


2023/05/31	<b>ARISE Board Elections</b> <b>Self-nomination Form</b> (deadline for submission: 21 June 2023)	 <b>arise</b>
PU-BENF		
Revision: 1		
Page 1 of 21		

## 1. Basic information

**1.1 Nominee’s name:**

Dr Karim SELOUANE

**1.2 Title:**

Founder and CEO

**1.3 Company:**

RESALLIANCE : www.resalliance.com

**1.4 ARISE member since (specified in the ARISE welcome letter):**

2021

**1.5 Current ARISE Board member:**

No


**1.6 Network or individual member:**

Network Member: My network leader has endorsed my application.

**If “Network Member,” please specify [which network](#):**

Europe

Individual Member (i.e. no network affiliation)

2023/05/31	<b>ARISE Board Elections</b> <b>Self-nomination Form</b> (deadline for submission: 21 June 2023)	 <b>arise</b>
PU-BENF		
Revision: 1		
Page 2 of 21		

## 2. Curriculum Vitae

Karim SELOUANE has over 18 years of experience spanning both industry, academia, and support to policy makers regarding strategies for the management of climate risks to territories, cities and projects.


Karim also has over 15 years of experience in the field of climate resilience of built environments and cities in Europe, Asia and Africa. He participated in the first urban environment observatory of African cities between 2004 and 2008.

### CURRICULUM VITAE (CV) OF Karim SELOUANE

<b>1. Name of staff (full name):</b>	Karim SELOUANE		
<b>2. Proposed Position:</b>	Climate change adaptation and Resilient cities, territories and Infrastructures		
<b>3. Employer:</b>	RESALLIENCE		
<b>4. Date of Birth:</b>	07/06/1980	<b>Nationality:</b>	French & Moroccan

#### 5. EDUCATION

School, college and/or university attended	Degree/certificate or other specialized education obtained	Date Obtained
Ecole des Mines de Paris - ENSMP	PhD Engineer Geosciences (Dynamics and resources for sedimentary basins – <b>Specialization adaptation to natural risk &amp; climate change / GIS &amp; remote sensing / Land planning and infrastructure planning in Saharan and Sahelian countries</b> : Mines ParisTech, France	08/2008
Sciences National School of Geographic Sciences - ENSG	Master's in Engineering, Geomatics and Geographical Information Sciences <b>Specialization in Natural risk, climate change modelling by satellite imagery and remote sensing applied to infrastructure and land planning in in Saharan and Sahelian countries</b>	07/2002
Paris Sorbonne University, National Institute of Geography - France	Master 2: Physical geography and Land planning, <b>natural risk and planning applied to geographic information sciences and optical-radar, remote sensing</b>	07/2001


2023/05/31	<b>ARISE Board Elections</b> <b>Self-nomination Form</b> (deadline for submission: 21 June 2023)	
PU-BENF		
Revision: 1		
Page 3 of 21		

## 6. PROFESSIONAL CERTIFICATES OR MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS

- Since 2018: Member of Space Climate Observatory (UNEP and CNES)
- Since 2019: Member of the United Nations Environment Programme (UNEP) Working Group: Sustainable Urban futures / Integrated Urban Systems / Global Open Platform for Planetary Data Powered by Frontier Technologies
- Since 2021: Member of steering committee adaptation of Global ABC (adaptation for alliance for building and construction) and co-chair of the climate change adaptation technical groups”
- Since 2021: Member of Coalition for Disaster Resilient Infrastructure (CDRI)
- Since 2020: Member of the International Coalition for Climate Resilient Investment (CCRI)
- Since 2020: Member of the World Road Association – Technical Committee: Towards more sustainable road infrastructures
- Since 2021: Member of the standardization committee AFNOR and ISO Sustainable and climate resilient city and territory
- Since 2021: Member of the standardization committee CEN ISO Climate Change adaptation
- 2015 – 2020: Member of the scientific council of the international label "city and resilient building" of the international EFFICACITY program
- 2018 – 2022: President (and co-founder) of the think tank ALTERS-association (Association of Laboratories of Territories, Companies resilient & solidary)
- 2019 2020: Member of task force “UN Science-Policy-Business Forum on the Environment” (UN-SPBF) United Nations Environment Program
- Since 2018: Member of the European Commission Working Group “European framework for strengthening Critical Infrastructure Resilience”
- Since 2019: Member of the Global Risks Workshops (French Ministry of Environment, French Society of “Préventique”)
- 2002 2006: Member of the Saharan Multidisciplinary Study Group – Université Mohamed V – Morocco and Mauritania, CRTS (Royal Center for Remote Sensing of Morocco) in Partnership with European research center, Mauritanian university, Moroccans research institute and Malians university.
- Since 2019: Member of the first African Urban Environments Geomatics (by GIS & Remote Sensing) Observatory: University in Yaounde (Cameroun), CNRS (France), Ecole des Mines de Paris (France) & al.
- Since 2020 : Co-chair of Adaptation Working Group of the Global Alliance for Building and Construction (hosted by UNEP)
- Since 2022 : Member of the mission board of climate change adaptation of the European Commission

## 7. OTHER RELEVANT TRAININGS

- **2021** : Certificate from UNDDR office for Disaster risk Reduction, United Nations office for south south Cooperation, World Health Organization : Build back better : Harnessing south south cooperation and risk reduction planning for resilient and healthy cities in the post COVID19 era for local authorities and urban development practitioners
- **February 2020**: Certificate from the Association of Geographers of Africa (AGCI Côte d'Ivoire - Earth observation program of GMES and AFRICA - UNDP - AFD) : climate change in Sub-Saharan Africa: from vulnerability to adaptation & contribution of earth observation (remote sensing) in the fight against global warming.
- **September 2019**: International summer school Climate change resilience – University Copenhagen in partnership with UNDP/CTCN/ICLEI/ World Bank

2023/05/31	<b>ARISE Board Elections</b> <b>Self-nomination Form</b> (deadline for submission: 21 June 2023)	 <b>arise</b>
PU-BENF		
Revision: 1		
Page 4 of 21		

- **September 2017:** International Summer school: Resilience city : Fabrique de la Cité & Veolia
- **2008:** Simulated Prospective Workshop from “Ecole des Mines de Paris” – CGES” 2002  
GEOIDE International(Toronto University of Scarborough): GIS / remote sensing & LIDARacquisition

## 8. COUNTRIES OF WORK EXPERIENCE

List countries where staff has worked in the last ten years

- Cambodia, India, Vietnam, Philippine, France, Morocco, Mauritania, Mali, Burkina Faso, Togo, Liberia, Senegal, Ivory Coast, Niger, Ghana, Kenya , Egypt, Cap Verde, Cameroun, Kazakhstan, Australia, , Haiti, Dominica, Dominican, Barbados, Cp Vert, Madagascar, Canada, India, Malaisia, Singapore, Japan, China, Mianmar, Indonesia, Thailand, Ethiopia, Tanzania, Poland, France, Spain, Italia, USA, Colombie

## 9. LANGUAGES

For each language indicate proficiency: good, fair, or poor in speaking, reading and writing

Language	Reading	Speaking	Writing
French	Good	Good	Good
English	Good	Good	Good
Arabic	Good	good	Good
German	Fair	Fair	Poor

## 10. EMPLOYMENT RECORD

**SINCE 2022**

**EMPLOYER:** European Commission

**POSITIONS HELD:** Mission Board member for the Adaptation to Climate Change Mission for The European Climate, Infrastructure and Environment Executive Agency (CINEA)

**SINCE 2020**


**EMPLOYER:** Global Alliance for Building and Construction

**POSITIONS HELD:** Co-chair of the Adaptation Working Group for building and cities : [10 principles ENG 2.pdf \(globalabc.org\)](#)

**SINCE 09/2018**

**EMPLOYER:** RESALLIENCE by SIXENCE, France

**POSITIONS HELD:** Founder and CEO

2023/05/31	<b>ARISE Board Elections</b> <b>Self-nomination Form</b> (deadline for submission: 21 June 2023)	
PU-BENF		
Revision: 1		
Page 5 of 21		

(Worldwide projects including in Sub-Saharan Africa)

**FROM 01/2015 To 12/2018**

**EMPLOYER: Vinci Construction (& VINCI Construction France)**

**POSITIONS HELD: Intrapreneur at LEONARD: PARIS, and Director of climate change adaptation and environmental , GIS and innovative projects**

(Worldwide projects including in Sub-Saharan Africa)

**FROM 2013 TO 2014**

**EMPLOYER: Spie Oil & Gas**

**POSITIONS HELD: Business Development Manager Africa, Middle East and Asia**

(Worldwide projects including in Sub-Saharan Africa)

**FROM 2011 TO 2013**

**EMPLOYER: SOFRECO**

**POSITIONS HELD: Director of mining and petroleum projects – Sustainable Development Department**

(Worldwide projects including in Sub-Saharan Africa)

**FROM 2006 To 2011**

**EMPLOYER: VEOLIA**


**POSITIONS HELD: Research engineer – Technical, Scientific and Investment Department**

(Urban Flood Resilience projects worldwide including in Sub-Saharan Africa)

**FROM 2002 To 2006**

**EMPLOYER: Agency for Development and Social Promotion of the Southern Provinces of Morocco/Mauritania/Mali**

**POSITIONS HELD: Consultant**

2023/05/31	<b>ARISE Board Elections</b> <b>Self-nomination Form</b> (deadline for submission: 21 June 2023)	
PU-BENF		
Revision: 1		
Page 6 of 21		

## 11. WORK UNDERTAKEN THAT BEST ILLUSTRATES CAPABILITY TO HANDLE THE TASKS ASSIGNED

**Name of assignment or project:** Strengthen CCA consideration into urban planning through an approach combining mobility, transport & the built environment

**Year:** 2022 - 2024

**Location:** Countries of the “Global South” including countries of Sub-Saharan Africa

**Client:** ADEME – French Environmental Agency (in partnership with Global Alliance for Building and Construction (hosted by UNEP) and Mobilize Your Cities)

**Main project features:** Strengthening the consideration of adaptation to CC in multilateral international initiatives on urban planning through an approach combining mobility, transport & the built environment

**Position held:** Team Leader – Climate Change Adaptation & Flood Hazard

**Activities performed:** Exposure and Vulnerability Assessment, Resilience Mobility Strategy, Urban Planning Strategy

**Name of assignment or project:** Risk assessment and design support for climate resilient water services in Borana (Ethiopia)

**Year:** 2023

**Location:** Borana, Ethiopia

**Client:** Global Center of Adaptation (in partnership with African Bank of Development)

**Main project features:** The objective of this assignment is to provide technical assistance for the identification and design of – infrastructural and non-infrastructural – measures to strengthen the climate resilience of water services for livelihoods and people in Borana region, Ethiopia.

**Position held:** Team Leader – Climate Change Adaptation & Flood Hazard

**Activities performed:** exposure and vulnerability assessment and hydrology and hydraulic modeling

**Name of assignment or project:** Climate and Disaster Risk Assessment of the Dar es Salaam to Isaka Railway line (970 Km) in Tanzania

**Year :** 2023

**Location :** Tanzania

**Client :** World Bank/Tanzania Railway Corporation

**Main project features:** Carrying out a complete climate and disaster risk assessment (exposure, vulnerability, solutions, emergency response plan)

**Position held :** Team Leader – Climate Change Adaptation & Flood Hazard

**Activities performed:** Climate and Disaster Risk Assessment (Collection of relevant data, Diagnosis of risk and vulnerabilities of railway infrastructure and operation services, Development of Climate Resilience Management Plan, Training to the TRC staff and other relevant stakeholders regarding emergencies management and climate resilience), Emergence Preparedness and Response Plan (Elaboration of Emergence Restoration Plan, Development of the framework of the flood detection system for the Kilosa – Gulwe section of the railway line, Development of guidelines on how to manage emergence response and works for railway safety, Training sessions to the TRC emergence staff)

**Name of assignment or project:** RESILIENT MASS TRANSIT INFRASTRUCTURE in Douala – Cameroon

**Year:** 2022-2023

**Location:** Douala – Cameroon


**Client:** World Bank

**Main project features:** Inform the technical design of the future mass transit system in Douala, by identifying and prioritizing measures and infrastructure investments for increasing the future system’s climate-resilience using nature-based solutions and capacity building amongst other solutions

**Positions held:** Urban Flood Resilience Expert

**Activities performed:** coordination between all the stakeholder, resilience mobility strategy, Urban planning strategy, infrastructure planning strategy; socio-economic vulnerability assessment

**Name of assignment:** Mission Board member for the Adaptation to Climate Change Mission for The European Climate,

2023/05/31	<b>ARISE Board Elections</b> <b>Self-nomination Form</b> (deadline for submission: 21 June 2023)	 <b>arise</b>
PU-BENF		
Revision: 1		
Page 7 of 21		

Infrastructure and Environment Executive Agency (CINEA) – European commission

**Year:** July 2022

**Positions held:** Mission board member

**Name of assignment or project:** Prospective studies on water resources at departmental level

**Year:** 2022

**Location:** Corrèze, France

**Client:** Conseil Départemental de la Corrèze

**Main project features:** Development of a decision-support tool for water resources management at departmental level relying on the results of the analysis of existing and future water uses and on the diagnosis of the vulnerability of these uses to climate risks

**Positions held:** Project Director

**Activities performed:** Key expert on climate change adaptation / teams leader / Control quality

**Name of assignment or project:** Measuring the impact in cultural landscapes of the M6 OAP

**Year:** 2022

**Location:** N/A

**Client:** IUCN

**Main project features:** Proposal for a homogeneous classification of agricultural land cover; Identification of key stakeholders; Production of land cover maps at various time scales; Dashboard creation for each study area; Creation of a “GIS framework” to support the calculation of connectivity and IUCN species indicators

**Positions held:** co-Team Leader

**Name of assignment or project:** Incorporating disaster and climate risk management into Albania’s bridge investments and management system

**Year:** 2022

**Location:** Albania

**Client:** World Bank

**Main project features:** Revise Methodology for the implementation of the consultancy activities; Prepare Guideline on How to Include Resiliency Measures in Albanian’s Bridge Management System; Support the Prioritization of Bridge Interventions and the Inclusion

**Positions held:** Key expert on climate change adaptation

**Name of assignment or project:** Resilient mass transit infrastructure in Douala

**Year:** 2022


**Location:** Cameroon

**Client:** World Bank

**Main project features:** Reviewing background data and studies and confirming the methodological approach; Assessing the risk of investments and identifying critical points and points of disruption; Prioritizing measures and infrastructure investments to increase the resilience of the transportation system around the future BRT; Supporting the preparation of O&M protocols, emergency response plans, contingency plans for BRT and other formal transportation services in case of extreme events; Review of transportation infrastructure construction codes and standards to assess the integration of climate-related risks; Developing training modules on climate change and urban mobility for use in conducting and reporting on studies and in LUTP training

**Positions held:** Co-team Leader – **Urban Flood Resilience Expert**

**Name of assignment or project:** Reinforcing Multilateral International initiatives on Climate change Adaptation – MICA

2023/05/31	<b>ARISE Board Elections</b> <b>Self-nomination Form</b> (deadline for submission: 21 June 2023)	
PU-BENF		
Revision: 1		
Page 8 of 21		

**Year:** 2022-2024

**Location:** **Global South including** Asia Countries (India with the Coalition for Disaster Risk for Infrastructures)

**Client:** ADEME / Global ABC (alliance for Building and Construction)

**Main project features:** Elaboration of the 10 essential principles of adaptation of urban planning to CC under the prism of the link between mobility and built environment; Elaboration of a guide to include the 10 principles in the GlobalABC; Organization of 3 seminars; development of an awareness campaign

**Positions held:** Team Leader

**Name of assignment or project:** Disaster Risk Management – Hanoi line 5

**Year:** 2021 - 2022

**Client:** The World bank Group

**Location:** Vietnam

**Main project features:** The scope of work is composed of tasks that together will assess the disaster vulnerability, recommend resilience principles and standards for selected sub-systems of Line 5, recommend DRM-informed TOD concept plans, and provide capacity building trainings and workshops

**Positions held:** Key Expert Climate change adaptation– **Urban Flood Resilience Expert**

**Name of assignment or project:** Assessment of SEA High-Speed Line resilience to climate change

**Year:** 2021-2022

**Location:** Bordeaux

**Client:** LISEA

**Main project features:** The main objectives of the mission are i) to acquire knowledge in order to understand and analyse climate change in the geographical perimeter of the SEA high-speed line in the short and medium term, ii) to analyse the impacts of climate change on the availability of the high-speed line, iii) to analyse the potential impacts on the maintenance of the high-speed line, iv) to analyse the potential impacts of climate change on the policy of major maintenance and renewal of the infrastructure.

**Positions held:** co teams leader and quality control– **Urban Flood Resilience Expert**

**Name of assignment or project:** Global Upstream Platform on Resilience for Small Islands and Small States

**Year:** 2021

**Location:** Dominica

**Client:** IFC & World Bank

**Main project features:** Development of a **GIS-based resilience platform** for small islands and small states, applied to the use case of Dominica’s critical infrastructures **including nature-based solution and satellite data**

**Positions held:** Team Leader– **Urban Flood Resilience Expert**

**Activities performed:** Definition of specific infrastructure interventions to meet resilience targets; Development of a **GIS-based decision support tool** to prioritize critical infrastructure investments; Carrying out market sounding for investments with private sector participation potential.

**Name of assignment or project:** Support mission for the integration of environmental and climate issues into the URBAYITI program - **Urban governance and resilient cities**

**Year:** 2020-2021

**Location :** Haïti


**Client:** Expertise France (AFD – French Agency Development)

**Main project features:** Identifying and assessing, in a collaborative manner, the potential future environmental and climate impacts of the activities supported by the program and to identify environmental opportunities **including nature-based solution**.

**Positions held:** Technical contributor

**Activities performed:** -Background study on the identification of the main environmental and natural resource risks and constraints to the implementation of the activities envisaged under the URBAYITI program.



2023/05/31	<b>ARISE Board Elections</b> <b>Self-nomination Form</b> (deadline for submission: 21 June 2023)	 <b>arise</b>
PU-BENF		
Revision: 1		
Page 9 of 21		

**Name of assignment or project: Use of digital technologies to develop a methodology to increase climate resilience in the city of Ouagadougou – Burkina Faso**

**Year:** 2021-2022

**Location:** Ouagadougou – Burkina Faso

**Client:** CTCN (UNON)

**Main project features:** i) develop and implement a methodology based on satellite technologies to identify sites for the promotion of urban green infrastructure, ii) prepare a plan to implement and manage green infrastructure on the identified sites, iii) and draft a concept note to facilitate the financing of the proposed projects. This assignment also seeks to contribute to capacity building in green infrastructures in Burkina Faso and awareness rising to the challenges of sustainable cities among the youngest and most vulnerable populations.

**Positions held:** Project leader – **Urban Flood Resilience Expert**

**Name of assignment or project : Coalition for climat resilient Investment (CCRI): development of the first framework for the translation of physical climat risk data in cash flow modelling and asset valuation process**

**Year :** 2020 2022

**Location :** France, Cambodge, Vietnam, Cambodia, USA, UK, Greece, Indonesia, Kenya, Ouganda, Nigeria

**Client:** (Global Commission on adaptation, Center for adaptation, World Economic Forum, UN Climat Change Conference UK 2020, Willis Towers Wastso)

**Main project features:** The Goal of the project is to transform infrastructure investment by integrating climate risks into decision-making, driving a shift toward a more climate resilient economy for all countries, including the most vulnerable. Building the economic and financial case for climate resilient investments will mobilise capital into resilient infrastructure and foster a more resilient financial industry

**Position held:** Key expert on resilience critical infrastructure (transport, energy and water)

**Activities performed:** Within the framework of its candidacy, the international consortium needs: To have a status report of the information contained within the tender document and the dataroom concerning the subject of climate, i.e. resilience and adaptation to climate change ;To provide an analysis of the expectations of the investment regarding the climate in the cash flow modelling; To identify the climate-related issues identified by previous technical studies and possible assessment works within the previous studies in the dataroom to design the cash flow modelling; Engineering module team review workplan; A strengthened market for private and public sector investment in climate resilient infrastructure; Reduced climate risk resulting from a shift in the flow of investment towards climate resilient infrastructure ; Support for climate vulnerable geographies to attract investment and prevent capital flight as climate risks become more evident

**Name of assignment or project: RESILIENT MASS TRANSIT INFRASTRUCTURE in Ouagadougou – Burkina Faso**

**Year:** 2020

**Location:** Ouagadougou – Burkina Faso

**Client:** World Bank

**Main project features:** Inform the technical design of the future mass transit system in Ouagadougou, by **identifying and prioritizing measures and infrastructure investments for increasing the future system’s climate-resilience using nature-based solutions amongst other solutions**

**Positions held:** **Team leader** - Climate adaptation expert

**Activities performed:** **coordination between all the stakeholder, resilience mobility strategy, Urban planning strategy, infrastructure planning strategy;** socio-economic vulnerability assessment


**Name of assignment or project: CCMSUT Indian Project**

**Year:** 2020-2022

**Location:** India

**Client:** AFD (French Agency of Development)

**Main project features:** Preparation of Climate Change Mitigation Strategy for Urban Transport in India and definition of an urban mobility observatory at national level, including resilience and climate change adaptation strategy to the **disaster risk management, urban planning and transport infrastructure. Definition of the SDG’s compliance strategy and implementation to the urban mobility road and nature-based solution**

2023/05/31	<b>ARISE Board Elections</b> <b>Self-nomination Form</b> (deadline for submission: 21 June 2023)	
PU-BENF		
Revision: 1		
Page 10 of 21		

**Positions held:** Key Expert Climate change adaptation– **Urban Flood Resilience Expert**  
**Activities performed:** **coordination between all the stakeholder, resilience mobility strategy, Urban planning strategy, infrastructure planning strategy;** monitoring of natural hazards; socio-economic vulnerability assessment and **satellite data**

**Name of assignment or project:** **CORE project: Human Factors, and social, societal, and organizational aspects for disaster-resilient societies**

**Year:** 2020-2022

**Location:** Europe

**Client:** European Commission – H2020 Project

**Main project features:** Preparation of Climate Change Mitigation Strategy for European communities and definition of a socio-economical observatory at European level, including resilience and climate change adaptation strategy to the **disaster risk management, urban planning and transport infrastructure. Definition of the SDG's compliance strategy and implementation to social and human European policy**

**Positions held:** Key Expert in Climate change adaptation

**Activities performed:** **Coordination between all the stakeholder, resilience society and community's strategy, Urban planning strategy, infrastructure planning strategy;** monitoring of natural hazards; socio-economic vulnerability assessment and **nature-based solution**

**Name of assignment or project:** PROBONO

**Year:** 2021 – 2023

**Client:** European Commission – H2020 Project

**Location:** Europe

**Main project features:** The PROBONO vision is a people-focused European construction industry working in harmony with the broader community of stakeholders including public authorities and citizens to deliver scalable, sustainable, and viable energy positive and zero-carbon Green Buildings and Neighbourhoods (GBN). PROBONO will contribute to this vision by providing five GBN Transition Acceleration Enablers (Figure 1), deployed in six high impact and people-focused real-life large-scale Living Labs (LLs) (leveraging existing projects and/or approved renovation plans). LL outputs will be feeding into a transferability and innovation replication framework that will enhance the transition capabilities of local communities.

**Positions held:** Project manager

**Activities performed:** Analysis of climate adaptation of resilience support measures and development of a common rating scale (refer to value profiling or value benchmarking) to measuring multiple sustainability related KPIs, thus allowing designers (i.e. architects and engineers) to evaluate them while developing design/renovation scenarios. And development of a Climate adaptation and resilience tool. Support climate change impacts and risks and specify mitigation and adaptation options taking into account territorial diagnostics, weather and climate data services predictive monitoring, and technology options

**Name of assignment or project:** OISSEL project

**Year:** 2020-2022

**Location:** Senegal - City of Saint-Louis du Senegal

**Client:** Space Climate Observatory (SCO) labeled project funded by UNDP

**Main project features:** Development of a **GIS-based decision support monitoring tool** by observing, evaluating and anticipating the impacts of climate change, using **satellite data**, in situ data and socio-economic activities data applied to the **disaster risk management, urban planning and transport infrastructure. Definition of the SDG's compliance strategy and implementation to the urban mobility roadmap and Urban planning roadmap**

**Positions held:** Co-Team Leader– **Urban Flood Resilience Expert**


**Activities performed:** **GIS architecture, design, implementation and maintenance, resilience Urban planning strategy;** monitoring of natural hazards; socio-economic vulnerability assessment

**Name of assignment or project:** Resilience of line 15 west - southern part (of Grand Paris express) to the risks of pandemic and flooding (INTENCITES15, France)

**Year:** 2020 2021

**Location:** Paris - France

**Client:** INTENCITES15 (Societe du Grand Paris Project)

2023/05/31	<b>ARISE Board Elections</b> <b>Self-nomination Form</b> (deadline for submission: 21 June 2023)	 <b>arise</b>
PU-BENF		
Revision: 1		
Page 11 of 21		

**Main project features:** diagnosis of exposure to natural and climatic risks of international subway transport infrastructures in Ile de France / Grand Paris area through notably satellite data and the evaluation of nature-based solution (Study subject to a NDA). **Definition of the climate change adaptation and mitigation strategy for Societe du Grand Paris (subway and railway Line 15 project)**

**Positions held:** Key Expert on Climate change adaptation.

**Activities performed:** Preparation of Climate Change Mitigation Strategy for Urban Transport in Accra including resilience and climate change adaptation strategy (CAPEX, OPEX) to the disaster risk management, urban planning and transport infrastructure. **Definition of the SDG's compliance strategy and implementation to national mobility roadmap.** Evaluation of the impact of climate change to the CAPEX and OPEX and insurance cost

**Name of assignment or project:** RESILIANCE project

**Year:** 2020-2022

**Location:** France

**Client:** ADEME

**Main project features:** R&D project to develop GIS-based tools for a better adaptation of buildings to climate change including meteorological scenarios, satellite data, thermal comfort modeling and cost-effectiveness analysis.

**Positions held:** Technical contributor

**Activities performed:** Benchmark of technical solutions; Cost-effectiveness analysis of international best practices and specifications.

**Name of assignment or project:** GIS-based assessment of the vulnerability of the rail network to climate change: Case of the Seine Axis

**Year:** 2020-2021

**Location:** France

**Client:** SNCF (French national railway company)

**Main project features:** Determination of the vulnerability of the Seine axis rail network to the effects of climate change including satellite data and nature-based solution

**Positions held:** Technical contributor

**Activities performed:** Analysis of physical sensitivities and vulnerability increasing factors; Physical Sensitivity Scoring; Physical Vulnerability Scoring.

**Name of assignment or project:** GIS-based assessment of nature-based solutions to reduce environmental impacts

**Year:** 2020-2021

**Location:** France

**Client:** Bordeaux Métropole

**Main project features:** Identification of the Noise Black Points (PNB) in several Bordeaux's neighborhoods and specifications of technical solutions, including nature-based ones, to mitigate them, improve air quality and better adapt to climate change impacts.

**Positions held:** Technical contributor

**Activities performed:** Benchmark of technical solutions acting for reducing both noise, pollution and climate impacts; test of some solutions and cost-effectiveness analysis.


**Name of assignment or project:** Technical assistance relative to the implementation of a climate change adaptation strategy – Current and future GIS-based (including satellite data) vulnerability assessment

**Year:** 2020-2021

**Location:** France (Metropolitan and Overseas island)

**Client:** CDC-Habitat - Groupe Caisse des Dépôts

**Main project features:** Definition of the climate change adaptation and mitigation strategy for CDC-Habitat. Definition of the compliance between SDG's, the Paris Agreement and the CDC Habitat roadmap. Coordination of the GIS-based vulnerability diagnosis of CDC Habitat's assets. Development of a tool to enhance the resilience of buildings to climatic hazards within the

2023/05/31	<b>ARISE Board Elections</b> <b>Self-nomination Form</b> (deadline for submission: 21 June 2023)	
PU-BENF		
Revision: 1		
Page 12 of 21		

framework of an adaptation strategy including **nature-based solution**. Methodology testing on the sample of existing buildings (6 buildings) and new buildings (1 project). Evaluation of the impact of climate change to the CAPEX and OPEX

**Positions held:** Team Leader

**Activities performed:** **Climate change adaptation strategy, coordination between all the stakeholder, GIS-based** vulnerability mapping of the assets; Resilience Performance Tool development; Application to the methodology concerning a set of buildings.

**Name of assignment or project:** **Evaluation of the Road infrastructure resilience facing climate change in city aera**

**Year:** 2019

**Location:** Greece – Athena aera

**Client:** Olympia Odos

**Main project features:** Preliminary **diagnosis of exposure to natural and climatic risks** of international road transport infrastructures in Greece and in Athene aera **through notably satellite data and the evaluation of nature-based solution** (Study subject to a NDA)

**Positions held:** Team Leader

**Activities performed:** Preparation of Climate Change Mitigation Strategy for Urban and national Transport in Greece and in Athena aera including resilience and climate change adaptation strategy (CAPEX, OPEX) to the **disaster risk management, urban planning and transport infrastructure. Definition of the SDG's compliance strategy and implementation to the urban and national mobility roadmap, investment and insurance cost**

**Name of assignment or project:** **GIS-based platform** dedicated to climate **risks analysis** about worldwide **airport infrastructures wit a pilote test in Japan and Cambodia and Thailand**

**Year:** 2020

**Location:** Worldwide including Asia aera

**Client:** Vinci Airport

**Main project features:** Development and delivery of a **GIS-based platform** for diagnosing and monitoring exposure to climate risk for internationally distributed concessions in order to plan adaptation and crisis management measures. Evaluation of the impact of climate change to the CAPEX and OPEX and **insurance cost through notably satellite data and the evaluation of nature-based solution**

**Positions held:** **Team Leader**

**Activities performed:** Definition of data needed for GIS-based monitoring and analysis of climate risks; Definition of the methodology and its steps.

**Name of assignment or project:** **GIS-based** quantification of an innovative coating technology to quantify the cooling effect of a place

**Year:** 2020

**Location:** France

**Client:** Eurovia (Vinci-Group)

**Main project features:** Determination and quantification how the customer technology can play a role in reducing the effects of urban heat islands including notably **nature based solution**.


**Positions held:** Project manager

**Activities performed:** Design and production of a digital **GIS model of a study site**; definition of the thermal and radiative characteristics of the materials; Quantification of the cooling potential with/without the innovative proposal for a period of 3 full days during a phase of high heat. Post-treatment and analysis. Calculation of a Universal Thermal Comfort Index (UTCI) and **remote sensing measurement by satellite data**.

**Name of assignment or project:** GIS-based quantification of **nature-based solutions** cooling effect in an urban development project.

**Year:** 2020

**Location:** France-Olympic Village for Paris 2024

2023/05/31	<b>ARISE Board Elections</b> <b>Self-nomination Form</b> (deadline for submission: 21 June 2023)	 <b>arise</b>
PU-BENF		
Revision: 1		
Page 13 of 21		

**Client:** Vinci Immobilier

**Main project features:** Quantifying the effect of Urban Heat Islands (UHI), valorizing Urban Fresh Islands and optimizing urban thermal comfort.

**Positions held:** Project manager

**Activities performed:** Design and production of a digital **GIS model of the study site**. 3D model of the site and definition of the thermal and radiative characteristics of the materials. Current and prospective simulations to quantify the cooling potential of vegetation during high heat episodes.

**Name of assignment or project:** **GIS-based** quantification of **nature-based solutions** cooling effect in a rail station

**Year:** 2019-2020

**Location:** France - City of Paris

**Client:** Station Nord

**Main project features:** Quantify the urban heat island effect within a Parisian train station, considering several landscaping projects of the study site, through notably **remote sensing and satellite data**.

**Positions held:** Technical Support

**Activities performed:** Collection of input data (study areas and obstacles, vegetation zones, meteorology, **satellite data**). **GIS-based** 3D modeling of air flows. Production of visuals illustrating the site's potential.

**Name of assignment or project:** **GIS-based** vulnerability and resilience assessment of industrial infrastructures to dune movement & erosion effect using **satellite data analysis and climate modelling**. **Year:** 2019-2020

**Location:** Kazakhstan

**Client:** ORANO-KATCO

**Main project features:** **GIS-based risk assessment** of industrial facilities. Assessment of the aggressiveness of the environment on the pipeline integrity and road infrastructure. Identification of the most vulnerable sections and implementation of nature-based solution to mitigate climate risk. Recommendations to mitigate wind sand effects and to enhance the pipeline maintenance system and the road logistic infrastructure. Evaluation of the impact of climate change to the CAPEX and OPEX and **insurance cost**. **Strategy to protect the "Saxaoul" (protected endemic tree species)**

**Positions held:** Team Leader

**Activities performed:** A field mission of five days with a **GIS-based photographic reportage** of all the observations made relative to the aggressiveness of the environment and the auscultation of the industrial facilities. **GIS-based risk assessment of the customer facilities**. Risk reduction recommendations and operational solutions.

**Name of assignment or project:** **Evaluation of the Road infrastructure resilience facing climate change in city aera**

**Year:** 2019

**Location:** Ghana – Accra city

**Client:** Vinci Concessions

**Main project features:** Preliminary **diagnosis of exposure to natural and climatic risks** of international road transport infrastructures in Accra City and Ghana (Study subject to a NDA) thought satellite data


**Positions held:** **Key Expert on Climate change adaptation**.

**Activities performed:** Preparation of Climate Change Mitigation Strategy for Urban Transport in Accra including resilience and climate change adaptation strategy (CAPEX, OPEX) to the **disaster risk management, urban planning and transport infrastructure including nature-based solution**. **Definition of the SDG's compliance strategy and implementation to the urban and national mobility roadmap**. Evaluation of the impact of climate change to the CAPEX and OPEX and **insurance cost**

**Name of assignment or project:** **Evaluation of airport network infrastructure resilience facing climate change in insular country**

**Year:** 2019

**Location:** Cap Verde islands

2023/05/31	<b>ARISE Board Elections</b> <b>Self-nomination Form</b> (deadline for submission: 21 June 2023)	
PU-BENF		
Revision: 1		
Page 14 of 21		

**Client:** Vinci Airport

**Main project features:** Preliminary **diagnosis of exposure to natural and climatic risks** of international airport transport infrastructures in Cap Verde Islands (Study subject to a NDA)

**Positions held:** **Key Expert on Climate change adaptation.**

**Activities performed:** Preparation of Climate Change Mitigation Strategy for Urban Transport in Accra including resilience and climate change adaptation strategy (CAPEX, OPEX) to the **disaster risk management, urban planning and transport infrastructure. Definition of the SDG's compliance strategy and implementation to national mobility roadmap.** Evaluation of the impact of climate change to the CAPEX and OPEX and **insurance cost**

**Name of assignment or project:** **Evaluation of airport network infrastructure resilience facing climate change in insular country**

**Year:** 2019

**Location:** **Republic of Dominica**

**Client:** Vinci Airport

**Main project features:** Preliminary **diagnosis of exposure to natural and climatic risks** of international airport transport infrastructures in Republic Dominica Islands (Study subject to a NDA)

**Positions held:** **Key Expert on Climate change adaptation.**

**Activities performed:** Preparation of Climate Change Mitigation Strategy for the Republic of Dominica including resilience and climate change adaptation strategy (CAPEX, OPEX) to the **disaster risk management, urban planning and transport infrastructure including nature-based solution. Definition of the SDG's compliance strategy and implementation to national mobility roadmap.** Evaluation of the impact of climate change to the CAPEX and OPEX and **insurance cost**

**Name of assignment or project:** **GIS-based climate change knowledge sharing platform** including climate data cataloguing, processing and training of local experts.

**Year:** 2019-2020

**Location:** **Liberia**

**Client:** UNDP

**Main project features:** **GIS-based platform** to strengthen institutional and regulatory systems for taking climate into account in development planning.

**Positions held:** **Key Expert on Climate change adaptation.**

**Activities performed:** Design of the methodology and detailed work plan (framework report and tools); development of the **GIS-based platform** with all the architecture and options; Climate change and environmental data acquisition and processing, including **satellite data**; Conduct training for technicians for operational management and **maintenance of the platform** ; final report of the platform and training.

**Name of assignment or project:** **Evaluation of airport infrastructure resilience facing climate change in southern Asian country**

**Year:** 2019

**Location:** **Cambodia**

**Client:** Vinci Airport


**Main project features:** Preliminary **diagnosis of exposure to natural and climatic risks** of international airport transport infrastructures in Cambodia (Study subject to a NDA)

**Positions held:** **Team leader and Key expert on Climate change adaptation.**

**Activities performed:** Preparation of Climate Change Mitigation Strategy for the Republic of Dominica including resilience and climate change adaptation strategy (CAPEX, OPEX) to the **disaster risk management, urban flood risk management, urban planning and airport infrastructure including nature-based solution. Definition of the SDG's compliance strategy and implementation to national mobility roadmap and urban system transport.** Definition of several strategy for relocalisation facing sea level rise. Evaluation of the impact of climate change to the CAPEX and OPEX and **insurance cost**

**Name of assignment or project:** **Evaluation of airport infrastructure resilience facing climate change in southern Asian country**

**Year:** 2019

2023/05/31	<b>ARISE Board Elections</b> <b>Self-nomination Form</b> (deadline for submission: 21 June 2023)	
PU-BENF		
Revision: 1		
Page 15 of 21		

**Location: Japan**

**Client:** Vinci Airport

**Main project features:** Preliminary **diagnosis of exposure to natural and climatic risks** of international airport transport infrastructures in Japan (Study subject to a NDA)

**Positions held:** **Team leader and Key expert on Climate change adaptation.**

**Activities performed:** Preparation of Climate Change Mitigation Strategy for the Republic of Dominica including resilience and climate change adaptation strategy (CAPEX, OPEX) to the **disaster risk management, urban flood risk management, urban planning and airport infrastructure including nature-based solution. Definition of the SDG's compliance strategy and implementation to national mobility roadmap and urban system transport.** Definition of several strategy for relocalisation facing sea level rise. Evaluation of the impact of climate change to the CAPEX and OPEX and **insurance cost**

**Name of assignment or project:** Technical assistance to support a strategic and operational plan dedicated to **the resilience of transport infrastructure and urban mobility.**

**Year:** 2019

**Location:** France

**Client:** COFIROUTE (Vinci Autoroute)

**Main project features:** Diagnosis of climate vulnerability of the **COFIROUTE road network and** related issues.

**Positions held:** Team Leader

**Activities performed:** **Coordination between all the stakeholder** (public and private sector). Definition of the scope of work. Definition of the resilience strategy roadmap compliance with the national resilience strategy (from Ministry of transport), customer and other territorial data acquisition and **storage into a GIS including satellite data**; mapping of the most exposed areas to floods; mapping of the sensitivity of the transport infrastructures to floods; mapping of the territorial vulnerability around the infrastructures and **urban flood risk management**; mapping of the **risk management capacity around the infrastructures.** Evaluation of the impact of climate change to the CAPEX / OPEX and **insurance cost**

**Name of assignment or project:** **Climate change and Resilience strategy for land planning, infrastructures, urban planning and critical infrastructure (including transport system, energy network, etc)**

**Year:** 2015-2018

**Location:** **Worldwide including Central Asia, Southern Est Asia and African Cities**

**Client:** Vinci Construction

**Main project:** Technical assistant for PPP projects in the design, works and operation phase of infrastructure projects dedicated to the waste sector, wastewater treatment and associated facilities (transport infrastructure and electrical network and energy): example of the countries of intervention China, Vietnam, Myanmar)


**Positions held:** **International Project director and teams leader in climate change adaptation and resilience for infrastructures**  
 Technical and strategic coordination of Open Innovation, **remote sensing & GIS** and environmental projects

**Activities performed:** Participation in the CAP 2020 'GIS & Digital Site' program for Vinci Construction towards BIM/GIS/digital tools for work sites notably in the asset in Asia

- Technical support for projects/sites in complex environmental engineering notably in Asia (Vietnam, Singapore, Indonesia)
- Coordination of construction projects (design, build, operation) in flood-prone areas and implementation of **economic model and insurance contract** facing natural risks and climate change
- Response to tender for construction project including **remote sensing & GIS** implementation (€10-20MM) and civil engineering - Offshore wind farm/Linear and underground infrastructure of Grand Paris Express (€350 MM/€950M)
- Development of the "Flood zone construction" bid from ADIM construction company
- Conversion of innovation program towards operational use **training in environment, climate change, natural hazard, GIS and eco-construction (CESAM) in conjunction with construction supervisors/site managers/cost estimate/property developers notably in Asia subsidiary**
- Leader of the urban resilience to climate-change program in Vietnam and Malaysia
- Leader of the GIS & the circular economic plan of action in conjunction with the VINCI holding company
- Leader of the **remote sensing & GIS** development/geo-decisional platform in conjunction with the VINCI Construction holding company including the Asia countries

**Name of assignment or project:** Capacity building dedicated Civil Engineering in south eastern Asia University

**Year:** 2015 to 2018

2023/05/31	<b>ARISE Board Elections</b> <b>Self-nomination Form</b> (deadline for submission: 21 June 2023)	
PU-BENF		
Revision: 1		
Page 16 of 21		

Location: Hong Kong, Philippine, Vietnam, Malaysia, Indonesia, Singapore, Burkina Faso, Ivory Coast, Cameroun, Kenya, Nigeria

**Client:** Vinci Construction Asia and its Asian University partners

**Main project features:** Training about Coastal and environmental engineer and resilience critical infrastructures (transport, energy, water, telecommunication) facing climate change to design resilience infrastructure including disaster risk reduction **and management**, coastal/urban resilience and climate change adaptation, NBS and climate resilient infrastructure with a speciality in East Asia and Asia Pacific's Regions

**Position held:** **Key expert in climate change adaptation and resilience infrastructures**

**Activities performed:** Description of actual services provided by your staff RESALLIANCE has provided a methodological guide for teaching staff and students to integrate climate change throughout the life cycle of infrastructure (design, construction, maintenance, operation) adapted to the context of South East Asian countries.

**Name of assignment or project:** **Climate change and Resilience strategy for land planning, urban planning and critical infrastructure (including transport system)**

**Year:** 2011-2013

**Location:** **Worldwide including Central Asia and Southern Est Asia**

**Client:** SOFRECO

**Main project features:** Coordination and implementation of complex project including recruitment, management of project and team management. Definition of the technical and financial scope of work.

**Positions held:** **International Project director**

**Activities performed:** **Coordination between all the stakeholder** (public and private sector, International founder and public institutional). Definition of the scope of work. Co-development « BtoC » (**Africa / Middle-East / Asia**) within the institutional sector. Elaboration of projected budgets, response to calls for tenders, writing of technical and financial proposals

- **Afghanistan** (Ministry of Energy, Mines and Petroleum - **World Bank**): **Development of the GIS platform including integration of filed measurement, geomatic and remote sensing data for mapping geological, natural hazard environmental, and water resources management, transport systems, Natural disaster risk management**
- **Ivory Coast** (Ministry of Energy, Mines and Petroleum - **World Bank**): **Development of the GIS platform including integration of filed measurement, geomatic and remote sensing data for mapping geological, natural hazard environmental, and water resources management, urban transport systems, and in urban flood risk management**
- **Cameroon (World Bank)**: Assistance for the development of the **remote sensing GIS-based mining strategy** and the “mining aftermath” / post-mining years including **water management and nature-based solution**
- **Mali** (Mining Ministry and AUREP): Institutional reform of the oil, sector and **remote sensing (satellite data)-GIS implementation**
- **Niger (EU)**: Technical assistance to **remote sensing GIS-based mining exploration** and management of the “mining aftermath” / post-mining years
- **Afghanistan (World Bank)**: **remote sensing GIS-environmental and social assessment** of mining resources including **water management**
- **Indonesia (World Bank)**: **remote sensing GIS-environmental and social assessment** of natural resources including **water management**
- **Algeria**: Elaboration of the Quality Safety Environment Strategy for FERPHOS SOMIPHOS Group (phosphate mines) & **GIS (including remote sensing data) implementation including water management**

**Name of assignment or project:** **waste and water management facing climate change mitigation and adaptation (including African cities)**


**Year:** 2006-2011

**Location:** **Worldwide including Southern Est Asia and Asia Pacific Countries and African Cities**

**Client:** VEOLIA

**Main project features:** **Coordination and implementation of complex urban planning project including** hydrology, water resources management and transport system. recruitment, management of project and team management. Definition of the technical and financial scope of work.



2023/05/31	<b>ARISE Board Elections</b> <b>Self-nomination Form</b> (deadline for submission: 21 June 2023)	
PU-BENF		
Revision: 1		
Page 17 of 21		

Technical assistant for PPP projects in the design, works and operation phase of infrastructure projects dedicated to the waste sector, wastewater treatment and associated facilities (transport infrastructure and electrical network and energy): example of the countries of intervention China, Vietnam, Myanmar) and resilience cities program notably in Douala, Johannesburg, Cairo.

**Positions held: International Project director**

**Activities performed: Coordination between all the stakeholder** (public and private sector, international founder and public institutional). Definition of the scope of work. Co-development of urban project / waster and water treatment plan infrastructures (in Africa / Middle-East / Asia) within the institutional sector. Elaboration of projected budgets, response to calls for tenders, writing of technical and financial proposals

- VEOLIA group **coordinator within the European Copernicus (ex GMES) Space Program (ESA)**
- **Development of scientific and operational projects dedicated to the development of spatial data and remote sensing in the environment industry** and urban planning (waste, water, sustainable city)
- Cordination of R&D projects about **remote sensing GIS-based natural risk**, water ressources, hydrology in African countries – 10 M€
- **Coordination with the GMES programs (ex COPERNICUS) about GIS / Remote sensing** based in ecological footprint and carbon balance;
- **Coordination of the Corporate social responsibility, Biodiversity & nature-based solution program** and water management in the (WBCSD)
- Participation to proposals (calls for tenders) about environmental audits and carbon projects (MDP) in **Cameroun, Burkina Faso, Egypt, Morocco, Nigeria**, China, Taiwan, Honk Kong, Vietnam, Singapore,
- Elaboration of methodology and KPI environmental reporting related to the carbon strategy and water management **including Sub-Saharan countries as Burkina Fasso and Ghana** and Asia countries as China, Taiwan, Honk Kong, Vietnam, Singapore,

**Name of assignment or project: waste and water management facing climate change mitigation and adaptation (including African cities)**

**Year:** 2003-2006

**Location:** Maroc, Mauritania, Mali and Senegal


**Client:** ADPS -: Development Agency for (sub)Saharan Territories

**Main project features: Coordination and implementation of complex urban planning project including** hydrology, water resources management and transport system and urban planning. Definition of the technical and financial scope of work. Evaluation of the financial Model of the cost-benefits for investment dedicated to infrastructure and the resilience strategy facing climate change.

**Positions held: International Project director**

**Activities performed: Coordination between all the stakeholder** (public and private sector, International founder and public institutional). Definition of the scope of work. Co-development of urban project in **Morocco, Mauritania, Mali and Senegal** within the institutional sector.

- Member of the **African Urban Environments Observatory using remote sensing (satellite data) and GIS technologies**
- **Elaboration of the Resilience Strategy** dedicated to urban, industrial, harbour infrastructures and **nature-based solution**
- Geopolitical and geostrategic study of natural resources in **Saharan West** and **Sahelian country using remote sensing and GIS technologies**
- Development of **GIS-based strategy** about natural resources, water management, geopolitical and industrial risks from the mining sector
- UNESCO program: **GIS-based Safeguarding Plan of Ecosystems and Biodiversity (Morocco, Mauritania, Mali and Senegal)**
- Development of **the first geographic information system dedicated to multi-hazard risk analysis of the great south of Morocco and Mauritania: climatic and seismic risk through the growth of satellite imagery, seismic and geomorphological data**
- Development of a geomatic (**GIS and remote sensing**) decision support tool on natural risk management dedicated to the **investment and development aid policy on housing, urbanization and transport system in southern morocco and transnational network in Sahara-sahel aera**

2023/05/31	<b>ARISE Board Elections</b> <b>Self-nomination Form</b> (deadline for submission: 21 June 2023)	
PU-BENF		
Revision: 1		
Page 18 of 21		

### 3. Questionnaire

**2.1 Please indicate any past or present affiliations and accomplishments related to Disaster Risk Reduction / Prevention / Resilience / Corporate Social Responsibility (CSR) / Environmental Social Governance (ESG) (max 200 words)**

Karim SELOUANE created and launched RESALLIENCE in 2019, a design and engineering office dedicated to climate change adaptation for territories, cities, infrastructures, projects and uses.

Karim is a member of the sustainable city working group of the UN Habitat and participated and contributed to the first cities summit in Nairobi in 2019. He also took part in the first UN Science Policy Business Forum (UN-SPBF) on the “Data for the Planet Program Task force” to support the development of innovative disaster risk reduction solutions based on open data from Earth observation satellites.

Karim is also a member of the “Community of users on secure, safe and resilient societies: urban critical infrastructures” from the European Union.

In the context of RESALLIENCE, Karim has been a member of the CCRI since its inception in 2020. He also built a partnership between RESALLIENCE and the CDRI. Karim later facilitated both the CCRI and the CDRI to become members of GlobalABC to reinforce PPPs dedicated to finance resilience.

Since 2020, Karim has been appointed co-chair of the climate change Adaptation Working Group of the GlobalABC hosted by UNEP.

In 2022, Karim was elected as a member of the Mission Board of the European Commission on Adaptation to Climate Change to promote the Commission’s actions, advise on the next European resilience roadmap, and facilitate dialogue between public and private stakeholders.


**2.2 Please specify if you have the decision-making and support capacities for ARISE within your company relating to at least one the four ARISE focus areas (SME resilience, investment, insurance, resilient infrastructure) at**

**a) Senior level (max 100 words each)**

As Founder and CEO of RESALLIENCE, Karim SELOUANE possesses the decision-making and support capacities for ARISE. In this regard, the examples below demonstrate what he has implemented in relation to the four focus areas.

From 2020 to 2023, and throughout the COVID pandemic, Karim developed and delivered a course on "Global risks and corporate resilience" for SciencePo master's degree students.

Karim contributed to authoring and promoting, for the CCRI, the framework for creating insurance and financing mechanisms dedicated to the resilience of critical infrastructures.

2023/05/31	<b>ARISE Board Elections</b> <b>Self-nomination Form</b> (deadline for submission: 21 June 2023)	 <b>arise</b>
PU-BENF		
Revision: 1		
Page 19 of 21		

In 2019, Karim established ALTERS, a think tank and information platform that bridges the public and private sectors on global and systemic risks. ALTERS brought together SMEs, multinational corporations, French Ministries, and sub-national policymakers.  
[\(https://alters-media.fr/2020/12/03/pourquoi-je-salue-la-naissance-de-cette-revue/\)](https://alters-media.fr/2020/12/03/pourquoi-je-salue-la-naissance-de-cette-revue/)

Within the GlobalABC context, Karim initiated the program "Adaptation of the Building Sector to Climate Change: 10 Principles for Effective Action" and launched it during COP26, further promoting it at COP27. The manifesto has been endorsed by over 50 countries and 30 private actors to define a public-private partnership framework for climate change adaptation.  
[https://globalabc.org/sites/default/files/inline-files/10%20principles\\_ENG\\_0.pdf](https://globalabc.org/sites/default/files/inline-files/10%20principles_ENG_0.pdf)

In early 2023, Karim was selected by UNIDO and UNDRR to participate in the Expert Group Meeting on SDG9 (Industry, Innovation and Infrastructure) and its interlinkages with other SDGs.

**b) Technical level (max 100 words each)**


As the Founder and CEO of RESALLIENCE since 2019, Karim has initiated and supervised over 100 projects across 90 countries, spanning all continents. He has always paid close attention to ensuring the interlinkages between strategic and technical levels, consistently integrating resilience and adaptation considerations. Additionally, Karim is a member of the European Resilience Task Force of the European Committee for Standardization (CEN).

Among other achievements within the RESALLIENCE context, he developed the Resilience Performance Assessment (RPA), an integrated digital engineering solution. The RPA integrates systematic prospective modeling solutions that encompass current and future risks under climate change. Moreover, it utilizes satellite-based observation and monitoring systems to provide near-real-time crisis observation. This Emergency Warning solution was co-constructed with stakeholders from island and French regions, with the aim of securing services (health/civil security), essential materials, and products for crisis management. It also assists in assessing scenarios for organizational consensus and prioritizing resilience/adaptation actions. The RPA has been chosen by the IFC (World Bank Group) for national-scale implementation in the Caribbean and by CDC in France. This systemic modeling tool and platform have been implemented and used by private players on a global scale, as well as by national and local public administrations and local communities. The RPA was later selected by UNDRR-ARISE as an innovative solution aligned with the achievement of SDGs. Furthermore, the RPA was selected to join the international alliance Emergency Warning Services in the Global Digital Compact.

<https://gdc-ews.s3.amazonaws.com/index.html>

**2.3 Please specify if you have the decision-making and support capacities within your company relating to other key areas such as Early Warning or Public-Private Partnership at national or local level (100 words)**

As the Founder and CEO of RESALLIENCE, Karim has ensured that the company endorses the key objectives of UNDRR, particularly those related to Early Warnings and Public-Private Partnerships. This commitment is demonstrated through the development of an integrated digital engineering solution called the Resilience Performance Assessment (RPA). The RPA combines systemic modeling with current and future climate risks, as well as satellite-based monitoring systems for near-real-time crisis observation. It has been applied in various contexts, including islands, coastal areas, and metropolitan urban settings, with a focus on critical infrastructure to ensure the accessibility and continuity of essential services and efficient crisis management. The RPA aligns with SDG-driven resilience objectives and facilitates assessments of environmental, socioeconomic, as well as loss and damage impacts. Collaborating with over ten local

2023/05/31	<b>ARISE Board Elections</b> <b>Self-nomination Form</b> (deadline for submission: 21 June 2023)	
PU-BENF		
Revision: 1		
Page 20 of 21		

governments and administrations (such as Barbados, Dominica, France, Liberia, Madagascar, Morocco, Philippines), international finance institutions, intergovernmental organizations, and development agencies (such as IFC of the World Bank Group, Global Center of Adaptation, 4CMAROC, ADEME International, UNEP), RESALLIANCE has implemented this innovative solution.

**2.4 Indicate if your company is affiliated with / member of any other global private sector networks such as the UN Global Compact, World Economic Forum (WEF), World Business Council for Sustainable Development (WBCSD) International Chambers of Commerce (ICC), or other private sector network, including of other UN agencies (please specify) (max 100 words each)**

Resalliance is affiliated with:  
 Global Alliance for Building and Construction (GABC), Coalition for Disaster Risk for Infrastructure (CDRI), Coalition for Climate Resilience for Investment (CCRI), The international alliance Emergency Warning Services in the Global Digital Compact, and enterprise pour l'environnement (EPE).

**2.5 Please list 3 goals which you would aim to achieve as Board Member of ARISE, specifically within (max 100 words)**

- a) your 1st year**
- b) long term**

**a) over the first year:**


One of my key strengths would lie in representing UNDRR at high-level political and business processes and international conferences such as COP28, the General Assembly of Global ABC. I would ensure to further introduce and build ties in between UNDRR-ARISE and international bodies such as the Global Climate Action and the European Commission Mission Board on Climate Change Adaptation.

I am keen to support and collaborate with the UNDRR and ARISE teams in expanding the organization's network, engage with interested partners and participate in the onboarding activities of new members. I strongly believe that my extensive international network will be an asset to UNDRR ARISE. I am committed to utilizing my connections for the collective benefit of the organization and the broader community.

**b) On the long term:**

I am deeply committed to accelerating operational actions for resilience and adaptation to climate change. I am eager to contribute to the development of UNDRR ARISE programs and roadmaps that foster systemic and multi-region resilience, especially through innovative North-South and South-South collaborations and public-private partnerships. My experience in designing and launching the "Adaptation of the Building Sector to Climate Change: 10 Principles for Effective Action" of the GlobalABC, which I introduced at COP26, demonstrates my capability to shape impactful initiatives.

**Note:**

2023/05/31	<b>ARISE Board Elections</b> <b>Self-nomination Form</b> (deadline for submission: 21 June 2023)	 <b>arise</b>
PU-BENF		
Revision: 1		
Page 21 of 21		

**Please consider the responsibilities for Board members and the parameters for a Board member to be designated inactive as specified in the Board elections Standard Operating Procedure (SOP).**

