

5th UAS Workshop: Research and Development

Royal Military Academy, Brussels

9 February, 2012

Chair of the workshop: **Ms. Claude-France Arnould**, Chief Executive, EDA
Moderator: **Mr. Christian Bréant**, R&T Director, EDA

8:00 Registration

9:00 **Welcome**

Mr. Daniel **Calleja Crespo**, Director-General (DG ENTR) and Mr. Matthew **Baldwin**, Director (DG MOVE) - European Commission

9:10 **Summary of the 4th UAS Workshop**

Mr. Alfredo **Roma**, Professor, European Space Policy Institute, Bologna

9:20 **Objectives of the Workshop**

Ms. Claude-France **Arnould**, Chief Executive, European Defence Agency

Session 1: SETTING THE SCENE ON UAS APPLICATIONS IN THE NEAR FUTURE AND CORRESPONDING RESEARCH NEEDS

9:30 **R&D dimension of a EU strategy for UAS**

Christian **Bréant**, R&T Director, European Defence Agency

9:40 **European perspective: Land and maritime surveillance, border patrol**

Zdravko **Kolev**, Research Officer, Frontex

9:50 **National perspective**

Major Jesús **Borjas**, Fiscal and Border Command, Guardia Civil

10:00 **Business perspective**

Gilles **Fartek**, Director, Integra

10:10 **Discussion**

10:30 Coffee Break

Session 2: ON-GOING R&D ACTIVITIES LINKED TO UAS TECHNOLOGIES IN EUROPE

11:00 **Overview R&D funding for UAS in FP7 programme**

Pablo **Perez-Illana**, DG RTD (aeronautics research)

Doris **Schroecker**, DG MOVE (transport research)

Paolo **Salieri**, DG ENTR (security research)

11:30 **ESA activities on UAS**

Rita **Rinaldo**, Head of the Institutional Projects Section, European Space Agency

11:45 Research activities at national level

Julio Dolado **Tremúl**, UAS sector Manager, Directorate Global Innovative Markets, CDTI

12:00 UAS R&D State of the art: the industry view

Massimo **Avalle**, R&D New Initiatives Manager, Alenia Aermacchi, representing ASD

12:15 EDA activities on UAS

Giampaolo **Lillo**, Armaments Director, European Defence Agency

12:30 Discussion

12:45 Lunch Break

Session 3: TECHNOLOGY GAPS

14:00 Results and conclusions of the EREA4U Study

Claude **Le Tallec**, System department, ONERA

14:20 Technology gaps: ASD view in a nutshell

Dominique **Bertrand**, UAS Program Director, Cassidian, representing ASD

14:40 Perspectives from the regulator

Werner **Kleine-Beek**, Research Project Manager, EASA

15:00 Discussion

15:30 Coffee Break

Session 4: FUTURE UAS R&D: TOWARDS A COORDINATED APPROACH

16.00 Roundtable discussion with representatives of the Commission, EDA, ESA, ASD, SESAR/JU.

Tiit **Jurimae**, Head of Unit, DG RTD, European Commission

Christoph **Kautz**, Deputy Head of Unit, DG ENTR, European Commission

Christian **Bréant**, R&T Director, European Defence Agency

Amnon **Ginati**, Head of Integrated and Telecomm applications dept., ESA

Dave **Kershaw**, Future Capability Business Development Director, BAE systems, rep ASD

José Antonio **Calvo Fresno**, Chief Regulatory Affairs, SESAR Joint Undertaking

*Moderator: Daniel **Calleja Crespo**, Director General, DG ENTR, European Commission*

17:15 Closing remarks and way forward

Ms. Claude-France **Arnould**, Chief Executive, European Defence Agency

Mr. Daniel **Calleja Crespo**, Director General, DG ENTR, European Commission

Mr. Matthew **Baldwin**, Director, DG MOVE, European Commission

17:30 End of the Workshop