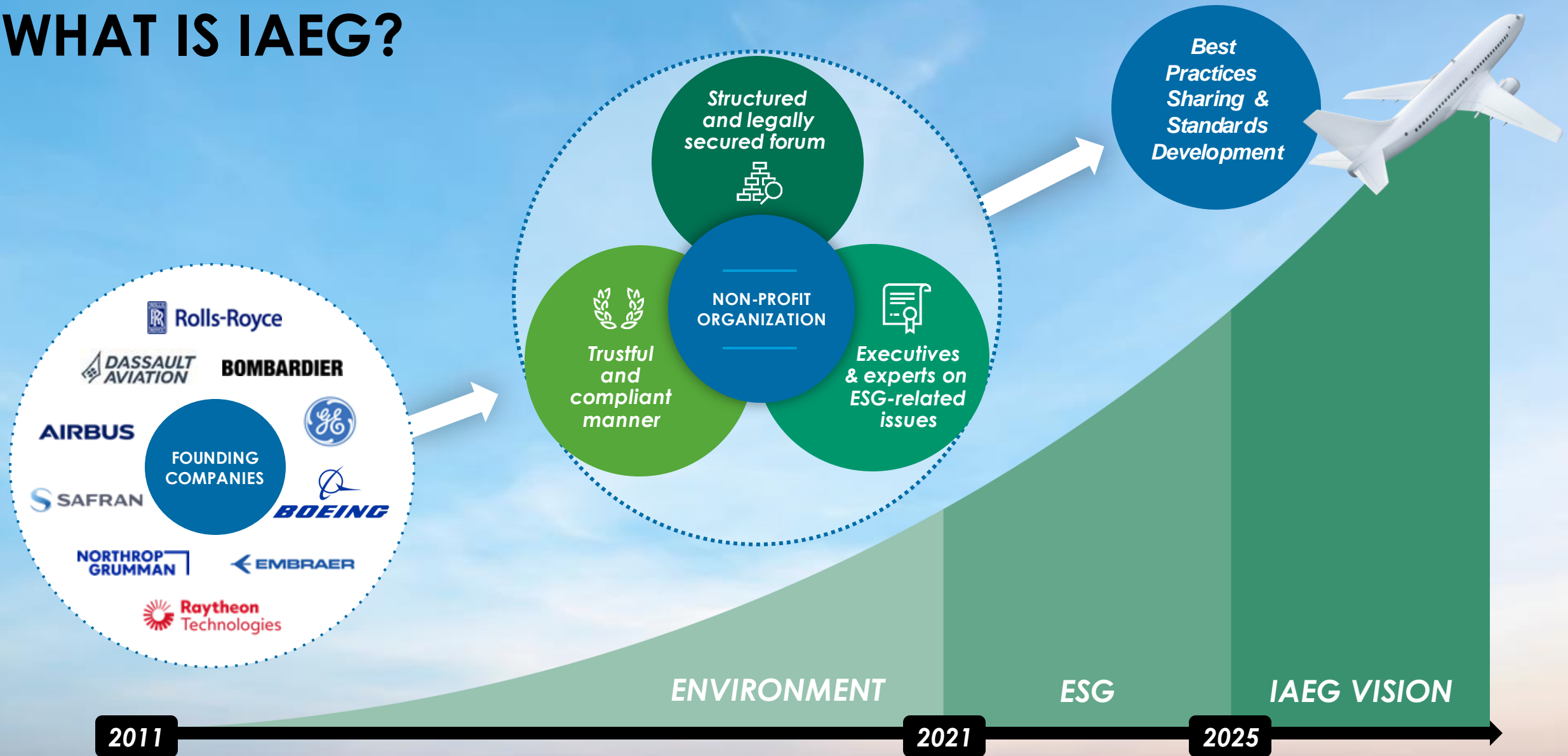


# Introduction to IAEG®

International Aerospace Environmental Group®

# WHAT IS IAEG?





LEADING EDGE  
SOLUTIONS  
ACROSS THE  
VALUE CHAIN



RESPONSIBLE &  
SUSTAINABLE  
AEROSPACE  
INDUSTRY

A RECOGNIZED GLOBAL BODY FOR AEROSPACE & DEFENSE

**57** MEMBER  
COMPANIES

**70%** OF GLOBAL AEROSPACE & DEFENSE  
INDUSTRY ARE IAEG MEMBERS

**\$518B** COMBINED ANNUAL 2022 REVENUES  
FOR IAEG (FULL) MEMBERS

**\$740B** TOTAL GLOBAL AEROSPACE  
INDUSTRY 2022 REVENUES

## IAEG Full Members

|   |                             |
|---|-----------------------------|
| Airbus                                  | GE Aerospace                |
| ATR                                     | General Atomics             |
| BAE Systems                             | GKN Aerospace               |
| Boeing                                  | Gulfstream                  |
| Bombardier                              | Henkel                      |
| CAE                                     | Hexcel Corporation          |
| Dassault Aviation                       | Honda Aircraft Company, LLC |
| De Havilland Aircraft of Canada Limited | Honeywell                   |
| Diehl Aviation Holding                  | Howmet Aerospace            |
| Embraer                                 | Huntsman Advanced Materials |

|   |
|---|
| Israel Aerospace Industry, Ltd.               |
| L3Harris Technologies, Inc.                   |
| Leonardo UK Ltd.                              |
| Lockheed Martin                               |
| MTU Aero Engines                              |
| Northrop Grumman                              |
| Onitic  |
| Praxair Surface Technologies, a Linde Company |
| RTX   |

|                    |
|--------------------|
| Rolls-Royce        |
| SAAB AB            |
| SAFRAN             |
| Socomore           |
| Spirit AeroSystems |
| Textron, Inc.      |
| Thales             |

## IAEG Liaison Members

|                              |
|------------------------------|
| Aero Montreal                |
| Airbus Canada                |
| Airbus Defence and Space     |
| Airbus Helicopters           |
| ANSYS UK Limited             |
| Assent Inc.                  |
| BSI Group                    |
| Capgemini                    |
| Dassault Systems Enovia Corp |
| DXC Technology               |
| Haley & Aldrich              |

|   |
|---|
| Hangsterfer's Laboratories, Inc.                        |
| Noblis  |
| Ramboll Environment & Health Risk & Policy Analysts Ltd |
| SAFECHEM Europe GmbH                                    |
| Sopra Steria  |
| Souriau SAS   |
| Tetra Tech  |
| Yordas Group  |
| 3M Deutschland GmbH                                     |

# IAEG GOVERNANCE & WORKING GROUPS

Legal  
counsel

Chair: Bruno COSTES, *Airbus*  
Vice-Chair: David GRAEBER, *Boeing*

## Board of Directors

Representatives from:

*Airbus, BAE Systems, Bell Flight-Textron, Boeing, Bombardier Aerospace, CAE, Dassault Aviation, Embraer, GE Aerospace, Howmet Aerospace, L3 Harris Technologies, Leonardo, Lockheed Martin, Northrop Grumman, RTX, Rolls-Royce, Safran, Thales*

## Executive Committee

Executive  
Director  
(AMC)



Materials and  
Substances  
declaration

### WG1

Mussie PIETROS | Lucy REINBOLD  
GE Aerospace | RTX



Replacement  
technologies

### WG2

Michelle McELVAINE | Margaret PROUL | Joseph MCCARTHY | Helen MIDDLETON  
Boeing | Lockheed Martin | Leonardo | Rolls-Royce



REACH  
Authorisation

### WG5



Greenhouse Gas  
Reporting

### WG3

Bruno DARBOUX  
Airbus

ISO  
14001

ISO 14001 and EMS  
implementation

### WG7

Cindy KLOEHN  
Airbus



Emerging  
regulations

### WG9

Lisa BROWN  
Lockheed Martin



Aerospace Industry  
ESG Engagement

### WG11

Mark WALKER | Ashley RUBINSKY  
Airbus | Lockheed Martin



Life Cycle  
Assessment

### WG12

Phill GODFREY | Céline BADUFLE  
Collins Aerospace | Airbus



100% Paraffinic SAF  
Compatibility  
Collaboration

### WG13

Dean COX  
Boeing



Circular Economy

### WG14

Sandra SASSONE | Christin DATZ  
Airbus | Boeing

External  
Support

More than 500 people share best practices, standards & innovative solutions



# BOARD OF DIRECTORS | EXECUTIVE COMMITTEE



**Bruno COSTES**  
AIRBUS  
Chair



**David GRAEBER**  
BOEING  
Vice-Chair



**Sandra GRIDLEY**  
RTX  
SPC Lead



**Matt PAYNE**  
ROLLS ROYCE  
COO



**Kathleen OLDHAM**  
BELL FLIGHT  
Com. Officer



**Heather DANIELS**  
LOCKHEED MARTIN  
Treasurer



**Mónica GALISTEO PUYUELO**  
HOWMET  
Secretary



**Frédéric ROUMÉGOUX**  
AIRBUS



**Deborah ALLEN**  
BAE SYSTEMS



**Ryan FAUCETT**  
BOEING



**Paul MICHAUD**  
BOMBARDIER



**Sean JOHNSON**  
BOMBARDIER



**Hélène V. GAGNON**  
CAE



**Sarah VONACH**  
DASSAULT AVIATION



**Fabienne FAURRE**  
DASSAULT AVIATION



**Andre LUIZ TACHARD**  
EMBRAER



**Venancio NETO**  
EMBRAER



**Geraldine BARNUEVO**  
GE AEROSPACE



**Rachel BECKER**  
GE AEROSPACE



**Christopher LINES**  
LEONARDO



**Costa TRIANTAFYLIDIS**  
L3 HARRIS TECHNOLOGIES



**Brodie DAVIS**  
NORTHROP GRUMMAN



**Stanley MERRITT**  
NORTHROP GRUMMAN



**Sally GESTAUTAS**  
RTX



**Ian BENTLEY**  
ROLLS-ROYCE



**Nathalie STUBLER**  
SAFRAN



**Caroline GIBON**  
THALES



# WHY JOIN IAEG...?

## ... TO TACKLE CLIMATE CHANGE (WG3 & WG13)



### GHG Emission Reporting Guidance

- Scope 1 & Scope 2
- Scope 3
  - Cat 1 – Purchased Goods & Services
  - Cat 11 – Use of Sold Products



### Reporting Tool

- Purchased Goods & Services and Capital Goods
- Fact Sheets and Webinars



### Other Sub-Teams (WG3)

- Use of Sold Products-Military
- Science-Based Targeting
- Space Applications



### 100% SAF Compatibility (WG13)

- Assess compatibility with a focus on "non-drop-in" SAF
- Determine gaps in industry infrastructure readiness to support "non-drop-in" SAF
- Monitor and engage on current efforts to approve the new standard for 100% synthetic "drop-in" SAF



### Guidance for Calculating Civil Aviation Scope 3 Emissions: Category 11 – Use of Sold Products

01 June 2022

Version 2

This document is released for purpose of supporting companies for the calculation of their Scope 3 Category 11.

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## GREENHOUSE GAS



MANAGEMENT & REPORTING



# WHY JOIN IAEG...?

## ... TO CHAMPION CHEMICAL STEWARDSHIP



### Materials & Hazardous Substances Reporting (WG1)

- Declarable Substances list (AD-DSL)
- Materials and Substances Declaration (IPC 1754 - ISO 82474)
- Associated Training Material



### Replacement Technology (WG2)

- R&D collaboration to replace hazardous substances
- Cadmium Plating Replacement, Bonding Primers



### EU & UK REACH Authorization (WG5)

- Evaluate Risk for Supply Chain Disruption due to ever evolving REACH Regulations (eg: BPA, PFAS...)
- Establish common folders



### Global Emerging Regulations (WG9)

- Monitoring Emerging Environmental Regulations across 50 Countries
- Regulatory Alerts
- Monthly Newsletters



**IAEG**  
INTERNATIONAL AEROSPACE  
ENVIRONMENTAL GROUP

### IAEG® WG2 - Integral Fuel Tank Coating Product Requirements Document

31 May 2023  
Version 01



### Newsletter

Global Environmental and Chemical Regulations, Policies, and Standards

December 2022  
Vol.2, Issue 12

Participate in a forum for dialog on industry optional approaches for implementation of environmental requirements





# WHY JOIN IAEG...?

## ... TO FOSTER SUSTAINABILITY AND ENGAGE SUPPLY CHAIN



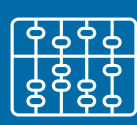
### ISO 14001 and EMS Application (WG7)

- ISO 14001: 2015 Implementation Guide
- Multi-Leveled EMS Maturity Framework Based in ISO 14001 for SMEs Suppliers
- Implementation guides



### Aerospace Industry ESG Engagement (WG11)

- Contract with EcoVadis as a Voluntary Reusable ESG Protocol
- Possible discounts for IAEG members
- Score Cards for Customers, Suppliers and Industry
- Industry Effort to Educate and Improve the Global Aerospace Supply Chain on ESG topics
- ESG Global Sectoral assessments



### Life Cycle Assessment (WG12)

- Inform design choices & Accelerate WayPoint 2050
- Support EPD & align with emerging regulations
- Build consistency & stakeholder confidence



### Circular Economy (WG14)

- Establish industry priorities and identify regulation landscape
- Define calculation methodologies and standards needs
- End-of life management best practice sharing and marketplace development



[And more...](#)



# MEMBERSHIP ELIGIBILITY DETERMINATION

1

Principally engaged in carrying out design, manufacture or support of civilian or military aerospace original equipment, systems, or structures of aircraft, rotorcraft, satellites and/or space exploration vehicles;

2

Major Supplier earning at least \$100 million in annual revenues as a supplier to Aerospace Companies; or

3

Supplier, regardless of the total revenue, having at least 80% of its annual revenue from Aerospace Companies.

## 2024 Annual Membership Fees

### IAEG® Full Member

If at least one of the above criteria applies, and the applicant is NOT a subsidiary of a company already a Full Member of IAEG®

|   |          |
|---|----------|
| • > \$10B average annual revenue (for the last 3 years, based on exchange rates December 31 <sup>st</sup> ) | \$26,650 |
| • < \$10B average annual revenue (for the last 3 years, based on exchange rates December 31 <sup>st</sup> ) | \$19,965 |

### IAEG® Liaison Member

If neither of the above bullets apply or applicant is a subsidiary of a company already a Full Member of IAEG®

\$6,655

# MEETINGS AND WAY OF WORKING



**IAEG Overview and Compliance Training** *(Semi-monthly for new member company representatives)*



**Work Groups** *(Weekly or Monthly / Remote)*



**All-Members Progress Review** *(Monthly / Remote)*



**Executive Committee** *(Monthly / Remote)*



**Board** *(Quarterly / Remote)*



**Spring and Fall Face-to-Face** *(4 Days each)*

- Work Groups – 3 days intensive collaboration
- Best Practices Sessions
- Plenary Session – 1 day with external speakers
- Board and Committee meetings



# IAEG ACKNOWLEDGEMENTS



## SAVE THE DATE | SPRING F2F MEETING

April 8-12 2024 Dallas

*Dallas Sheraton Hotel*

For more information,  
please see IAEG website:  
<https://www.iaeg.com/>

OR  
CONTACT

Steve Crumb –  
Executive Director  
[scrumb@iaeg.com](mailto:scrumb@iaeg.com)





“

*The world as we know it today is changing rapidly. The decarbonization and digitalization of our sector may induce deep changes to our production methods, in our habits and in our mobility in the future. Many member companies are investing to reduce the environmental impact of industry activities and of products throughout their life cycle. We therefore believe, more than ever, in a sustainable aviation and space industry that is both clean and carbon-neutral. Today we are counting on you, even more than before, to be pioneers of sustainable aviation for a safe and united world.*

*-- Bruno COSTES | Chairman*





