



# Introduction to IAEG®

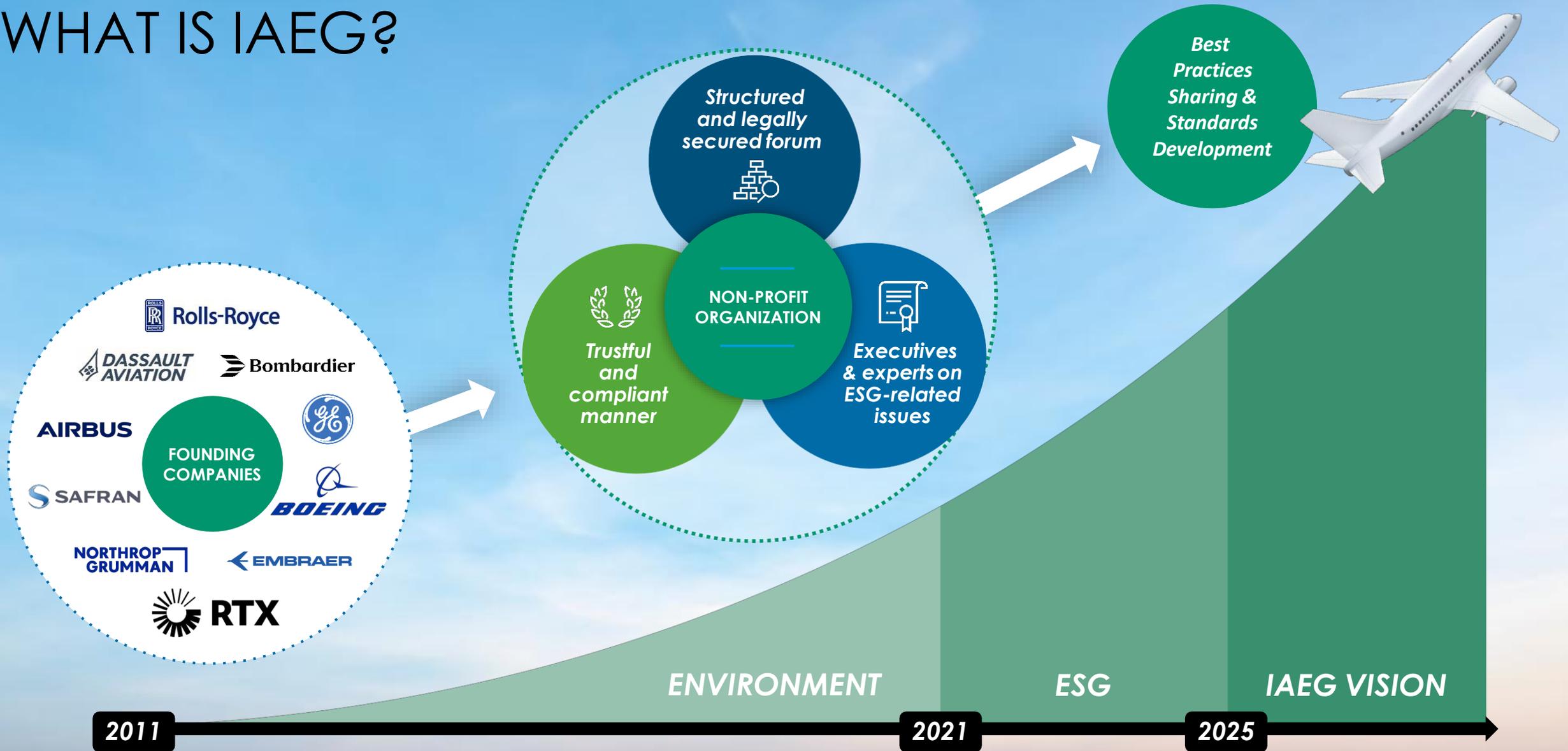
International Aerospace Environmental Group®

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Rev April 2025

# WHAT IS IAEG?



**DELIVER** education, awareness and guidance for the industry

**STRENGTHEN** small and medium enterprise (SME) engagement

**GENERATE** transparency through data insight for the benefit of all

**PRIORITIZE** rapidly evolving global regulations and standards

**ACT** collaboratively to develop risk assessment tools

**ADAPT** through shared mitigation strategies



**ANTICIPATE** new reporting, social and environmental expectations

**ADVANCE** the maturity of the value chain on sustainability

**FACILITATE** industry actions to drive circular economy

**PROMOTE** activities to reduce greenhouse gas emissions

**DEVELOP** tools to report progress in a standardized manner

**ENABLE** strategies to improve value chain climate resilience

**OUR VISION:** A Sustainable Aerospace and Defense Industry

**OUR VALUES:** **CHAMPION** STANDARDIZED PRACTICES | **PARTNER** WITH STAKEHOLDERS | **ELEVATE** THE IMPACT OF IAEG

**74** MEMBER  
COMPANIES

**73%** OF GLOBAL AEROSPACE & DEFENSE  
INDUSTRY ARE IAEG MEMBERS

**\$610B** COMBINED ANNUAL 2023 REVENUES  
FOR IAEG (FULL) MEMBERS

**\$829B** TOTAL GLOBAL AEROSPACE  
INDUSTRY 2023 REVENUES

### IAEG Full Members (43)

Airbus  
ATR  
BAE Systems  
Boeing  
Bombardier  
CAE  
Dassault Aviation  
De Havilland Aircraft of Canada Limited  
Diehl Aviation Holding  
DuPont  
Eaton  
Embraer  
GE Aerospace  
GKN Aerospace  
Gulfstream  
Henkel  
Hexcel Corporation  
Honda Aircraft Company, LLC  
Honeywell  
Howmet Aerospace  
Huntsman Advanced Materials  
Israel Aerospace Industry, Ltd.  
ITP Aero  
L3Harris Technologies, Inc.  
Leonardo  
LIEBHERR-Aerospace & Transportation  
Lockheed Martin  
MBDA  
Moog Inc.  
MTU Aero Engines  
Northrop Grumman  
Ontic  
Praxair Surface Technologies, a Linde Co.  
RTX

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

### IAEG Liaison Members (31)

Accenture  
AFRA  
Airbus Canada  
Airbus Defence and Space  
Airbus Helicopters  
ANSYS UK Limited  
Assent Inc.  
BSI Group  
Capgemini  
Daher  
Dassault Systems Enovia Corp  
Deloitte  
DXC Technology  
eCube  
Expleo  
GIFAS  
Haley & Aldrich  
Hangsterfer's Laboratories, Inc.  
Noblis  
PTC  
Ramboll Environment & Health  
Risk & Policy Analysts Ltd  
SAFECEM Europe GmbH  
Scalian  
Sopra Steria  
Souriau SAS  
TARMAC Aerosave  
Tetra Tech  
Toray Advanced Composites  
Yordas Group  
3M Deutschland GmbH

# IAEG GOVERNANCE & WORKING GROUPS

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

## Board of Directors

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

## Executive Committee

Legal  
Counsel

AMC & SAE  
Support



**Materials and Substances Declaration**

### WG1

Mussie PIETROS | Lucy REINBOLD  
 GE Aerospace | RTX



**Emerging Regulations**

### WG9

Lisa BROWN | Michel RENAULT  
 Lockheed Martin | Thales



**Replacement Technologies**

### WG2

Michelle McELVAINE | Olivia BYRNE  
 Boeing | Spirit Aerospace



**Aerospace Industry ESG Engagement**

### WG11

Mark WALKER | Ashley RUBINSKY  
 Airbus | Lockheed Martin



**Greenhouse Gas Reporting**

### WG3

Liling REN | Chris ESBESTER  
 RTX | BAE Systems



**Life Cycle Assessment**

### WG12

Phill GODFREY | Olivier GRELOU  
 Collins Aerospace | Airbus



**REACH Authorization**

### WG5

Joe MCCARTHY | Michelina MOLONGOSKI | Abhishek KULKARNI  
 Leonardo | RTX | Boeing



**100% Paraffinic SAF Compatibility Collaboration**

### WG13

Dean COX | Jey WILLIAMS  
 Boeing | Airbus

ISO  
14001

**ISO 14001 and EMS Maturity Framework**

### WG7

Cindy KLOEHN  
 Airbus



**Circular Economy**

### WG14

Sandra SASSONE | Christin DATZ  
 Airbus | Boeing

WG  
Support

More than 900 people share best practices, standards & innovative solutions

# BOARD OF DIRECTORS

# EXECUTIVE COMMITTEE



**Bruno COSTES**  
AIRBUS  
Chair



**David GRAEBER**  
BOEING  
Vice-Chair



**Christopher LINES**  
Leonardo  
Strategic Planning Committee Co-Chair



**Matt PAYNE**  
ROLLS ROYCE  
COO



**Kathleen OLDHAM**  
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**Heather DANIELS**  
LOCKHEED MARTIN  
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HOWMET  
Secretary



**Guillaume PELLGRINO**  
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**Deborah ALLEN**  
BAE SYSTEMS



**Ryan FAUCETT**  
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**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



**Costa TRIANTAFYLIDIS**  
L3 HARRIS TECHNOLOGIES



**Brodie DAVIS**  
NORTHROP GRUMMAN



**Josh FREDERICKSON**  
RTX



**Sally GESTAUTAS**  
RTX



**Emilie HERNY**  
SAFRAN



**Nathalie STUBLER**  
SAFRAN



**Caroline GIBON**  
THALES



# WHY JOIN IAEG...?

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



**GHG Emission Reporting Guidance (WG3)**

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



**Reporting Tool and Training Material (WG3)**

- 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 2023  
Version 1

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

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**GREENHOUSE GAS (GHG) MANAGEMENT & REPORTING**



Have a voice in promoting the development of voluntary consensus standards addressing environmental concerns



# WHY JOIN IAEG...?

## ... TO DRIVE MATERIALS STEWARDSHIP



### Materials & Hazardous Substances Reporting (WG1)

- Declarable Substances list (AD-DSL)
- Substance Reporting Tool (AD-SRT)
- Materials and Substances Declaration (IPC 1754 - ISO 82474)
- Training Material



### Replacement Technology (WG2)

- R&D collaboration to replace hazardous substances
- Bond Primers, Cadmium Plating, Chromate Conversion Coatings, Corrosion-Inhibiting Primers, Fuel Tank Coatings



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

31 May 2023  
Version 01





# WHY JOIN IAEG...?

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

**ISO 14001 and EMS Application (WG7)**

- ISO 14001: 2015 Implementation Guide
- Multi-Levelled 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.

## 2025 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> ) | \$27,951 |
| • < \$10B average annual revenue (for the last 3 years, based on exchange rates December 31 <sup>st</sup> ) | \$20,963 |

### IAEG® Liaison Member

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

- |  |         |
|--|---------|
| • Companies with >50 employees, >\$10M annual turnover and >\$10M balance sheet and trade associations with >250 members and >\$2M annual budget                         | \$6,988 |
| • Small companies with either <50 employees, <\$10M annual turnover or <\$10M balance sheet and small trade associations with either <250 members or <\$2M annual budget | \$3,494 |

# MEETINGS AND WAY OF WORKING



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



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



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



**Committees** *(Monthly or Quarterly / Remote and F2F)*



**Board** *(Quarterly / Remote and F2F)*



**Spring and Fall Face-to-Face** *(5 Days each)*

- Work Groups – 3 days intensive collaboration
- Board and Committee mtgs
- Best Practice Sessions
- External speakers



# IAEG ACKNOWLEDGEMENTS



## SAVE THE DATE | SPRING F2F MEETING

March 31 – April 4, 2025

*Montreal, Quebec, Canada*

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

OR  
CONTACT

Michele Lawrie-Munro –  
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[mlawriemunro@iaeg.com](mailto:mlawriemunro@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*



**IAEG<sup>®</sup>**

INTERNATIONAL AEROSPACE  
ENVIRONMENTAL GROUP<sup>®</sup>