HELI4Rescue Introduction

Roma, 29.11.2012

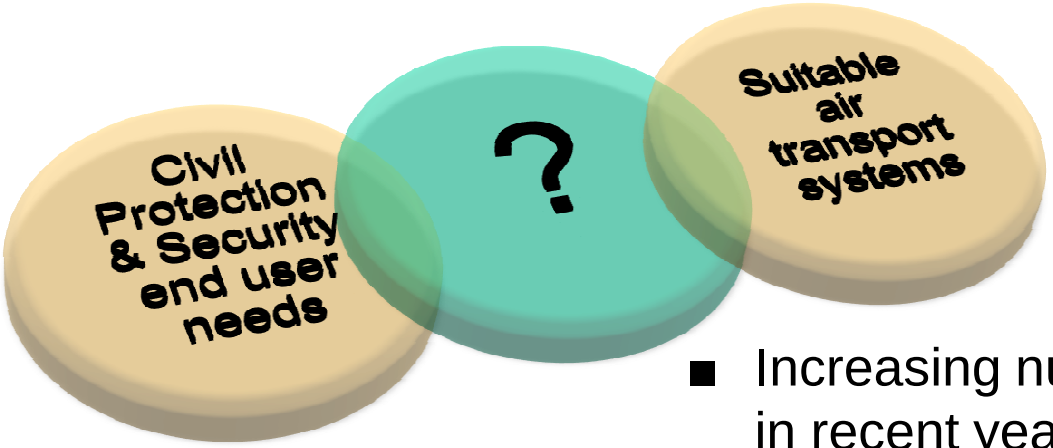
Introduction of the project

- **Type of the project:** Support Action
- **Time duration:** 01/08/2012 – 31/01/2014 (18 months)
- **Project content:** Assess of possibility of VTOL air transport system used for the last mile transport of heavy loads during the emergency/crisis situation
- **Scope of the project:** Developing functional specification for that transport including FTH, large airship and UAS possibilities as well
- **Expected results:** Definition of large VTOL air transport system as a support of the EU Civil Protection & Security Policy in case of emergency and disaster situation

Partners of the project

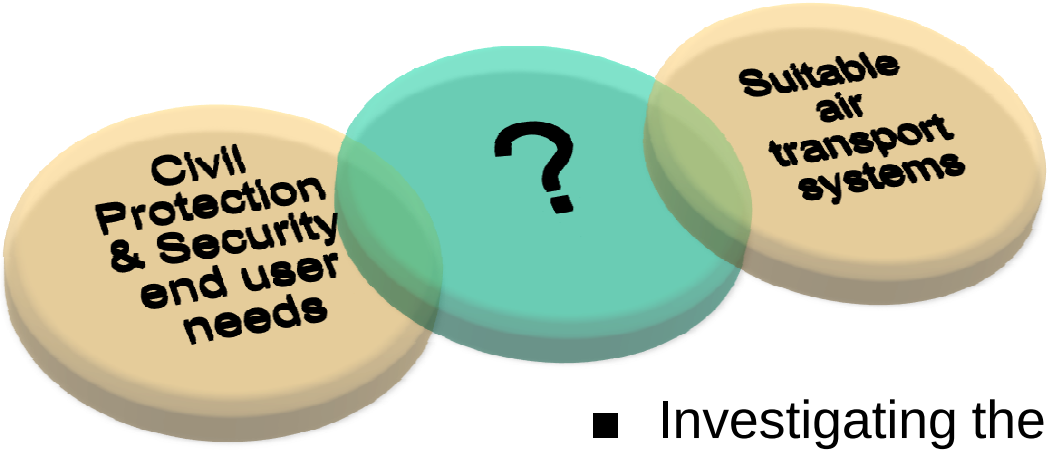
- **Fraunhofer IML (DE) – coordinator**
- Czech Association of Fire Officers (CZ)
- Ministry of Interior – Vigili del Fuoco (IT)
- Eurocopter Deutschland (DE)
- Pole Pégase (FR)

Why Heli4Rescue?



- Increasing numbers of emergencies/ disasters in recent years (in/out of Europe)
- UN/EU system of humanitarian assistance
- Logistic problem – teams' deployment & transfer of in-kind assistance
- Critical last mile transport
  - damaged infrastructure
  - non functional local services
  - not accessible areas

General Objectives – project strategy



- Investigating the use of high capacity air transport systems for Civil Protection & Security users
- Gathering and defining clear requirements for Civil Protection & Security users
- Feeding these requirements, including a dual-use dimension, at an early stage of the definition of large heavy transport helicopter programmes
- Defining interchangeable standards and concepts

Workpackages (WP)

WP1: Project management and work coordination

WP2: Inputs external to the project (Collaboration Club)

WP3:

- Identify crisis logistics problems
- Identify possible air transport solutions

WP4:

- Select relevant crisis and disaster management situations
- Derive operational regulation requirements
- Derive civil security user requirements

WP5:

- Develop supply chain scenarios
- Describe Euro-pean logistics network interaction
- Develop solutions based on FTH and alternative VSTOL transport systems

WP6:

- Determine deployment models
- Information dissemination
- EU policy support actions

Start of activities WP 4 – Leader: CNVVF

Cris.&disaster manag.–requirements for CC users

Tasks and activities:

- **Describe and validate crisis and disaster management situations and their operational environment to be addressed**

- **Identify and validate regulation requirements for operations of the FTH within a civil context**

- **Describe dimensioning features associated to the selected crisis and disaster management situations**
- **Derive Civil Security user requirements**
- **Validate these requirements**
- **Package requirements into exploitable sets**

Collaboration Club – potential users

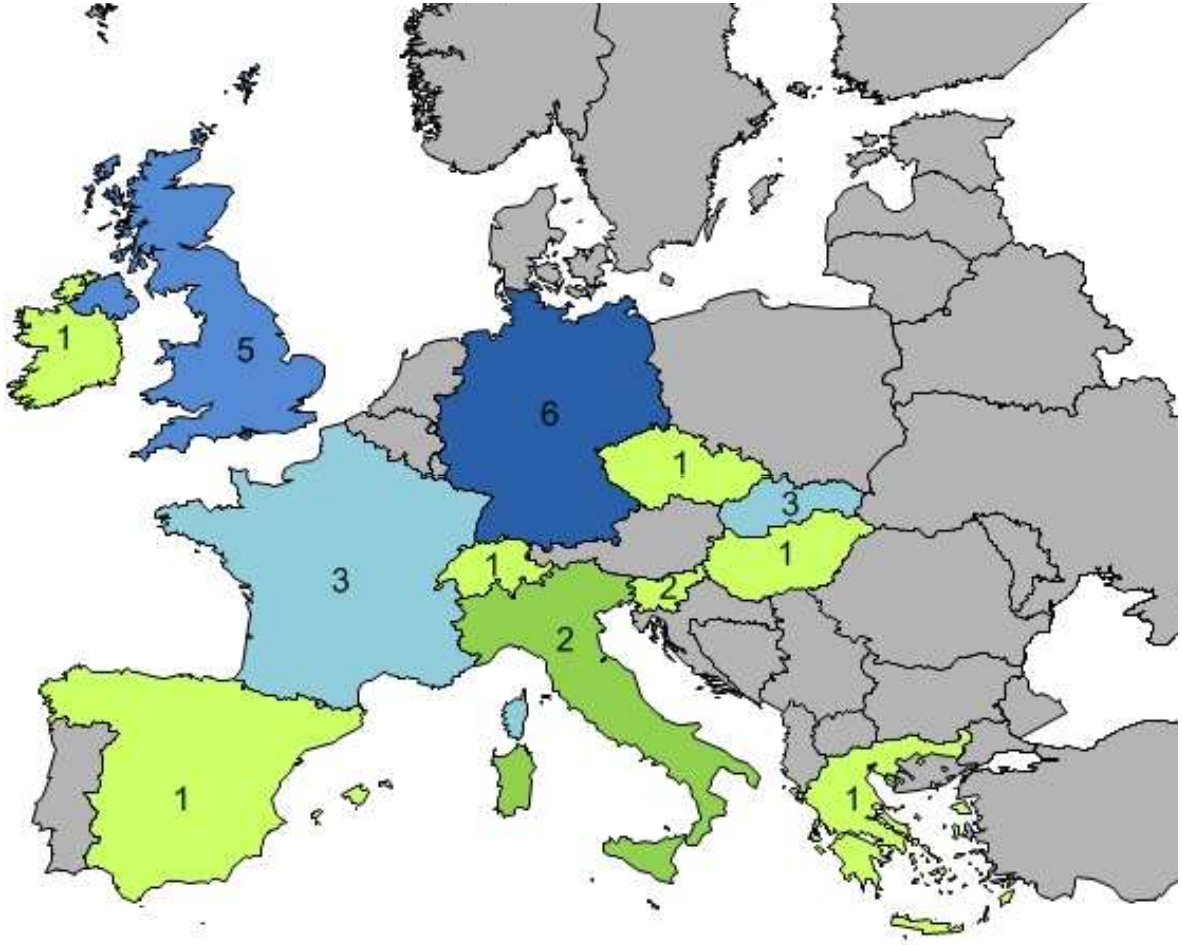
- **Why (is CC needed):**
  - Feedback from practical PoV
  - Evaluation of inter-medium results
  - Validation of final conclusions
- **What (CC workload):**
  - Attendance on five planned meetings
  - Requests for detailed information
  - Active participation – questionnaire, etc.
  - Dissemination of info on national/local level
- **Who (CC users):**
  - **CC1 Civil protection and security users**
  - **CC2 Other actors in crisis response and post-crisis restoration**
  - CC3 Facilitators of air transport operations
  - CC4 Aircraft/Airship manufacturers

Collaboration Club – main topics

- Prioritization CP & Sec* users needs
- Validation CP & Sec* user requirements
- Functional specification – FTH, airships, UAS
- Development Models for the deployment during the emergency/crisis situation
- Feasibility, economic and operational assessment of proposed deployment model
- Road maps for effective implementation for common EU approach for the large air transport

* Civil protection and security

CC-Members (Rome) geographical position/spreading



Preliminary CC meeting plan

From / To	CC concerned	Where
30/11/2012	CC 1 & 2	Roma (IT)
Jan/Feb 2012	CC 3 & 4	Munich (DE)
19/03/2013	CC 1 & 2	San Quirico (IT)
10-11/04/2013	CC 3 & 4	Aix-en-Provence(FR)
17-18/06/2013	All CCs	Le Bourget (FR)
15/10/2013	CC 1 & 2	Praha (CZ)
21/11/2013	CC 3 & 4	Munich (DE)
22-23/01/2014	All CCs	Frankfurt (DE)

Join Heli4Rescue

GET INVOLVED!

Contact

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HELI4Rescue

Helicopter for last mile emergency deployment

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