Drones for Civil Protection in DPPI Member States

WeRobotics Project Introduction

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Exploring Drone Use in DPPI Partner Countries

WeRobotics will conduct an assessment of how drones are used (or can be used) by DPPI Members in all 10 partner countries to develop a customized adoption and deployment plan for each member.

Our key goals:

- **Understand organizational scope**

- **Assess how drones are/can be used**

- **Describe regulatory environments**

- **Identify SWOT for each member state.**

Methodology

On behalf of DPPI, WeRobotics will carry out primary research (semi-structured interviews) and secondary research with each DPPI Member.

We'll use this information to provide concrete and actionable recommendations on how DPPI members can best leverage the use of drones for civil protection.

The following key areas will serve to inform the research (may evolve based on findings):

Key Areas

☀ Key Priorities

What are the key priorities of the DPPI Member?
What are their key competencies?
What are their key needs?

☀ Key Challenges

What are the most pressing operational challenges faced by the DPPI Member?
What other challenges limit the DPPI Member before, during or after deployments?

☀ Technical Readiness

How much experience with new technologies does the member have?
Is there org inertia or path dependence?

☀ Ease of Integration

What are current SOPs around drones, if any exist?
What might be needed to integrate drones and drone data into how the member already operates?

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Key Areas

☼ Capacity Building

Do existing staff have the time to learn, practice and ultimately deploy drones? Are they interested in doing so? Would new staff need to be added to the team? Is the current budget enough to support a drone program?

☼ Regulatory Environment

What's the administrative burden of flying drones in a given country?
How do the laws impact drone operations?
What does the team do to ensure they comply with the law?

☼ Current Drone Activities

What drone equipment does the member have?
Are they doing projects with drones already?
How much experience do staff have with drones?

☼ Team Safety Culture

Does the organization have drone safety, risk & data protection processes in place? What would be needed to bring the team up to standard?

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Key Areas

☀ Data Management, Storage, Security

What drone data processing software does the organization use? How is drone data managed and accessed? Do people know how to access it? Where is it stored? How secure is it? What happens if drone data is breached or stolen?

☀ Drone Ethics

What ethical practices does the organization have around drones? Is there written documentation? Can the public access this information? How does the organization engage with the public around drone data collection?

☀ Drone Data Into Action

What happens to drone data after collected?
Does it get used, or does it sit in a drawer?
Can the organization demonstrate instances where drone data influenced decision making? Why or why not?

☀ Innovativeness

Is the member interested in original, innovative ways to use drone technology?
What strategies has it used to ensure drone tech and data fits its needs?
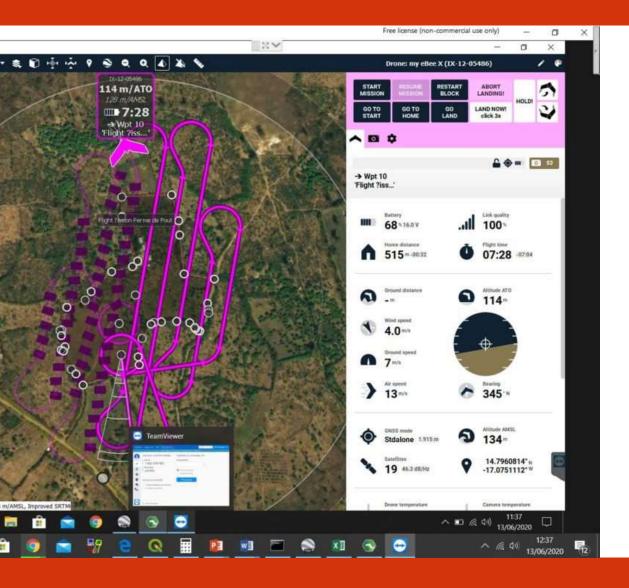
Professional Workshop

When the WeRobotics team completes its analysis, findings will be reviewed during a dedicated, interactive workshop with each DPPI member group.

Each key area will be discussed.

WeRobotics will suggest a concrete and customized path to enable each member to successfully adopt/improve **the use of drone technology based on the key areas just described.**
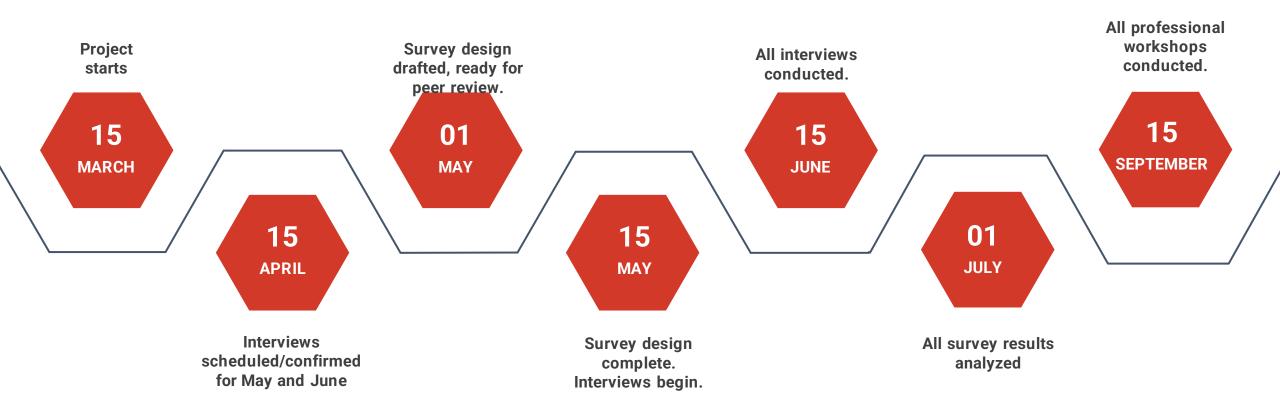
When the project is completed, WeR will release a joint analysis report summarizing our key findings from all 10 countries.

This action-oriented report will enable all DPPI Members take concrete next steps towards the operational and effective use of drones, covering key topics including professional training and certification, hardware and software procurement, safety culture and ethics standards.

PROJECT TIMELINE

Project starts

15 MARCH

Interviews scheduled/confirmed for May and June

15 APRIL

Survey design drafted, ready for peer review.

01 MAY

Survey design complete. Interviews begin.

15 MAY

All interviews conducted.

15 JUNE

All survey results analyzed

01 JULY

All professional workshops conducted.

15 SEPTEMBER

15TH OCTOBER - Final report with findings + recommendations submitted to DPPI SEE Secretariat.

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Any questions?

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