



UAS-RELATED ACTIVITIES



By Activity - In Alphabetical Order

Advisory Boards (member)

- Belgian Royal Military Academy's EU UAS-related projects (2013-2020).
- MILIPOL, world's largest annual state security exhibition (2015-2019) in Paris/France, Doha/Qatar, and Singapore.
- EC (co-)funded projects:
 - ICARUS (2013-2017)
 - DARIUS (2013-2017)
 - SAFESHORE (2016-2019)
 - MULTIDRONE (2016-2019)
 - DRONERULES.PRO (2017-2018)
 - FOCUS (2017-2019)
 - DREAMS (2017-2019)
- Corporate entities:
 - Clear Flight Solutions, Netherlands (2012-2020)
 - Clearance, France (2018-2020)
 - Drone Rescue Services, Austria (2023-Present)
 - SkyGrips, Luxembourg (2023-Present)

Awards

- Creator & administrator of the "Catherine Fargeon Award" (2003), which was presented by UVS International to persons (*government, regulatory & industry representatives*) in recognition of their personal commitment and contribution to promoting the insertion of drones into non-segregated airspace and/or the general promotion of the future use of drones.
Up to and including 2020, 78 persons received this award. These persons originated from 17 countries (Australia, Austria, Belgium, Canada, China, Finland, France, Germany, Israel, Italy, Malta, Netherlands, Norway, South Africa, Spain, Switzerland, USA), as well as from the following 9 regional & international institutions:
 - EUROCONTROL
 - European Commission (EC) (DG GROW & DG MOVE)
 - European Parliament (EP)
 - European Union Agencies (EASA, EDA, FRONTEX, SESAR JU)
 - International Civil Aviation Organization (ICAO)
- Creator & administrator of the "Awareness Creation Award" (*in recognition for longstanding personal commitment to & contribuion to promoting awareness of drones on an international level*) - 2 Recipients.
- Creator & administrator of the "RPAS Pioneer Award" (*to honour & thank individuals for their exceptional & dedicated life-time services to the international drone community*) - 2 Recipients.
- Creator & administrator of the "DeFlorio/Walker Award" (*renaming of the RPAS Pioneer Award*) - 2 Recipients.
- Creator & administrator of the "Innovation Award" (*for the development of a drone for an innovative application with a clear societal benefit*) - 1 Recipient.

Blyenburgh & Co

- Founder & CEO of Blyenburgh & Co, France (1995-2023), an international consultancy that administrated the UVS International association, organized UAS-related conferences & exhibitions, and published various UAS-related publications (See Publications below).

Civil Drone Councils

- Instigator of the "Comisión Asesora de RPAS de AESA", Spain (Nov. 2016), which became reality in March 2017.
- Instigator of the "Drone Council Nederland", The Netherlands, which became reality in April 2022.

Conferences (organizer & co-organizer)

- The annual "RPAS Regulatory, Policy & Innovation Forum" (*Europe's principal annual conference & exhibition in this domain*), principally in Belgium & France, but also in Germany (2x), The Netherlands (1x), Sweden (1x) (1998-2021).
- The "Euro UTV" conferences & associated exhibitions addressing remote controlled & programmed aerial, ground & naval targets, in The Netherlands (1999), Spain (2002), France (2006).
- "UAV Awareness Forum" at the Paris Air Show [*within the framework of a partnership agreement with SIAE (organizers of the Paris Air Show)*] (2003 & 2005).
- "UVS Forum" at Eurosatory (2006 & 2008 & 2010), focusing attention on aerial & ground unmanned systems (*including target systems & dynamic demonstrations*) (*within the framework of a partnership agreement with COGES, the organisers of Eurosatory, the world's largest army & homeland air-land equipment exhibition*).
- "RPAS Civil Operations Forum", Europe's principal annual drone operators conference dealing with drone operations & related matters, which to place in Belgium (6x), France (2x), The Netherlands (1x) & Spain (1x)

(2010-2020).

- Organisation & co-organisation of 77 UAS- & aerial target-related conferences in 16 countries (Belgium, Canada, Brazil, China, France, Germany, India, Netherlands, Peru, Russian Fed., Spain, Singapore, South Africa, Sweden, UAE, USA).

Data Bases (creation & administration)

- Drone-related regulatory documents.
- Drone brochures, data sheets, white papers, and photo library.
- Drone echo system members [persons in all countries involved with drones (manufacturers of systems, sub-systems & system elements - civil & military), operators (private & governmental), research organisations, academia, standards organisations, governmental authorities, regulatory authorities (national & international), national & international associations, interest groups & NGOs, and the international media (press)].
- Drone-relevant patents (*at system & sub-system level*) registered with the U.S. Patent & Trademark Office.

Drone REGIM

- Creation in Feb. 2020 (subsequent to the Madrid Declaration - see hereafter) & administration of the Drone REGIM initiative (*federating 120 persons from 92 companies & organisations in 22 countries*), which had as purpose to contribute, in coordination with EU national aviation authorities, to the harmonization of the national approaches to the implementation of the EU drone regulation.

EU (co-)Funded Consortia (participation)

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|-------------|-------------|-------------|-----------------|-------------|-------------|
| • ULTRA | (2012-2013) | € 900 000 | • DroneRules.EU | (2015-2018) | € 2 100 000 |
| • SkyOpener | (2016-2018) | € 2 800 000 | • AW-Drones | (2018-2021) | € 3 000 000 |

EUROCAE

- Instigation of & contribution to the creation of the EUROCAE Working Group (WG) 73 on UAS (April 2006).
- Participation in EUROCAE WG73 on UAS (standing advisor leadership team).
- Instigation of the Interim Working Group on Light RPAS, federating a number of European regulatory authority & industry representatives with the objective to produce a guidance document for EUROCAE WG73 on how to tackle the creation of standards for light drones (<150 kg), taking into account the specificities and financial & logistical limitations of small & medium sized enterprises (SMEs) that constitute the core of the small RPAS industrial community.
- Instigation & architect of a proposal for the re-organisation of EUROCAE WG73 SG4 on Light UAS (management structure, work methodology and objectives); the proposed principals were accepted by SG4 of WG73 in March 2011. In Dec. 2011, EUROCAE turned SG4 into a separate working group (WG93).
- Participation in EUROCAE WG93 on Light RPAS and member of the management team (as standing advisor).

European Commission (EC) & Agencies

- Contribution, on request of the EC - Directorate General Transport & Mobility (TREN), to the organisation of the first EC hearing on Light drones in Brussels, Belgium (Oct. 2009).
- Architect of a world-wide survey on light drones for EC DG MOVE (2009-2010).
- Member of the organizing committee of and participant in EC's 1st High Level UAS conference - Brussels, Belgium (July 2010).
- Instigator & coordinator of a petition by the international drone community (representing 2046 companies) to the EC (Dec. 2010).
- Production, on request of the director general of EC's DG MOVE, of a strategic recommendation on a way forward relative to developing the drone market in the EU & related actions. This confidential report was remitted in Feb. 2011.
- Member of the EC DG Enterprise & Industry's UAS Panel (2011-2012).
- "Chef de file" for the organisation of the "Industry & Market" workshop of the EC's UAS Panel (2012).
- Member of the European RPAS Steering Group, which produced the European RPAS Roadmap (2012-2013).
- Official remitter (on request of the EC and on behalf of European industry) of the European RPAS Roadmap to the EC at the Paris Air Show (June 2013).
- Coordination of the responses by the European national drone associations to EASA's Notice of Proposed Amendments (2013).
- Support to the organisation of & participation in the EC Stakeholders Hearing on RPAS Liability & Insurance organised by DG Enterprise & Industry - Brussels, Belgium (5 Mar. 2014).
- Participant in the EC Stakeholders Hearing on RPAS Privacy & Data Protection organised by DG Enterprise & Industry - Brussels, Belgium (29 Sept. 2014).
- Speaker at EASA's Safety Conference - Rome, Italy (15 Oct. 2014).
- Member of European RPAS Roadmap Implementation Coordination Group (2014-2015).
- Advisory support to the Latvian Civil Aviation Authority for the organisation of the drone flight demonstrations during the EC's high level drone conference in Riga, Latvia (March 2015).

- Speaker at the EC Joint Research Centre's conference - The Innovative Potential of Drones from the EU Perspective - Brussels, Belgium (Oct. 2015).
- Speaker at EC's 10th Security & Safety Symposium - Brussels, Belgium (Nov. 2015).
- Participant in the drone stakeholder workshop organized jointly by the EU Presidency (Netherlands), EC and EASA in Cologne, Germany on 20 June 2016.
- Panellist at EC DG for Humanitarian Aid and Civil Protection - RPAS Workshop for Civil Protection Experts - Brussels, Belgium (Jan. 2016).
- Participant in drone stakeholder workshop organized by the EU Presidency (Netherlands), EC & EASA - Cologne, Germany (Jun. 2016).
- Speaker at the High Level Drone Conference, organized jointly by EASA, Polish Ministry of Infrastructure & Construction, Polish Civil Aviation Authority - Warsaw, Poland (Nov. 2016).
- Member of SESAR Joint Undertaking's Outlook Study Reference Group (2015-16).
- Member of EASA's RMT.023 Drone Expert Group (2017-2021).
- Speaker at 1st EASA-Civil Aviation Authority of China (CAAC) RPAS Work-shop, in context of the EU-China Aviation Partnership Project - Beijing, China (Mar. 2017).
- Panellist at SESAR's U-Space Workshop - The Hague, The Netherlands (Apr. 2017).
- Speaker at 2nd EASA-CAAC RPAS Workshop - Shenzhen, China (Jun. 2018).

EUROSTAT

- Drafting, on request of EUROSTAT, of a new additional classification regarding the "Manufacture of UAS and related system components" for inclusion in the "Statistical Classification of Economic Activities in the European Community (NACE)" (2022).

Information Dissemination

- Editor of the UVS News Flash (2003-2011), a newsletter with information on unmanned systems (air, ground, naval), which was published every two weeks [*replaced in 2011 by the daily UAS Vision (see below)*].
- Creation & administration of rps-info.com (1998), a generic UAS web site with the world's largest library of international drone-related brochures, datasheets, photos, presentations, publications, opinion papers (free access for all).
- Creation (2010) & administration of uas-patents.org, which supplied information on drone-relevant patents registered with the U.S. Patent & Trademark Office, and making these patents accessible to interested parties.
- Co-founder (2011) of and contributor to UAS Vision, a free daily drone-related electronic information service.
- Creation (2014) & administration of rps-regulations.com, a single point of reference web site for all drone-related regulatory information in the world (264 countries & territories referenced), as well as aviation terminology & recommended drone terminology, relevant white papers, opinion papers and theses (free access for all).
- Information dissemination by email for various organisations, including:
 - International Civil Aviation Organization (ICAO)
 - International Criminal Court
 - European Commission (EC)
 - European Aviation Safety Agency (EASA)
 - European Defence Agency (EDA)
 - EUROCONTROL
 - French Civil Aviation Authority (DGAC)
 - Joint Authorities for Rulemaking on Unmanned Systems (JARUS)
 - Org. for Security Cooperation in Europe (OSCE)
 - EC-funded Study Consortia.

International Civil Aviation Organization (ICAO)

- Participation in the ICAO-instigated "informal core group" (2004-2007), which prepared a guidance document identifying the work to be undertaken by ICAO on drone standards. This report motivated the creation of the ICAO UAS Study Group.
- Participation in the "informal" ICAO UAS Study Group (2008-2014) & the "formal" ICAO UAS Panel (2014-2021).
- Member of ICAO's Global Forum on Civil/Military Coordination organisation committee (Oct 2009); organizer & chairman of the drone session at this event.
- Member of the coordination team of ICAO's international civil/military ATC coordination initiative. Participation in regional meetings (Lima, Peru & Bangkok, Thailand) to create awareness with regional authorities regarding drones.
- Organizer, in partnership with the ICAO South American Regional Office in Lima, Peru, of the 1st ICAO Regional RPAS Summit in Lima, Peru (April 2012).
- Participant in ICAO's RPAS Panel (2014-2021).
- Member of organisation committee of ICAO's Global RPAS Forum (Mar. 2015).
- Session coordinator, panellist & speaker at ICAO's Air Cargo development Forum in Zhengzhou, China (Sept. 2018).
- Session coordinator, panellist & speaker at ICAO's Drone Enable Forum in Zhengzhou, China (Sept. 2018).

International Surveys (conducted)

- Worldwide survey on non-military (governmental & civil) applications of the light drones (<150 kg) (2011) - On request of the European Commission.
- 1st international multi-lingual (Dutch, English, French, German, Italian, Japanese, Mandarin, Polish, Spanish)

survey on drone operations. Contributions by over 1000 operators from 67 countries permitted to identify & qualify the relevant drone application sectors & missions (July-Dec. 2016).

- 2nd worldwide multi-lingual (Dutch, English, French, German, Italian, Japanese, Mandarin, Polish, Spanish) survey on drone operations (2018).
- 3rd worldwide multi-lingual “Global UAS OPS” survey on UAS operations (2020).
- European multi-lingual “UAS OPS” & “U-space Insight” surveys (2021) - In the context of the AW-Drones project.

Joint Authorities for Rulemaking on Unmanned Systems (JARUS)

- Creation & administration of jarus-rpas.eu, the official JARUS web site (2012-2015) (Since 1 Nov. 2015 administered by the JARUS Secretariat).
- Contributor to the creation of the new terms of reference of the JARUS Stakeholder Consultation Body and the JARUS Industry Stakeholder Body.

Joint JAA/Eurocontrol UAS Task Force

- Instigation & organisation, in collaboration with the Joint Aviation Authorities (JAA), the predecessor to EASA, of the Joint JAA/EUROCONTROL UAS Task Force (April 2002 – Oct. 2003).
- Secretary of this working group for its duration.

Madrid Declaration

- Architect of the Madrid Declaration on Drones (Dec. 2019), which stressed the importance of cooperation & coordination between the EU national drone communities in order to successfully implement the EU drone regulation. See also Drone REGIM above.

National Associations

- Instigation and/or assistance and/or support with the creation of national drone associations:
 - ABIMDE-VANT Brazil
 - ASSORPAS Italy
 - DARPAS Netherlands (†2019)
 - UAS Norway Norway
 - US Canada Canada
 - AERPAS Spain (†2015)
 - AVBS Czech Rep. (†2013)
 - FPDC France
 - UAV-DACH Germany
 - UVS France France (†2012 & replaced by FPDC)
 - ARPAS UK
 - BeUAS Belgium
 - JUAV Japan
 - UAVS UK (†2017)

NATO

- On request of the chairman of NATO Air Group 7 (renamed JCG UAV), undertook the initial groundwork and start-up of the FINAS (Flight In National Airspace) working group in 2003, to tackle matters relative to military drone-related airworthiness & certification (still ongoing).
- Participant in NATO Industrial Advisory Group (NIAG) SG/75 on UAV Autonomous Operations (2008-2009).

Publications (editor & publisher)

- Production & publication of the 1st international glossary of commonly used and acceptable RPAS-related terms and definitions (based on documents produced by ICAO, EC and various national aviation authorities) (2012).
- Production & publication of a classification of drone-related specialised operations (aerial work) (2012).
- ICAO Terms & Explanations (1st document grouping all terms & definitions used in the Annexes of the Chicago Convention) (1st edition 2012).
- The RPAS Glossary (3rd edition 2013).
- RPAS Operations (3rd edition 2013).
- The Non-Military Drone Market (structural approach to the non-military drone market (commercial & non-commercial - market sectors, flight operations, mission purposes, explanation of terms, payloads, examples) (1st edition 2016).
- The UAS Ecosystem (2nd edition 2023).
- VTOL-Capable Drones (1st edition 2023).
- Professional Drone Operations Market (2nd edition 2022).
- Professional Drone Operations (1st edition 2023).
- RPAS: The Global Perspective - Volume I (18th edition 2023) - International UAS reference publication.
- RPAS: The Global Perspective - Volume II (18th edition 2023) - References UAS-related system elements, sub-systems (including imaging & non-imaging payloads) and counter-UAS systems.

Upcoming Publications - January 2024

- The UAS Ecosystem (3rd edition)
- VTOL UAS (2nd edition)
- Professional UAS Operations (4th edition)
- UAS: The Global Perspective - Volume I (19th edition) - International UAS reference publication.
- UAS: The Global Perspective - Volume II (19th edition) - References UAS-related system elements, sub-systems (including imaging & non-imaging payloads) and counter-UAS systems.

Published Articles (author)

Over 400 articles & opinion papers published in various international hardcopy & electronic publications, blogs, newsletters & social media (since 2000).

Speaking Engagements

- 171 keynote addresses on drone-related matters at conferences in 32 countries (Austria, Australia, Belgium, Brazil, Canada, China, Czech Rep., France, Germany, Greece, India, Italy, Japan, Latvia, The Netherlands, Norway, Peru, Poland, Portugal, Qatar, Russian Fed., Singapore, Slovenia, South Africa, Spain, Sweden, Switzerland, Thailand, Turkey, UK, UAE, USA).

Study Programmes

- Instigation and/or co-ordination of UAS-related studies:
 - UAV-INFO (for the French National Police) (2008)
 - NAVDROC (for the French Civil Aviation Authority)
 - UAV-REG (for the French Ministry of Defence)
 - UAS for Future USE by Security & Environmental Purposes (for European Defence Agency) (2006)
 - UAS Payloads for Future USE by Security & Environmental purposes (for European Defence Agency) (2006)
- Participation in:
 - USEP (Ministry of Defence, CGArm, France) (2006-2007)
 - ICAReS (DARPAS, The Netherlands) (2016-2019)

United Systems Europe (USE)

- Founder & Secretary General of United Systems Europe, The Netherlands (2021-2023) - A non-profit association dedicated to the interests of UAS operators & remote pilots in light of the implementation of the European drone regulation.

UVS International (UVSI)

- Founder & elected President of UVS International, The Netherlands (1997-2021) - A non-profit association dedicated to the promotion of UAS operations and the creation of the relevant rules, regulations and standards.

Working Groups & Networks & Initiatives

- Creation of the UCARE network & online library, which was set up to make drone-related standards, certification, airworthiness, air traffic management documents & opinion papers available to the international drone community (2003-2010).
- Instigation of the European UAV Industry Consultation Body (2004-07), which federated European drone industry representatives, with the intent to advance European drone certification and their insertion into non-segregated European airspace. This initiative was continued by the European Aerospace & Defence Association (ASD).
- Instigation of the Global Access Initiative, which had as objective to widen general awareness of drones and ongoing international regulatory activities, and to make information in this field freely accessible to all interested parties (2005).
- Instigation of the Transatlantic RPAS Roundtable series of events in Washington, DC, USA (*in cooperation with The European Institute*) to promote high level trans-Atlantic understanding and cooperation (2006, 2007, 2008).
- Co-ordination & contribution to USEP, a pan-European inter-governmental study on drones for security & environmental purposes, conducted by "Conseil Général de l'Armement", a high level French Ministry of Defence think-tank (2006-2007).
- Instigation & creation of the international Test Range Directory initiative (2008).
- Instigation & coordination (2010) of the Interim Working Group on Light RPAS, which federated a number of European regulatory authority & industry representatives with the objective to produce a guidance document for EUROCAE WG73 on how to tackle the creation of recommended standards for Light drones (<150 kg) taking into account the specificities and financial & logistical limitations of the small & medium-sized companies that constituted the backbone of the Light drone industrial community.
- Instigator & architect of the International RPAS Coordination Council, which federated 19 European & 5 non-European national associations with drone-related activities (2008).
- Instigator & coordinator of the RPAS Autopilot Validation Tool (RAVT) initiative (2015), federating 18 companies with to define the functional capabilities of an algorithm that would be capable of evaluating the operational safety level of autopilots (*incl. geo-fencing capabilities*) for drones (MTOM < 25 kg), creating a technical operational standard.
- Architect of the pan-European "Madrid Declaration" (Dec. 2019), which instigated the creation of "Drone REGIM".
- Initiator & architect of "Drone REGIM", an initiative concerning the European harmonisation of national rules addressing issues not covered by the European regulation, which federated 93 companies & organisations (2019-2021).