



**EUROPEAN NETWORKING FOR SATELLITE  
TELECOMMUNICATION ROADMAP  
FOR THE GOVERNMENTAL USERS REQUIRING  
SECURE, INTEROPERABLE, INNOVATIVE  
AND STANDARDISED SERVICES**

**September 2021**



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 870330.

# SECURE SATELLITE COMMUNICATIONS (secure SatCom)



as an answer to:

- network interruptions and wider break-downs due to man-made and natural disasters;
- cyber threats.

**Crisis & disaster management**



**Logistics support**



**Key infrastructure monitoring**



**Border surveillance**



**Defence**



**Arctic communication**



**Maritime surveillance**



# GOVERNMENTAL SATELLITE COMMUNICATIONS

- Increasing dependence on highly sensitive information for decision-making;
- Connectivity and access not always guaranteed or at a high cost;
- Growing demand for secure and highly-available connectivity in a resilient network.

**Reliable communication  
independent of private sector companies**

**GOVSATCOM**



# GOVSATCOM

A satellite communications service under civil and governmental control, enabling the provision of satellite communications capacities and services to Union and Member State authorities that manage security critical missions and infrastructures.

- New component of the [Union Space Programme](#)
- Allocated programme budget: **EUR 0,442 billion** (for both SSA & GOVSATCOM);
- Secured and guaranteed access to SatCom capacity and services to authorised users;
- Pooling & sharing relevant governmental and commercial satellite assets and solutions.



Source: DG DEFIS, [https://ec.europa.eu/defence-industry-space/commission-welcomes-political-agreement-european-space-programme-2020-12-16\\_pl](https://ec.europa.eu/defence-industry-space/commission-welcomes-political-agreement-european-space-programme-2020-12-16_pl)

# ENTRUSTED PROJECT RATIONALE

- Definition of governmental users with respect to potential secure SATCOM services;
- Identification of current and evolving use cases, user needs and associated requirements;
- Identification of gaps between secure SATCOM capabilities and user requirements;
- User-driven approach in GOVSATCOM services development (tailored user access);
- Risk management and security accreditation.

EUROPEAN NETWORKING FOR SATELLITE  
TELECOMMUNICATION ROADMAP FOR  
THE GOVERNMENTAL USERS REQUIRING  
SECURE, INTEROPERABLE, INNOVATIVE  
AND STANDARDISED SERVICES

# ENTRUSTED CONSORTIUM

## MEMBER STATES REPRESENTATIVES



Austria



Cyprus



Luxembourg



Romania



Malta



Finland



Greece



Spain



Netherlands



France



Poland



Italy



Portugal



Czech Republic



Germany

FRONT~~EX~~

FRONT~~EX~~



DG ECHO



EUROPOL



EUSPA



JRC



SatCen



EEAS



EDA



EMSA

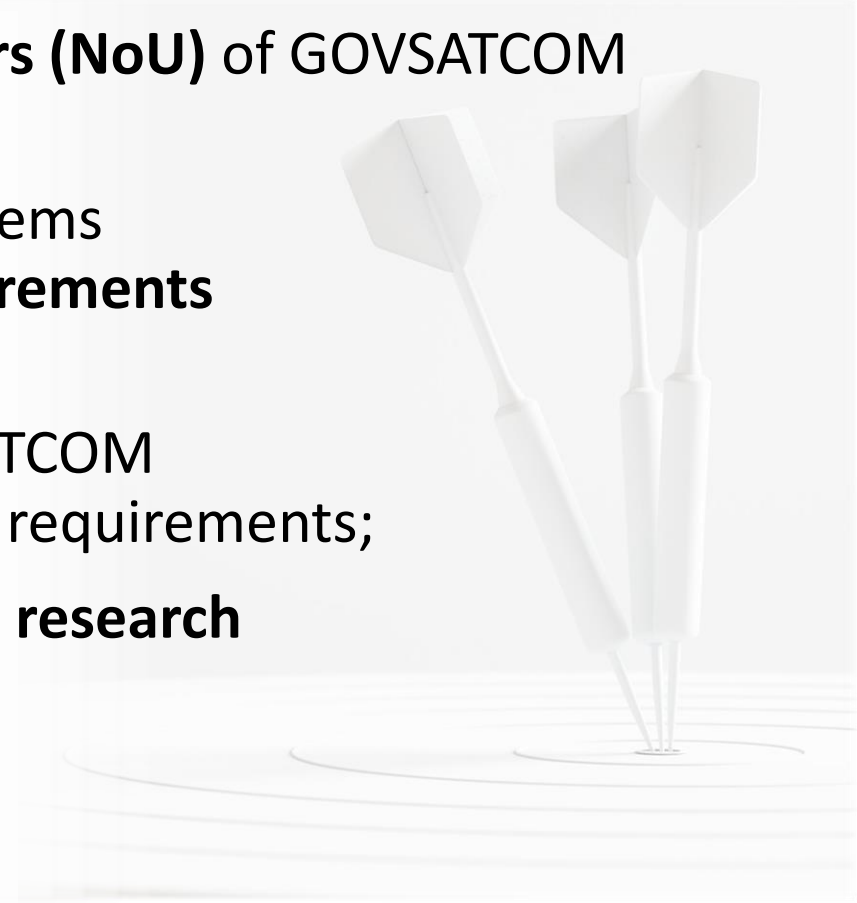


EFCA



# PROJECT OBJECTIVES

1. Establish and maintain **the Network of governmental Users (NoU)** of GOVSATCOM services;
2. Identify **governmental user needs** for secure SATCOM systems and create a consolidated and prioritised **set of user requirements** for the EU GOVSATCOM programme;
3. Develop a **synergies map** that serves the uptake of GOVSATCOM solutions among users, based on different capabilities and requirements;
4. Elaborate a **long-term roadmap and coordination plan for research and innovation activities** for GOVSATCOM.



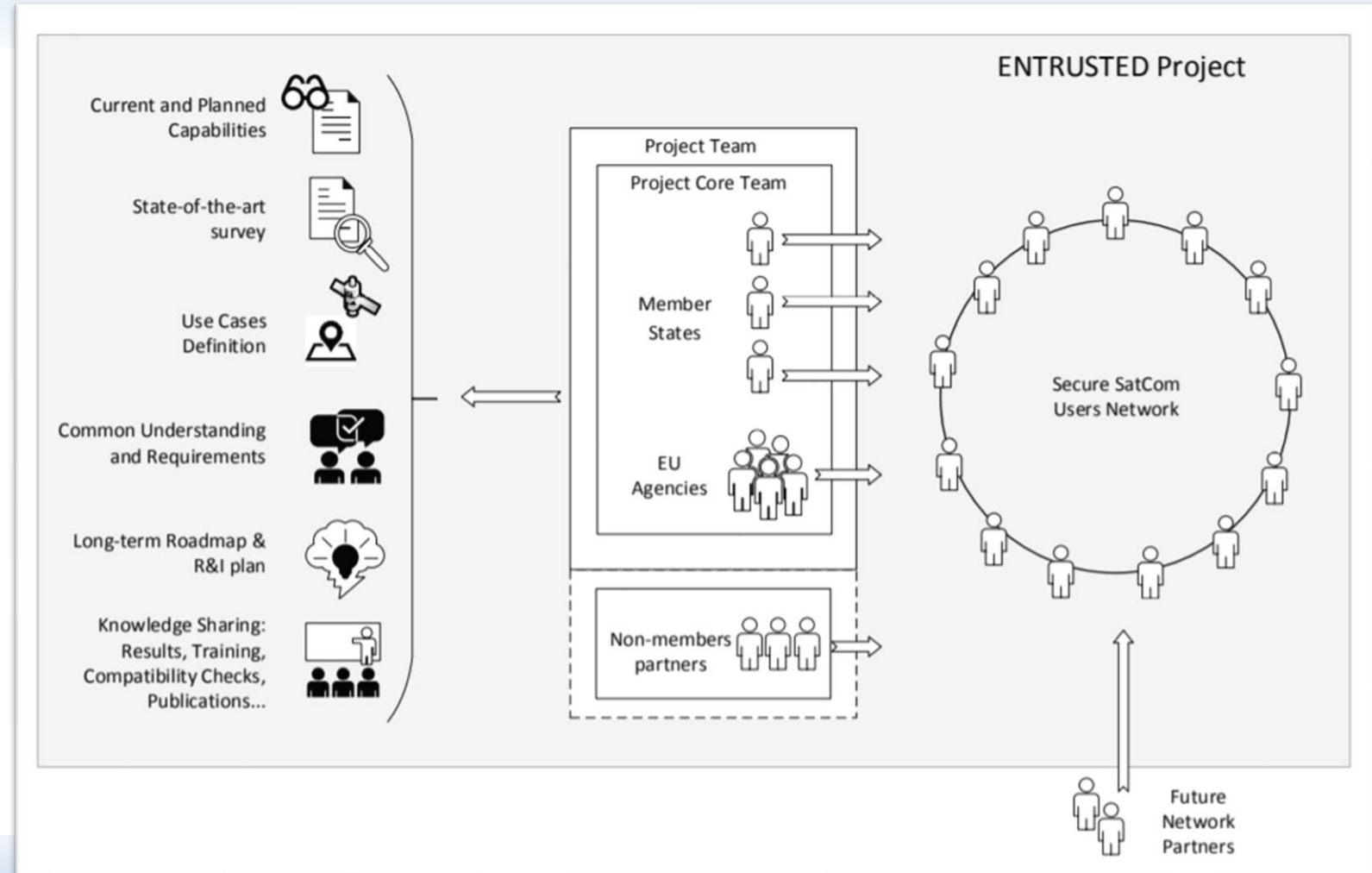
# R&I Roadmap and Coordination Plan

- Identification and prioritisation of topics that require research and innovation (R&I), in order to satisfy user needs and fill-in capability gaps;
- Indication of potential funding sources;
- Proposition of implementing actors and actions (e.g. joint R&I projects).

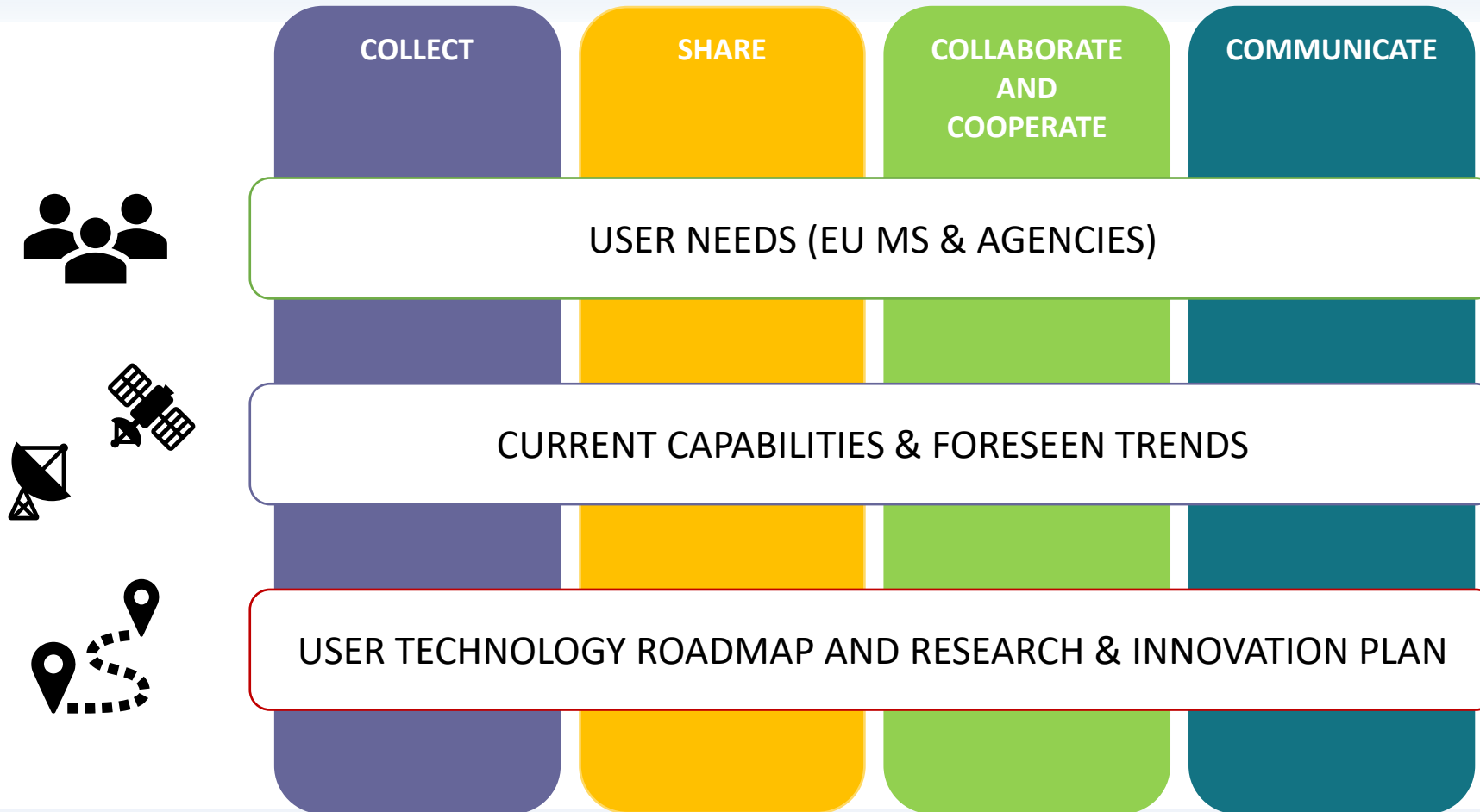
**Intended as a point of reference for the NoU  
and a wider European R&I community  
(funders, institutes and industry).**



# PROJECT CONCEPT



# PROJECT CONCEPT



# PROJECT OUTLINE

## WP LEADERS



WORK PACKAGE 1: PROJECT MANAGEMENT AND COORDINATION

WORK PACKAGE 2: USER NEEDS, REQUIREMENTS AND USE CASES DEFINITION

WORK PACKAGE 3: ANALYSIS OF SATCOM USER TECHNOLOGY

WORK PACKAGE 4: R&I ROADMAP DEFINITION

WORK PACKAGE 5: COMMUNICATION AND DISSEMINATION

# WORK PLAN STRUCTURE



## WP1 Project management & coordination

WP1.1 Project and technical management

WP1.2 Steering Committee management

WP1.3 Financial & legal coordination

# WORK PLAN STRUCTURE



## WP2 User needs, requirements & use cases definition

WP2.1 User communities  
identification and survey activities

WP2.2 Collection of user needs  
and identification  
of user requirements

WP2.3 Definition of Fields  
of Application and use cases

WP2.4 Validation of user  
requirements

# WORK PLAN STRUCTURE



## WP3 Analysis of SatCom user technology

WP3.1 Review of the state-of-the-art technology and enabled services

WP3.2 Analysis of future technology

WP3.3 Identification of key technological factors



# WORK PLAN STRUCTURE



## WP4 R&I roadmap definition

WP4.1 Existing relevant R&I

WP4.2 R&I gap analysis

WP4.3 Definition of the R&I  
Roadmap and  
Coordination Plan

# WORK PLAN STRUCTURE



## WP5 Communication & dissemination

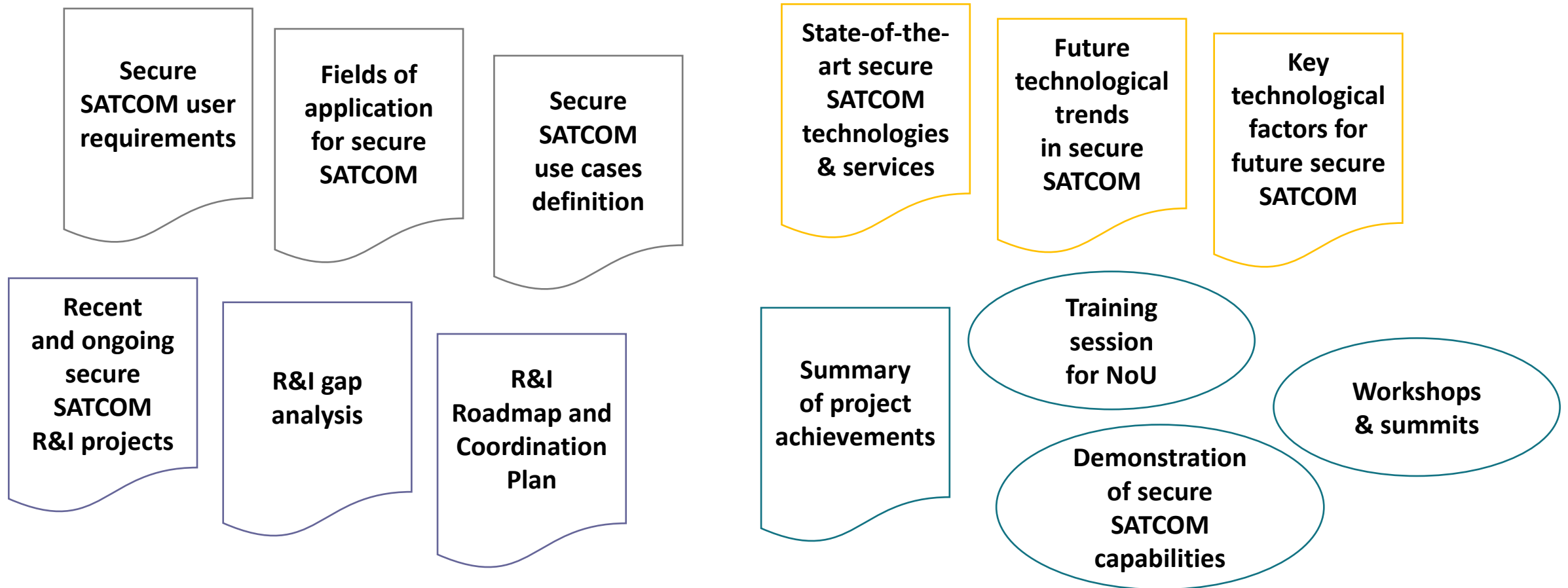
WP5.1 Communication  
& dissemination strategy

WP5.2 C&D channels management

WP5.3 Training and workshops

WP5.4 Secure SatCom  
demonstration

# MAIN DELIVERABLES



# EXPECTED OUTCOMES

- Sustained cooperation and exchange of information through a representative network of GOVSATCOM users;
- Uptake of governmental satellite communication solutions among users from different communities, backgrounds and MS;
- Efficient use of investments following the EU Research & Innovation Roadmap and Coordination plan.

# FOLLOW ENTRUSTED & CONTRIBUTE



Visit ENTRUSTED [website](#).



Subscribe to our newsletter.



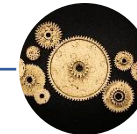
Follow us on social media.



Fill-in our survey.



Share your experience and ideas.



Let's join our efforts!

# CONTACT



## ENTRUSTED Project Coordinator: European Union Agency for the Space Programme

e-mail: [entrusted@euspa.europa.eu](mailto:entrusted@euspa.europa.eu)



## Work Package Leaders:



[entrusted.eu](http://entrusted.eu)



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 870330.