&I, where research and industry work for the development of new products and services “close to the market” using a flexible and dynamic model. For the Portugal Chairmanship, one of the main strategic lines is to increase the global footprint of Eureka focusing on the Atlantic. Considering the vast Ocean and diversity of communities in its coastal regions the goal is to initiate or further develop collaboration with countries in Africa and Latin America. For this, the Portuguese Chairmanship is promoting a series of events titled: “**Eureka Meets the Atlantic**” in five Atlantic cities (Lisbon, Boston, Cape Town, Rio de Janeiro and Oslo) where innovation will play a key role in overcoming the recovery period from the crisis associated with the COVID-19 pandemic. Innovation will play a major role in tackling the job displacement, which occurred during this time, lifting the relevancy of Eureka to never seen before heights. The “Eureka Meets the Atlantic” are international thematic events where stakeholders from government, research and industry (start-ups, SMEs, large companies) come together to discuss the ideation of new projects, to establish global business partnerships (e.g., through B2B meetings) and to showcase innovation which includes both pre-existing and new actors, promoting scientific and technological applications, products and services for the inclusive benefit of the international communities working towards a greener, digital and healthier planet.

There are challenging and emerging issues regarding the domains of Space, Ocean, Earth systems and its interactions, and, in this field, Research and Innovation will play a key role in generating knowledge, new technologies and businesses across disciplines, stimulating institutional innovation in public and private entities. The time for collective action is now and research and sustainable innovation must deliver game-changing technological advancements that should be fair, affordable, scalable, and accessible to everyone.

This is the 2<sup>nd</sup> “Eureka meets the Atlantic” event and it will focus on how Earth Observation (EO) is key for sustainable development through green and digital innovation. This event will promote entities addressing global development priorities, which are of the highest importance for Eureka members and African countries alike, in order to tackle the critical challenges arising from, for example, climate change. Foremost, this event shall contribute to the debate



contributors:



of policy-formulation and processes for the green transition, while tackling the need for increased development, building on the best innovations under implementation or foreseen advancements and where EO plays a key-role. Earth Observation is continuously expanding and evolving, delivering an unprecedented number of observations for monitoring natural resources and economical activities worldwide. The operational satellite programmes and the increasing number of EO satellites in orbit, the innovative missions from the many Space agencies as well as from the New Space industry, are all contributing to a vibrant sector, both in terms of science and of economic growth. In parallel, new technologies such as big data, cloud computing and Artificial Intelligence are allowing the exploitation of EO data in new ways.

**To foster the debate and development of innovative EO solutions, this event will be promoting an action under the Framework Programme – Copernicus User Uptake initiative to link European and South African Start-ups and SMEs to work on Copernicus based products and services.** Through this action, an opportunity framework is created for business to business (B2B) pitching involving European and South African SMEs (10 each) who are working on Copernicus products and who have manifested a knowledge of both European and South African markets. These SMEs have displayed an interest in fostering growth to participate in this event, enabling the dialogue with their counterparts and creating more opportunities for collaboration and mutual development.

## Event programme

### Programme Facilitators:

- Mr Toto Matshediso Deputy Director: Strategic Partnerships: DSI
- Mr Emir Sirage National Project Coordinator Chair: Portuguese Chairmanship of the Eureka Network

FEBRUARY 21<sup>ST</sup>

**11:00** Side-event with the Portugal Embassy in South Africa

### Welcome Remarks

- 13:00**
- Mr Daan du Toit (Deputy Director-General: International Cooperation and Resources – DSI)
  - Mr Miguel Belló (Portuguese Chair of Eureka Network)



contributors:



- Manuel Carvalho (Portuguese Ambassador to South Africa) (tbc)

- Ms Riina Kionka (EU Ambassador in South Africa) (tbc)

13:15

**Eureka Network: Funding Mechanisms and the Globalstars Programme**

- Ms Brit Helle (Head of Eureka Secretariat)

- Mr Jorge Liz (Eureka Global Instruments Programme);

13:40

**DSI support instruments to South African participants in EUREKA**

- Ms Karabo Mphogo (Assistant Director: Strategic Partnerships: DSI)

14:05

**Discussion (Q & A)**

14:20

**Coffee Break**

14:25

**Copernicus Marine Service: Successes, Ambition and Future Opportunities**

- Mr Pierre Bahurel/Representative of Mercator Ocean – tbc (REMOTE)

14:45

**Copernicus Land Monitoring Service: Successes, Ambition and Future Opportunities**

- Mr Michael Cherlet (Scientific Project Manager of Copernicus Global Land Services, European Commission Joint Research Centre)

15:05

**Showcasing Sustainable Innovation: SME Pitches**

16:10

**Coffee Break**

16:30

**Showcasing Sustainable Innovation: SME Pitches**

17:30

**South Africa, Strategic Objectives in Space Science**

- Mr Humbulani Mudau (DSI)



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17:50	<b>Strengthening academic &amp; scientific cooperation in the Atlantic and beyond”</b> - Mrs Susana Catita (Executive Director, Ciência LP Center, under the auspices of UNESCO)
18:05	<b>Networking Sessions</b>
<b>FEBRUARY 22<sup>ND</sup></b>	
9:00	<b>Technical Visits</b> TBD
12:00	<b>Lunch</b>
13:00	<b>Recap of First Day</b> - Mr Itumeleng Makoloi (DSI)
13:10	<b>SANSA and South African Industry Development</b> - <b>Speaker: SANSA (TBC)</b>
13:35	<b>ZASPACE – Stimulating Growth and Transformation of the Space Industry, Making it Easier to do Business throughout the Value Chain</b> - Mr Mothibi Ramusi
13:50	<b>Discussion (Q &amp; A)</b>
14:05	<b>South African SME Pitch Award</b>
14:15	<b>EU Global Action on Space – Opportunities for SMEs</b> - Mr Luis Cuervo Spottorno (Principal Administrator, European Commission)
14:30	<b>Coffee Break</b>



contributors:



**14:55** **South African Innovation Landscape: Challenges to Commercializing Local Innovations**  
**Speaker:** Mr Patrick Krappie (Acting CEO of Technology Innovation Agency) TBC

**15:20** **The Impact of Space Entrepreneurship on Growing Innovation Ecosystems**  
**Moderator:** TBD

- Hendrik Burger (Chief Engineer, SANSA Space Engineering)
- Hugo Costa (Member of the Board of Directors, PT Space)
- André Oliveira (Chief Technology Officer, AB +ATLANTIC)
- Daniela Dobрева-Nielsen (Head of Business Development & Account Management, AZO)
- Jorge Pimenta (Innovation Director at IPN - Instituto Pedro Nunes, ESA Space Solutions Centre Portugal Coordinator)
- Sara Medina and Christophe Viarnaud (Enrich in Africa)
- Fiammetta Diani (Head of Market Development at EUSPA)
- Zoltan Szantoi (Land Applications Scientist, ESA)

**16:35** **Concluding Remarks**  
- Ms Vinny Pillay (DSI Chief Director: International Resources)  
- Ana Neves (Deputy Portuguese Chairwoman of Eureka Network)

**16:50** **Networking Sessions and Cocktails**

**Note:** Time displayed in South Africa Standard Time (SAST: GMT+2)

## 1. Speakers



contributors:





### Ana Cristina Amoroso das Neves

#### Deputy Chairwoman in the Portuguese Chairmanship of EUREKA

“European Digital Leader 2018” (CIONET), and “Portuguese CIO/Public Sector of the year 2018”. Passionate about Digital World, Emerging Technologies, Science, Technology & Innovation Public Policies, Strategy, Diplomacy, with over 30 years of professional experience in these areas.

Deputy Chair in the Portuguese Chairmanship of EUREKA (the world's biggest public network for international cooperation in R&D and innovation), 1st July 2021 – 30th June 2022. Vice Chair, United Nations Commission on Science and Technology for Development (CSTD). Advisor to the Portuguese Minister of Science, Technology and Higher Education, Manuel Heitor and Executive Coordinator of PERIN (Portugal in Europe Research and Innovation Network).

Counselor S&T, Space, Education & Information Society @ the Permanent Representation of PT to the EU in Brussels, from 2002-2008.

Advisor on International Affairs to the PT Minister of Science and Technology (1997-2002), José Mariano Gago.

Over 30 years as PT representative to several high-level groups and committees to the European Union, OECD and United Nations.

She holds a PhD ABD in European Studies - Public Policies (Universidade Católica Portuguesa, in Lisbon) and a MSc. in International Economics (Instituto Superior de Economia e Gestão, Universidade de Lisboa).



### André Oliveira

#### Chief Technology Officer, CoLAB +ATLANTIC

André Oliveira has a degree in Aerospace Engineering from IST in Portugal, a postgraduate certificate on Space Systems analysis and design from the International Space University (ISU) and a postgraduate certificate on business leadership from IMD in Lausanne. After 2,5 years at ESA-ESTEC working on smart structures, André spent 14 years at the TEKEVER group where he was responsible for all R&D activities with a focus on small satellites and drones. Since 2019, André has split his time between the +ATLANTIC Collaborative Laboratory, where he is Chief Technology Officer with a specific emphasis on Space, and CEiA where he is business development manager for Space. André has a solid track record in R&D having captured more than 20M€ of funding for over 60 R&D contracts, and managed and coordinated directly 14 international projects. He's been subject matter expert at EUROCAE, RTCA and NATO since 2011 and expert evaluator for the EC in calls of the Space theme and PADR.



### Brit Helle

#### Head of the Eureka Secretariat

Managing Director of the Eureka Secretariat in Brussels since 1 September 2021. Professional experience from a variety of fields and locations within finance, administration and trade policy in both private and public international sector. Based in Brussels since 2005 working on European Affairs within the European Free Trade Association, the last 12 years before joining Eureka, as Director. Holds a BSc in Management Science from University of Warwick in the UK and a Masters in Finance, Commerce, Administration from Toulouse Business School in France. Trilingual English, French and Norwegian.



contributors:





### Daan du Toit

**Deputy Director-General: International Cooperation and Resources – DSI** Daan du Toit started his career in the South African Government with the then Department of Foreign Affairs where he trained as a diplomat. Since 2002 he has been attached to the Department of Science and Technology, where he has notably served as the Department's representative in Europe, based in Brussels. In 2014 he was appointed as Deputy Director-General responsible for the portfolio International Cooperation and Resources. Over the years Daan had the privilege to contribute to multiple initiatives in support of a diverse and rich international partnership portfolio for South African science, technology and innovation. He for example played a central role in the establishment and management of the European-South African Science and Technology Advancement Programme (ESASTAP.) Daan has represented South Africa in diverse multilateral forums such as the OECD's Global Science Forum, the Group on Earth Observations and the BRICS partnership, as well as in various structures related to African regional and continental cooperation of the African Union and the South African Development Community. In addition to being a member of the Department of Science and Technology's Executive, the SKA Observatory, new inter-governmental organisation established to govern the construction and operation of the global Square Kilometer Array (SKA) radio telescope, in February 2021 elected Daan as the Vice Chair of its Council. Daan has been intimately involved with the SKA project since 2003.



### Daniela Dobрева-Nielsen

#### Head of Business Development at AZO – Space of Innovation

Daniela Dobрева-Nielsen is the Head of Business Development at AZO – Space of Innovation. She has 25+ years of international experience in global media and technology companies, with emphasis on business development and account management, innovation consultancy and strategic communications. Daniela joined AZO in 2015 and since then has gained an in-depth knowledge of the EU Space programme, related to global market uptake, up- and downstream entrepreneurship ecosystems, outreach and communications. Her main focus is to create value for institutional and industrial clients, most recently related to strategic innovation advisory, entrepreneurial support and communications. She has significantly contributed to the creation and execution of several activities for the Galileo and Copernicus programmes, in support of the entire innovation value-chain, such as the Galileo Masters, Copernicus Masters, Space App Camps, Copernicus Hackathons, EU Global Action on Space. Daniela holds a Master of Science degree in Electrical Engineering and a Certificate in Management from The Open University.



### Emir Sirage

#### Eureka PT Chairmanship / AIR Centre

Emir Sirage is the Chief Operations Officer of the AIR Centre, having started this position in the end of 2019. He holds an MBA, (2) Masters degrees in Engineering and Industrial Management and in Management of Information Systems from the following universities: EPFL, HEC Lausanne in Switzerland, UT Austin in Texas USA, University of Minho and Lisbon School of Economics & Management in Portugal. His professional experience spans from working as a Quality Management consultant for SMEs, to working in international Technology Transfer, Industrial Policy and Government relations for this International organizations: CERN, ESA, ESO, ESRF. Further, he led a technology management office at the National Funding Agency in Portugal - FCT, responsible for International science-industry programmes with renowned academic and scientific institutions: MIT, UT Austin, Carnegie



contributors:



Mellon, Harvard Medical School, Fraunhofer Portugal, NASA, among others. Before joining the AIR Centre, he was working in the Space Industry as Director of a Space business department of a Thales company subsidiary in Portugal.



### Fiammetta Diani

#### Head of Market Development at the GSA, now EUSPA

Fiammetta Diani was appointed Head of Market Development at the GSA, now EUSPA, in January 2019, previously she was Deputy Head of Market Development. She has been working at the Agency since 2009 and has been responsible for transport and governmental segments, while supervising the mass market and professional domains and contributing to some of the Agency's major achievements in terms of Galileo market adoption and user uptakes.

Before joining the GSA, Fiammetta Diani worked in the private sector for more than a decade, both in the aerospace and information technology industry, with focus on market and business development of products, applications and services based on space technologies (GNSS, Earth Observation and Satellite Communications).

Fiammetta Diani holds a Master's degree in Aerospace Engineering from Politecnico di Milano and a post-graduate Master in Economics and Business Administration of governmental and non-profit organisations from the University of Ferrara, in Italy.



### Hendrick Burger

#### Chief Engineer, SANSA Space Engineering

Hendrik started his 26 years of microsatellite design, manufacturing and operations experience in the South African private industry, with (during a Master's degree in Electronic Engineering at Stellenbosch University in 1996) designing the mass memory for the first flown South African satellite, SUNSAT. During this time, he also attended the International Space University 1995 summer session in Stockholm, Sweden. Subsequent to the completion of the SUNSAT project he opted to venture into the commercial world of industrial equipment design, manufacturing and installation for a period of 7 years before being lured back into the arena of South African space technology development. Hendrik led the systems engineering effort and operations on various industry projects that included innovative earth observation payloads and micro-satellites. During his career Hendrik has been instrumental in the successful start-up of 4 companies of which 3 were in the South African space industry. Currently Hendrik is charged with the national space innovation and build program strategies in his role as Chief Engineer at SANSA.

Hendrik regards international collaboration and coordinated cooperation of national resources to achieve mission objectives as the key ingredient in a sustainable space industry ecosystem.



### Hugo Costa

#### PT Space, Member of the Board of Directors

Hugo André Costa was born and raised in the north of Portugal. He studied physics in the University of Minho. His passion for space took him to Strasbourg to continue his studies. There he completed a masters in space studies by the International Space University. Afterward he completed an MBA by the Superior school of Finance and Management of Frankfurt. He worked in the office for space of the Portuguese fund for science and technology, serving as the Portuguese representative in the European Space Agency (ESA). He worked in the space industry in Spain and in Germany, having been responsible for the areas of business of the space and earth segments. Before taking on this new challenge at



contributors:



the Portuguese space agency, he worked at EUMETSAT in the office of the Copernicus programme.



### Humbulani Mudau

#### Chief Director for Space Science and Technology at the Department Science and Innovation

Humbulani Mudau has more than 20 years technical and management experience in space science and technology specifically in Earth observation systems, remote sensing applications and geospatial technologies coupled with extensive knowledge in the development of policies, strategies and implementing programmes in those areas. Mr Mudau holds a Master's degree in Satellite Remote Sensing from the University of Paris VI (Pierre & Marie CURIE), France. He has worked for the Chamber of Mines of South Africa, Agricultural Research Council, Council for Scientific and Industrial Research, Group on Earth Observations, and currently the Chief Director for Space Science and Technology at the Department Science and Innovation.



### Itumeleng Makoloi

#### Director – Space Systems: Department of Science and Innovation

Itumeleng has a Masters degree in engineering sciences, which he obtained from University of Stellenbosch, with Telecommunications specialization. After completing his training, Itumeleng joined South Africa's signal distributor (Sentech) where he was responsible for planning and implementing new digital transmission technologies. He moved to the South African Broadcasting Corporation (SABC) and was responsible improving the quality performance of South African Broadcasting Corporation's transmission networks.

Itumeleng joined the government Department of Science and Innovation in 2007, and for the last seven years has been responsible for the portfolio of Director of Space Systems. His responsibilities include the development of relevant space technology & infrastructure and establishment of relevant components of the space value chain to enable satellite manufacturing and launching, including dual-use and restrictive technologies; Development and review of the national space strategy and provide the oversight of the South African National Space Agency.



### Jorge Liz

#### Programme Leader Global Cooperation Instruments - EUREKA Secretariat

Currently in charge of the EUREKA Global cooperation instruments at the EUREKA Secretariat in Brussels. Professional interest on areas where investment, innovation based on technology and markets converge, with special focus on SMEs investment and innovation strategies.

Previously, the Coordinator of the EUREKA Team in Portugal – National Project Coordinator and Chairman during the Portuguese EUREKA Presidency between July 2008 and June 2009; Holds a B.Com. Degree in Business Studies from the University of Edinburgh and International Baccalaureate from the International School of Geneva.



contributors:





### Jorge Pimenta

#### Innovation Director at IPN - Instituto Pedro Nunes, ESA Space Solutions Centre Portugal Coordinator

Entrepreneur, speaker, mentor, and startup enthusiast. Fostering innovation and entrepreneurship at IPN - Instituto Pedro Nunes, the technology transfer institution from Coimbra University. Coordinator of the ESA Space Solutions Centre Portugal. This initiative from the European Space Agency aims to foster the individual results from the three separate technology transfer programs promoted by ESA: ESA business incubation centre (ESA BIC), Technology Transfer Network (Brokers), and Business Applications (Ambassador Platform), boosting the positive impacts of each program.



### Karabo Mphogo

#### Assistant Director for the Strategic Partnerships Directorate at the Department of Science and Innovation (DSI)

Karabo Mphogo is the Assistant Director for the Strategic Partnerships Directorate (SP) at the Department of Science and Innovation (DSI). She is responsible for the operational management and strengthening of South African, European Union programmes that are funded under the European Union Framework Programme such as Eureka Eurostars, BiodivERsa, MarTERA, AAnchor along with the management of the European South African Science and Technology Advancement Programme (ESASTAP) website used to disseminate important information regarding SA-EU programmes, calls and support instruments.



### Luis Cuervo Spottorno

#### Principal Administrator, European Commission



### Manuel Carvalho

#### Portuguese Ambassador to South Africa

- Ambassador of Portugal in Pretoria, arrived 15 December 2017, also accredited to the Republic of Botswana and the Kingdom of Lesotho (and Ambassador designate in Madagascar and Comoros).
- Ambassador of Portugal in Riyadh 2013-2017, accredited to the Kingdom of Saudi Arabia, the Kingdom of Bahrain and the Republic of Yemen.
- Consul-General of Portugal in Macao and Hong Kong (China) 2009-2013.
- Portuguese Diplomat since 1987, with previous career with heavy emphasis on European affairs, but also with assignments in Africa and Asia. Involved in a wide range of issues in the European Union context; but also dealt with issues related to Defence (NATO, non-proliferation and arms control), transition in Eastern Europe (OSCE) and Human Rights (OSCE/Human Dimension and Electoral Monitoring). Involved in all Portuguese Presidencies of the EU Council (1992, 2000 and 2007); Presidency spokesman in Brussels in 2007. Was present as a member of delegation at over 30 sessions of the European Council, including the launching of the Lisbon Strategy (2000), the Euro (1998) and the wrapping-up of major



contributors:



negotiations including Agenda 2000 (Berlin 1999), Treaty of Nice (2000), Financial Perspective 2007-13 (2005).

- Head of the negotiating task force for the Financial Perspective 2007-13.

- Temporary assignment at the Portuguese Embassy at Praia, Cape Verde, in March-April 2008.



### Michael Cherlet

**Scientific Project Manager, European Commission - Joint Research Centre, Sustainable Resources Directorate**

During two decades he led several projects on applications of earth observation for natural resources monitoring, environmental modeling, desertification, food security and Desert Locust habitat monitoring for the Food and Agriculture Organization of the United Nations (FAO).

Since 2004 he works at the Joint Research Centre of the European Commission (EC) where he has been leading the land degradation activities providing scientific support to the EC and UNCCD. He is the main author of the World Atlas of Desertification (2018).

Currently (since 2014), he is coordinating the Global Land component of the Copernicus Land Service. This service operationalizes production of space-based earth observation biogeophysical parameters and sectoral oriented products facilitating land resource monitoring all over the globe.

He is geographer and soil scientist from the University of Ghent, Belgium and has built up a long and solid experience in earth observation by remote sensing.



### Miguel Bello

**AIR CENTRE, CEO**

Miguel Belló is CEO of the Atlantic International Research Centre (AIR Centre), international organization to develop scientific and technological applications in the Atlantic region. Miguel has been entrepreneur in the European Space sector involved in the management of International Space Programs and Institutions. Miguel was founder and CEO of all companies in DEIMOS Group in Spain, Portugal, United Kingdom, Romania and Italy. He is expert in Space Systems Operations, Space System Engineering, Earth Observation systems and applications, Interplanetary Mission Design, Launcher Trajectory Optimization and Space Debris. Miguel holds a PhD in Aerospace Engineering at the Flugmechanik Institut, Zentrum für Luft- und Raumfahrttechnik, Technische Universität Braunschweig (Germany), in 1993, a M.S. Degree in Aeronautical Engineering, at Universidad Politécnica de Madrid, in 1983, with end of Studies Honour Award and a General Management Programme (MBA), in 2000-2001, at IESE (Madrid). Miguel is Full Member for Section 2 (Engineering Sciences) of the International Academy of Astronautics (IAA), Member of the Astrodynamics Committee of the International Astronautical Federation (IAF), Chairman of the Mission and Constellation Design Session of the IAC Astrodynamics Symposium. Miguel was Member of the European Space Agency Space Debris Advisory Group (SDAG) and Invited Professor on Space Debris Environment at the Universidad Politécnica in Madrid and Celestial Mechanics at La Sapienza University in Rome.



contributors:





### Mothibi Ramusi

#### Director - Transformation and Empowerment, ZASpace

Mr Mothibi was responsible, amongst others, for the advancement of the National Space programme through the satellite Application Centre (a division of the CSIR), where he was positioned as a centre manager. The outcome of his contribution led to the establishment of the recently launched SA National Space Agency (SANSA). He served as Technical Advisor to the minister of communications from July 2009 to December 2020. Served as a member of the Advisory committee on Health Technology for the minister of Health, an ICT Panel Policy member of communications, and also the chairperson of the GSG Africa Regional interest Group (RIG) - Regulatory and policy. He is now employed at the National Lotteries Commission as the Chief Information Officer (CIO).



### Pierre Bahurel

#### Director General of Mercator Ocean International

Pierre BAHUREL is the Director General of Mercator Ocean International, a non-profit organisation delivering an operational ocean monitoring and forecasting service worldwide. Pierre has worked on space altimetry, modelling and data assimilation applied to operational oceanography and was among the founders of Mercator Ocean in 1995, which he has been leading and developing since then, fostering digital oceanography general-interest services and multi-national governance to create a unique centre in Europe. Mercator Ocean International has been entrusted by the European Commission for implementing the Copernicus Marine Environment Monitoring Service of the European Union. Pierre has federated a large community of European public and private partners, all active members of digital oceanography and ocean prediction, and now actively engaged in the implementation of this EU Copernicus Marine service recognized by thousands of users worldwide. He is deeply involved in the international structuration of operational oceanography towards a sustainable ocean, supporting the EU vision for a green and digital transition of the society and committed to contributing to the UN Decade of Ocean Science for Sustainable Development.



### Sara Medina

#### Enrich in Africa

Dr. Sara Medina is a Member of the Board of SPI - ([www.spieurope.eu](http://www.spieurope.eu)), an international consulting Group with offices located in Europe (Portugal and Spain), North America (USA) and Asia (Beijing and Macao) and SPI Ventures, that promotes activities related with entrepreneurship and start-ups. Dr. Medina contributes to the overall management of SPI, being responsible for managing SPI's activities and services in China since 2004 as well as in the Southeast Asian market. Additionally, through the implementation of funded projects and in fostering successful strategic partnerships, SPI has a vast network of high-level connections in Africa, having developed a thorough knowledge regarding the scientific, innovation, technology and entrepreneurship landscape in Africa.

She has coordinated projects for public and private sector clients in Europe and around the world, including projects for international organizations in innovation management, technology transfer, R&D, internationalization, sector studies, establishment of partnerships and policy development. She also manages projects funded by the European Commission (EC), the World Bank and Inter-American Development Bank. Dr. Medina was an invited member of the Access to Risk Finance Advisory Group appointed by the EC, DG Research and Innovation. Dr. Medina is a Member of the



contributors:



Board of the Portugal Indonesia Chamber of Commerce, and also takes part in the Portuguese “Women Leaders Network”.

Dr. Medina has been actively involved in the various activities that SPI has developed in Africa throughout the years. A few examples of recent projects in which Dr. Medina took part on behalf of SPI as a coordinator are: the Development of the Cabo Verde Technology Park Business Plan, to support the Cabo Verde Government’s efforts in the operationalization of a Technology Park that will contribute to the sustainable development of the country by supporting the Information and Communication Technology industry; another example is The Global Entrepreneurship Monitor Study – GEM Angola, a study to assess the national level of entrepreneurial activity, that is developed by SPI since 2008 in Angola. Another example is ENRICH in Africa aiming at connecting European and African incubation and acceleration communities, enhancing innovation and co-creation opportunities, while aiming to reduce and/or overcome barriers to internationalisation for innovative SMEs and startups in Europe and Africa, empowering entrepreneurship and business success.

Dr. Medina has a Bachelors degree in Food Engineering from the College of Biotechnology in Portugal, a European Masters degree in Food Studies from 5 major European Universities and a Ph.D. degree in Food and Resource Economics from the University of Florida, USA. Dr. Medina has concluded courses on Innovation and Leadership at the Universities of Wharton and Harvard and successfully completed the INSEAD Asia International Executive Programme, the Managing Global Virtual Teams Programme and the Negotiation Dynamics Programme in Singapore and France, respectively. More recently, Dr. Medina also finished the Advanced Management Program, a joint course from Católica Lisbon Business & Economics with the Northwestern Kellogg School of Management that took place in Lisbon and Chicago.



#### Toto Matshediso

##### Deputy Director: Strategic Partnerships at Department of Science and Innovation

Mr Toto RN Matshediso is the Deputy Director: Strategic Partnerships at Department of Science and Innovation, South Africa (SA). His role is to support participation of the South African National System of Innovation stakeholders in the European Union (EU) programmes of strategic importance to South Africa. He is responsible for the management of the SA financial instrument to support SA institutions participating in SA-EU projects. His portfolio of programmes include EUREKA, Horizon Europe, COST and ERA-NET co-funded projects. He is responsible for Africa-EU collaboration on strategic projects of mutual benefit. Mr Matshediso has a Master’s Degree in Business Administration, and a Bachelor’s degree in Public Management. He has career spanning to over 20 years in different institutions in corporate services, banking, United Nations, donor funding, project and programme management.



contributors:





#### Vinny Pillay

##### Chief Director - International Resources at the South African Department of Science & Innovation

Ms Vinny Pillay is currently the Chief Director - International Resources at the South African Department of Science & Innovation. Prior to this, she held the post of Senior Science & Technology Representative to the EU, based at the South African Embassy in Brussels.

She holds a Masters Degree in Science, and a Masters Degree in Business Leadership, with experience in international relations, the science and technology sector as well as the environmental sector. She also previously held the post of Chief Director - Bilateral Cooperation, in which she managed the science, technology and innovation cooperation between South Africa and strategic partners in Europe, Americas, Asia and the Gulf. In engaging with bilateral partners, focus has been on value addition to the South Africa science system, promoting research, exchanges, human capital development as well as policy dialogues in key science, technology and innovation priority areas. She has also been involved in environmental and sustainable development issues through various roles, including as Senior Policy Advisor in International Sustainable Development and Trade Co-operation at the South African National Department of Environmental Affairs. A large part of the portfolio included engagement with multilateral environmental agreements. She also has experience in environmental planning, having worked with the various tiers of Government in South Africa, as Director - Environmental Governance and Planning.



#### Zoltan Szantoi

##### Land Applications Scientist for the European Space Agency's Earth Observation Program - Data Application Division

Zoltan Szantoi works for the European Space Agency's Earth Observation Program - Data Application Division as a Land Applications Scientist. Zoltan has been engaged in earth observation for over 15 years including agricultural applications of satellite data, developing land use and land cover monitoring techniques and systems, research to improve the detection of small-scale farming of cash crops in developing countries. He has been involved in Africa related research and policy activities in the past 10 years, through his current role at ESA and through his previous appointment at the Joint Research Centre of the European Commission. Zoltan also serves as a research fellow at Stellenbosch University, South Africa.

## 2. Logistics

**Guide-pack will be prepared for participants**



contributors:



### 3. Registration

Website will be prepared for registration of participants (in-person and online)

### 4. Organizing Committee

(Include description, pictures, contact details)

NAME	POSITION	MOBILE NUMBER
<b>Toto Matshediso</b>	Acting Director: Strategic Partnerships & EUREKA NPC	+27609654077
<b>Karabo Mphogo</b>	Assistant Director: Strategic Partnerships and EUREKA Project Officer	+27761057482
<b>Keitumetse Naane</b>	Intern	+27715233228
<b>Asavela Jamile</b>	Intern	+27787763447
<b>Tumisang Modiole</b>	Deputy Director: Earth Observations	+27835157243
<b>Itumeleng Makoloi</b>	Director: Space Systems	+27834157190
<b>Zipho Zwane</b>	Portfolio Manager: International Partnerships and Deputy NPC (Technology Innovation Agency)	+27833795478
<b>Asanda Sangoni</b>	Space & Stakeholder Liaison Specialist (SANSa)	+27817164043



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