

DRS SESSION – END USER PITCHES

MODERATORS

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DRS SESSION – END-USERS PITCHES

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ISEM-International Security and Emergency Management Institute, n.p.o

- Non-profit organisation providing generally beneficial services
- Responder and accredited part of Integrated Rescue System of Slovakia
- Training and testing centre (incl. accredited CBRN study programmes)
- Special focus on CBRN related topics, but not only
- Cooperation agreement with MoI SR establishing also the right to represent them in projects (police, FRS, CP and crisis management...)
- Joint CBRN-E Training Centre with Univerzity of Žilina
- Holder of EU/NATO clearance certificate (SECRET level)
- Professional platform of former/active police and security officers, rescuers, military, civil protection and crisis management experts
- Network of organizations and experts (partners) in security and emergency management area



Needs and interests

The need (the challenge and commitment at the same time) is to provide end-user perspective for RDI through own capacities, and jointly with own partners.

Main interests:

- **Disaster-Resilient Society for Europe**
 - **HORIZON-CL3-2025-01-DRS-03 (CBRNe related issues)**
 - HORIZON-CL3-2025-01-DRS-01 and HORIZON-CL3-2025-01-DRS-02
- **Better protect the EU and its citizens against Crime and Terrorism**
 - HORIZON-CL3-2025-01-FTC-01 and HORIZON-CL3-2025-01-FTC-03
- **Resilient infrastructure**
 - HORIZON-CL3-2025-01-INFRA-01 and HORIZON-CL3-2025-01-INFRA-02
- **Strengthened Security Research and Innovation**
 - HORIZON-CL3-2025-01-SSRI-03 (tight cooperation with Section of Public procurement of MoI SR)
- but also, Effective management of EU external borders (BM) as well as another calls that require the perspective of end-users (practitioners).

Contribution

- Ready to be a WP / task(s) leader
- Technical and procedural gaps & needs analysis and requirements specifications
- Use-case(s) and scenario development
- **Planning, organization, coordination and execution of tests/trials/demonstrations in relevant environment**
- Complex training activities and **exercises**
- Validations and evaluation
- Usability and performance analysis
- Contributions to dissemination and exploitation

In addition to this, ISEMI is ready to support consortium building with a focus on end-users' (practitioners) involvement.



INTERNATIONAL SECURITY AND
EMERGENCY MANAGEMENT INSTITUTE



connecting **the forces**

Protection Civile

- *Raoul de Vaucelles*
- *raoul.de-vaucelles@protection-civile.org*
- *Role: end-user organisation*
- Destination of interest: Civil Security for Society – Disaster Resilient Societies
- *CL3-DRS, especially CL3-DRS-01-02, 01-03, 01-04*

Needs and interests

- *Increase our connections with other European first aid Entities*
- *Work to increase our ability to provide first aid to disaster-stricken population in France as well as in the European countries*
- *See how we can work on an effective way with other European entities on the following subjects such a :*
 - *provide a coordinated first aid to disaster-stricken population in France as well as French boarder countries (floods, Storms, ...)*
 - *Be able to intervene in European countries with lower first-aid staff and train their staff in first-aid procedure*
 - *Cybersecurity and digital information & data*
 - *....*

Contribution

- What can you as practitioner organisation offer to a consortium? : our field knowledge on first aid experience
 - La Protection Civile is one of the largest organizations providing first aids in France with 32,000 volunteers dispatched in almost all French local counties, helping homeless people, acting as first-aid during sport or cultural events or climate crisis and training people and workers in first aid procedure.
 - We sent 400 volunteers to Mayotte Island from mid December 2024 to beginning of March to help the local population (first aid, road clearance, building securing, water and food distribution...).
 - We were the most important first aid organization during the Olympic games in Paris last summer (2/3 of the first aid stations in the sports arenas, fan zones, subways and railways stations...) . The volunteers of the Civil Protection have taken care of 9,000 people and have evacuated 450 of them to hospital centers.

Contribution

- Which role do you prefer in a consortium?
 - We can act as an end-user and test a new product or service with our 32,000 volunteers
 - We can test it with relief mission for disaster-stricken populations (floods, Fire, cyclones...) as well as with 1st aid teaching (more than 130,000 people trained in first aid procedures)

SAMSUN AFAD* (Türkiye)

- *Erkin TEKİN*
- *erkin.tekin@afad.gov.tr*
- *SAMSUN IL AFET VE ACIL DURUM MUDURLUGU*

**Local/Regional Disaster Management Authority*

**First Responder*

- CL3-DRS
- **CL3-DRS-01-01**, CL3-DRS-01-02, **CL3-DRS-01-03**,
CL3-DRS-01-04

Needs and interests

- *DRS-01 : Enhanced Risk Perception & Awareness*

Needs: Human science (Applied Behavioral Science) , Societal resilience, Cognitive Approach

>Decision support systems for **CITIZENS**

>Efficiency in volunteering services

>Climate literacy

>Cognitive networks (Authorities, Academy, Society, SME)

>Inclusive communication

>Resilience Index for Communities (Local&Regional Level)

>Individual resilience (whole of community approach)

- *DRS-02 : Adaptable&Flexible Systems for Sustainable Operations*

Needs: Improved Governance (Accountability, Consistency & Synergy), Improved Forecasting & Predictability

>Situational awareness (Crises and Multi-Risk environments)

>Impact Forecasting (dynamic, accurate), early-warning (accurate, efficient), real-time tracking (refined)

>Adaptable Knowledge Selection

>Operational accountability

>Risk transfer and Adaptation

>Dynamic factors (Vulnerabilities vs. Flexibilities)

>Prioritization (Decision-Making on CRITICALS)

>Inclusive decision-making

Needs and interests

- *DRS-03 : Interoperability and Cross-border capabilities*

Needs: Threat analyse, comprehensive decision-making (AI/ML powered), cross-border impact analyse and planning,

>Event Identification

>Sensors as decision-makers

>Sensors against disinformation and misinformation

>Cognitive networks (Real-time experience sharing)

>Inclusive communication

>Virtual alarms, digital twins and virtual exercise tools

>Adapting the alarm and the threat (CBRN)

>Bureaucracy-free civil protection and alarm mechanisms

- *DRS-04 : Overcoming barriers in unstable environments*

Needs: Improved monitoring technologies, compensating for the lack of local capacity

>Remote SAR Operations (5G)

> Improved monitoring

>Autonomous anomaly detection

>Extreme pilots

>Virtual exercises on Digital twins (Command-post integration and decision-making in autonomous systems)

Experience

- Participation to **15** Horizon2020/Horizon Europe Proposals including WP leaderships
- **11** of these proposals were above threshold

Contribution

- Offering “right” expertise and practitioner (first-responder) role as a Disaster Management Authority (Public)
- Offering “flexible” (**Local/Regional Level**: 1-7 cities) scale as a practitioner
- Multidisciplinary (Risk Mitigation, Preparation, Response, Recovery)
- Interdisciplinary (Risk Management, Crisis Management)
- Disaster&Emergency Management Center
- Search & Rescue Brigade
- CBRN teams/units
- Training Center
- Disaster&Emergency Management Center
- **CL3-DRS-01-01**, **CL3-DRS-01-02**, **CL3-DRS-01-03**, **CL3-DRS-01-04**

- *Derya Yalçın*
 - *derya.yalcin@afad.gov.tr*
 - Disaster and Emergency Management Authority(AFAD)
 - Role: *Project coordinator*
-
- Topic to be addressed: *CL3-2025-01-DRS-01, CL3-2025-01-DRS-02, CL3-2025-01-DRS-03, CL3-2025-01-DRS-04*

Needs and interests I

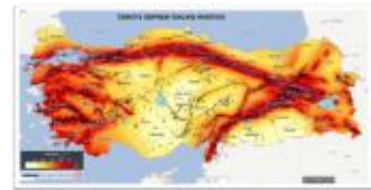
Call Topic	Relevance	Needs&Interests
DRS-01-01	AFAD carries out studies on increasing public awareness about disasters. It is responsible for raising public awareness and organizing awareness training. In this context, it has established a Volunteer System and is carrying out studies to popularize volunteering here.	Standardization of trainings, trainer trainings, determination of Volunteering Operation Process Management and Trainings.
DRS-01-02	AFAD's responsibility is to plan, direct, support, coordinate and effectively execute the activities required for disaster prevention, mitigation, disaster response and rapid completion of post-disaster recovery efforts.	Crisis communication, Capacity Building, Digitalization, Development of Early Warning Systems, Artificial Intelligence Applications

Needs and interests II

Call Topic	Relevance	Needs&Interests
DRS-01-03	AFAD carries out studies and produces projects on both natural and technological (human) disasters (industrial accidents, CBRN threats, etc.) and disasters caused by climate change.	International standards, reliable data sharing mechanisms, advanced technology-based simulation environments, and cross-country cooperation and centers of excellence are needed.
DRS-01-04	AFAD is the institution responsible for both coordination and response in disasters.	Autonomous and robotic systems in search and rescue operations, modernization of uninterrupted communication, artificial intelligence-supported data analysis and development of innovative digital training modules and simulation systems.

Contribution

- Disaster and Emergency Management Presidency (AFAD) is a multi-faceted, multi-actor institution established under the Ministry of Internal Affairs, which ensures cooperation between all institutions and organizations of the country for the planning, direction, support, coordination and effective implementation of the activities required for the prevention of disasters and reduction of their damage, intervention in disasters and rapid completion of post-disaster recovery works.
- AFAD's Integrated Disaster Management approach is a proactive system that covers all stages of disasters. This model, which includes risk reduction, preparation, intervention and recovery processes, aims to increase resilience against disasters and ensure effective crisis management.
- AFAD is the sole competent authority on disasters and emergencies in Turkey.
- Role: Leader, Partner or end-user



Medical FR for DRS Consortiums

- *Dr. Zeynep Sofuoglu (Medical Doctor) E-mail: zeynep.sofu@gmail.com*
- *Emergency, Disaster and Ambulance Physicians Association*
- *FR--Emergency Medical Response, NGO*
- *EXPERT FR in SECURITY DRS PROJECTS*
- *Role: WP/Task leader/Pilot Testing (medical countermeasures provider FR)*
- *Destination of interest: HORIZON-CL3-2025-01-DRS*
- *CL3-DRS-01-01 (op. A & B)/ DRS-01-02 (op. A & B)/ DRS-01-03 (op. ALL)/ DRS-01-04*



Since 2008



15+ Years Experience in EU Projects

Needs and interests (Destination - DRS for Europe)

DRS-01-01 Op.A&B

Lessons Learned from Multi risk Environments-
Cascading events
Reinforced dialogue and cooperation
Validating the outcomes
Facilitating future uptake
Innovations for the DRR community

DRS-01-02 Op.A&B

Lessons Learned from Multi risk Environments-
Cascading events
Including medical countermeasures
CBRN-E (not all)
Assessment by practitioners, Pre-defined plans
and procedures, adaptable, response

DRS-01-03 (op. ALL)

Planning, Preparing and Responding to different
types of disasters (natural and human-made) /
climate extreme and geological events and CBRN
Demonstrating interoperability in real-case
situations
Detection and victim identification, and
communication

DRS-01-04

Developing High-Risk Scenarios
Working under smoke
Remote SAW and DM
Working dif. Zones
Capacity building and training



Contribution (Destination - DRS for Europe)

- WP&Task Leader.. (KPI, User Requirement and Use Case Provider)
- Conducting field surveys, focus groups, workshops and transferring the knowledge (FR & Researchers & Community)
- Conducting exercises & field trials / Validation Pilots
- Dissemination (Sci.Articles & Communication Activities – Preparing videos)
- **Skilled FR emergency medical ser. / medical countermeasures provider FR**



- *Thomas Seltsam*
- *Thomas.Seltsam@roteskreuz,.at*
- *Austrian Red Cross (Österreichisches Rotes Kreuz)*
- Destination of interest: CL3-DRS

Needs and interests

- *Risk Awareness & Early Warning*
- *Community and organizational Resilience*
- *Digital Integration*
- *Recovery & Preparedness*
- *Empowerment & Education*



Contribution

- Civil Society Organisation
- Frontline Experience
- Volunteer and Community Mobilisation
- Loads of Experience in Resilience
- Practical Testbed Experience



Vision

- Resilient, Prepared Communities
- Solidarity & Innovation
- Get in touch





REPUBLIC OF TÜRKİYE
MINISTRY OF INTERIOR



Halime AKYOL KÜÇÜK



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*Directorate General of Provincial Administration, Ministry of Interior of
the Republic of Türkiye*



Destination of interest: Disaster-Resilient Society for Europe **Topic:**
HORIZON-CL3-2025-01-DRS-01

Needs and interests

The Directorate General of Provincial Administration participated in the **DRS-01-03 BASTION Project** to enhance decision support systems and strengthen national disaster management capacity.

The Directorate General's needs and interests are as follows:

- Scaling pilot projects to all 81 provinces.
- Ensuring a more resilient society.

Contribution

Contributions of the Directorate General are as follows:

- ✓ Interprovincial coordination across all 81 provinces.
- ✓ Project dissemination and impact assessment in consortia.
- ✓ Direct access to earthquake-affected provinces, including Hatay.
- ✓ Participation of law enforcement agencies, such as the police and gendarmerie, in projects.
- ✓ Coordination of regional and local authorities of all 81 provinces.
- ✓ Integration of local authorities into nationwide projects.
- ✓ Coordination of 112 Emergency Call Services across Türkiye.

Osmangazi Municipality

(Bursa/Türkiye)

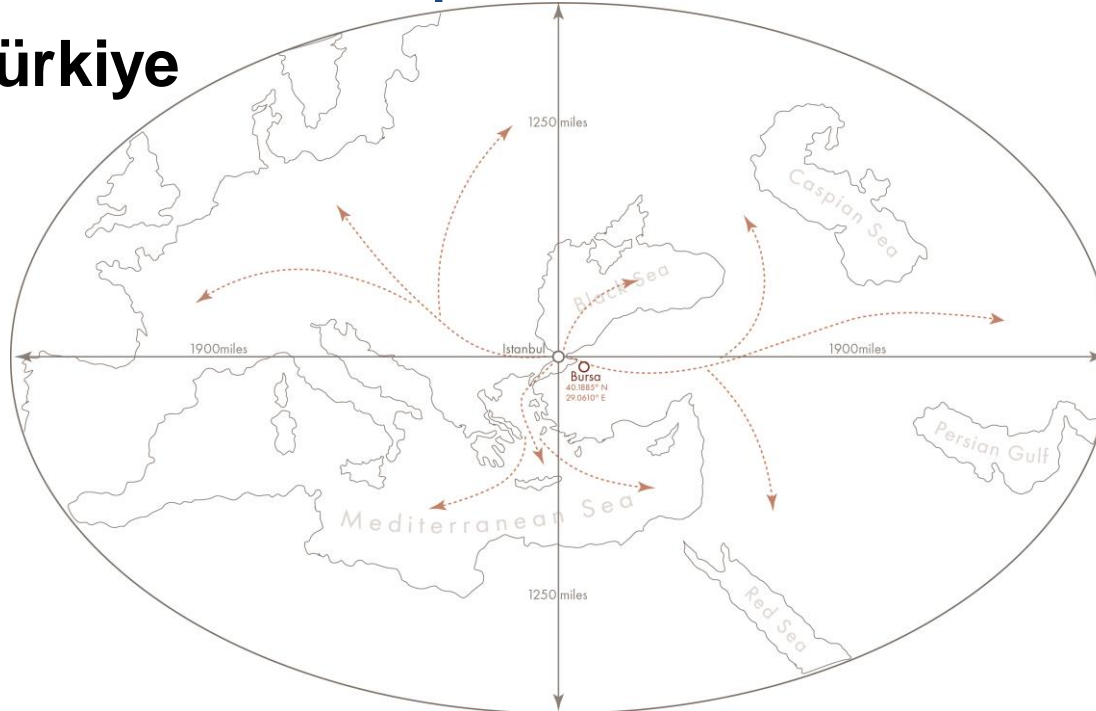
- *Berkay SALMAN*
 - *berkaysalman@osmangazi.bel.tr*
 - *Osmangazi Municipality Research and Development Department*
 - *Role: M.Sc. Architect, EU Projects Coordinator*
-
- EU Projects Officer Topic to be addressed:
 1. **HORIZON-CL3-2025-01-DRS-01** (Engagement of citizens and regional and/or local governments in raising disaster risk awareness, including training and preparedness)
 2. **HORIZON-CL3-2025-01-DRS-02** (Improving disaster risk management and governance to ensure self-sufficiency and sustainability of operations to support enhanced resilience)

Needs and interests

- **HORIZON-CL3-2025-01-DRS-01 Disaster-Resilient Societies:** Municipality offers a pioneering model to **increase the disaster resilience of local communities** with its **Disaster Emergency and Response Station** and **Neighborhood Disaster Volunteers Project**. In particular, our volunteer teams working in integration with AFAD and our digital decision support systems provide an ideal infrastructure for information sharing with cities in Europe with similar risk profiles. In addition, international training modules to be developed within the scope of **Disaster Village Project** and Erasmus+ will contribute to strengthening local capacities in EU countries.
- **HORIZON-CL3-2025-01-DRS-02 Strengthening Critical Infrastructure and Rapid Response Mechanisms:** Our **Disaster Emergency Response Stations** project supports “**resilient infrastructure**” objectives by ensuring uninterrupted service of critical infrastructures in disasters through mobile response and hub capacity. At the same time, the Geographic Information Systems (GIS) and digital twin technologies used in the **Disaster Education and Coordination Center** optimize post-disaster resource allocation, offering the possibility of technical know-how transfer to European consortia. Osmangazi's field-tested models will align with the EU's emphasis on “**rapid recovery**” and “**multi-stakeholder cooperation**”, providing concrete data and practical examples for projects.

Contribution part I

Bursa/Türkiye



- Bursa is a metropolitan city **located in western Türkiye**. Bursa is the fourth most populous city in the country, with more than **three million inhabitants**. In the 14th century, Bursa is famous for being the **first capital of the Ottoman Empire**.

Contribution part II



- **Osmangazi Municipality** carries out various studies and projects in the field of civil defense. The Disaster Affairs Directorate serves a population of 1 million with its experienced team. Especially in the **recent Maraş Earthquake** that occurred in our country, the municipality was actively involved and rescue activities were carried out in the field.
Activities of Osmangazi Municipality:

- Emergency Response Preparations
- Search Activities for Missing Persons
- Search and Rescue Team Training and Drills
- Tabletop and Field Exercise
- Unmanned Aerial Vehicle with Thermal Camera Trainings
- Work at Height Trainings
- Disaster Emergency Training and Drills in Schools
- Disaster Emergency Awareness Training for Neighborhood Residents
- Identification of Gathering and Shelter Areas
- **Disaster and Emergency Projects**

FRENCH POLICE & FIRE-FIGHTERS



- Rémi GELMINI
- remi.gelmini@interieur.gouv.fr / remi.gelmini@sdmis.fr
- Ecole Nationale Supérieure de la Police (ENSP) / Service Départemental Métropolitain d'Incendie et de Secours (SDMIS)
- **Destination of interest: CL3-2025-01-DRS**
 - **DRS-03:** Open topic on Testing / validating tools, technologies and data used in cross-border prevention, preparedness and responses to climate extreme and geological events and chemical, biological or radiological emergency threats
 - **Option a: Artificial intelligence (AI) / machine learning (ML)** tools to support first responder's analysis, planning and decision-making
 - **Option b: Miniaturized sensors** for threat detection and victim identification
 - **Option c: Information exchange / Communication** among first responders in a reliable, secure and universal way, and cross-border emergency communications
 - **Option d: Alert system** to detect CBRN threats, integrating different systems at national, regional and European level

Needs and interests



- *Regarding DRS Destinations:*
 - *Crisis management and CBRN are **common research axes** between police and firefighters*
 - *Urgent need to **enhance interagency cooperation**, through mutual management tools and common training*
 - *Will to be part of the **early stage of research and innovation** to:*
 - *Ensure solutions are developed according to users' needs and requirements*
 - *Spread the culture of innovation among first responders*

Contribution



- **Critical pool of different type of responders for:**
 - Collection of users' needs and users' technical requirements
 - Tests, evaluation and validation of technologies / procedures
 - Dissemination of results amongst community of users'
- **Infrastructures to organise all types of exercises**, from Table top to Full scale exercises
- **Strong experience** in EU and national research and innovation projects
- **Preferred role in a consortium:**
 - Project Coordinator
 - Already a **core consortium of European end users**
 - covering different types of responders: police, firefighters, civil protection, medical emergency services, medical staff
 - with strong expertise in man-made and natural disaster as well as NRBC-E management

PREVISION



Current consultation of practitioners to identify the preferred technological option

French National Firefighter Officers Academy (ENSOSP)

- *Léa Taillandier - lea.taillandier@ensosp.fr*
- *ENSOSP*
- **Destination of interest:** CL3 – Destination 5 – Disaster Resilient Societies
- **DRS-01** : Enhanced disaster risk awareness, education, preparedness
- **DRS-02** : Improving disaster risk management and governance to enhance resilience (self-sufficiency & sustainability)
- **DRS-03** : Testing and validating tools, technologies and data
- **INFRA** – Human Factor

- **Thematics of interest :**

- Embedded and support technologies for First Responders
- Crisis management / Interactive Common Operational Picture (COP)
- Training
- New and emerging energies

- Natural disaster management
- CBRNE
- Human factor / Health
- Prevention and Preparedness
- Artificial Intelligence
- Communication means (5G/6G ...)
- Virtual Reality (mixed, augmented...)

- **Previous experiences :**

- Technological innovation
- Training innovation
- Knowledge management



- **What can you as practitioner organisation offer to a consortium?**
 - User needs collection and analysis
 - Exercise organisation / Test and validation of technologies
 - Training development / training needs analysis
 - Knowledge management
- **Which role do you prefer in a consortium?**
 - End-user
 - WP Leader
 - Task Leader



Thank you for your attention
Do not hesitate to contact us
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wilfried.stefic@ensosp.fr

ISAR Germany

Speaker: Regine Gerhards

Contact: ISAR Germany

simon.gutzeit@isar-Germany.de

I·S·A·R
GERMANY

INTERNATIONAL
SEARCH AND RESCUE

- Destination of interest: *DRS*
- *Topics of interest:* DRS-01-01, DRS-01-02, DRS-01-03
DRS-01-04

Needs and interests

ISA Germany is always looking for strong consortia that **value the input from first response end – users** and offer a adequate budget for heavy participation.

Interests

- *Technology Development (Robotics, Drones, Communication, Logistics, Sensors, AI, ...)*
- *First Responder Training*
- *First Responder Safety (e.g. PPE)*
- *Search and Rescue tools*
- *Medical Treatment “in the field”*
- *...*

Contribution

- ISAR Germany
 - ISAR Germany has participated in Horizon projects e.g RESCUER and RISKPACC
 - ISAR Germany is the WP leader for demonstrations in the HORIZON EUSPA project GEXTRECS
- What can you as practitioner organisation offer to a consortium?
 - Definition of the rescuers needs
 - Testing and Evaluation (e.g. Field Tests)
 - Usability
 - Large network of partners including practitioner
 - A strong & loud practitioner voice
- Which role do you prefer in a consortium?
 - Task or WP Lead (e.g. organizing pilots and demonstrations in a realistic environment)

European Emergency Number Association

- *Annita Elissaiou*
 - *ae@eena.org*
 - *European Emergency Number Association*
-
- Destination of interest:
 - *DRS, INFRA, CS, SSRI*



Needs and interests

Interests:

- *Improving public safety & resilience*
- *Early & public warning*
- *Emergency communications*
- *Next Generation 112*
- *Cybersecurity*
- *Ensuring uninterrupted emergency communications*
- *Technologies that can support first responders*
- *AI for public safety and emergency communications*
- *Standardization activities*
- *Increasing survival from cardiac arrests by increasing the use of AEDs*
- *Use of satellite services in emergency management*
- *Achieve access to emergency communications for people with disabilities*

Contribution

What can you as practitioner organisation offer to a consortium?

- *Wide network comprising of emergency services, civil protection authorities, governmental bodies focused on public safety, emergency & disaster management, and emergency telecommunications, decision-makers, associations and solution providers, international organisations*
- *A deep understanding and technical expertise about public safety, 112, emergency communications, civil protection operations, emergency, disaster and crisis management*
- *Involve members from our practitioner and expert networks in stakeholder engagement activities such as user needs analysis, co-creation and evaluation activities*
- *Maximise communication and dissemination reach to all stakeholder groups, utilising EENA's network and established communication channels*
- *Bridge public organisations with tech companies*
- *Transform research insights into key policy recommendations*
- *Share knowledge through publications and events*

Contribution

Which role do you prefer in a consortium?

- *Stakeholder engagement*
- *Communications & Dissemination*
- *User need analysis, evaluation planning*