



FIA ENVIRONMENTAL HANDBOOK

DECEMBER 2025

1ST EDITION

Foreword



As part of our ongoing commitment to sustainability in motor sport and mobility, we are proud to introduce the FIA Environmental Handbook. This dynamic resource is designed to empower our members and championship stakeholders, offering them a comprehensive, continuously updated platform that consolidates the FIA's tools, expertise, and evidence-based research to drive meaningful and sustained progress in sustainability.

A stylized black ink signature of Mohammed Ben Sulayem.

Mohammed Ben Sulayem

FIA President and UN Ambassador for Sustainable Tourism



The FIA Environmental Handbook represents a significant milestone in strengthening our collective capacity to advance sustainability. By providing clear guidance and practical resources, it will help our community integrate sustainable practices into daily operations, enhance long-term planning, and respond effectively to the evolving challenges facing motorsport and mobility.

A stylized black ink signature of Willem Groenewald.

Willem Groenewald

Secretary General for Mobility and Sustainability

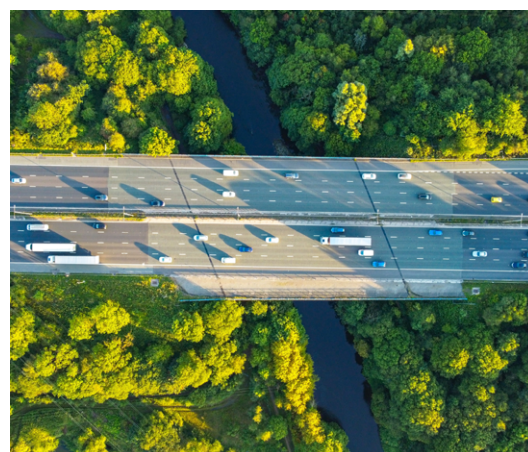
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Introduction

The Fédération Internationale de l'Automobile (FIA) is the governing body for world motor sport and the federation for mobility organisations globally. It is a non-profit organisation committed to driving innovation and championing safety, sustainability and equality across motor sport and mobility.

Founded in 1904, with offices in Paris, London and Geneva, the FIA brings together 245 member organisations across five continents, representing millions of road users, motor sport professionals and volunteers. It develops and enforces regulations for motor sport, including seven FIA World Championships, to ensure worldwide competitions are safe and fair for all.



SUSTAINABILITY PILLARS

As a research-led federation the FIA's sustainability strategy is structured around five core pillars, each guiding the development of tools, actions, and support mechanisms offered to its global network.

RESEARCH & INSIGHTS

Advancing evidence-based understanding through research and data analysis to guide sustainability activities.

MEMBER EMPOWERMENT

Developing practical tools and sustainability instruments that support Members in implementing effective, measurable actions.

PARTNERSHIP & STAKEHOLDER ENGAGEMENT

Strengthening collaboration with private-sector partners and key stakeholders—positioning the FIA and Members at the centre of global sustainability dialogue.

SCIENCE, MEASUREMENT & PERFORMANCE

Driving the scientific and technical dimension of sustainability through tools that measure environmental impact and track organisational progress.

SUSTAINED NARRATIVE & COMMUNICATION

Building evidence-based narratives that raise awareness, communicate impact, and reinforce the FIA's leadership in sustainability.

Building a Resilient Future for Motor Sport and Mobility

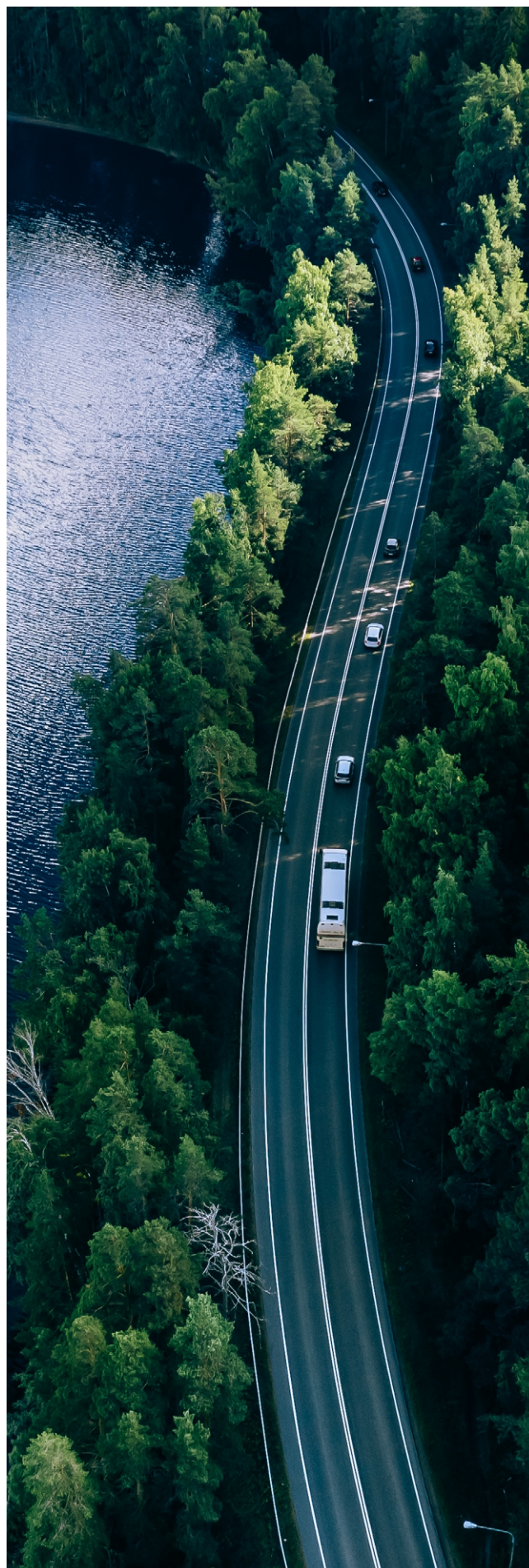
The changing climate is reshaping the world around us, influencing weather patterns, natural resources, and the conditions in which people live and travel. These shifts are gradually creating new challenges that affect many sectors, including motor sport and mobility. The FIA recognises the importance of anticipating these developments and supporting members in strengthening the resilience and safety of our activities.

Recent seasons have shown how environmental conditions can affect the running of events. The 2023 Formula 1 Emilia Romagna Grand Prix was cancelled following severe regional flooding. While this cannot be attributed solely to climate change, weather events like this illustrate the types of pressures that may become more frequent in the years ahead.

At the same time, the global transition towards lower emissions presents both a responsibility and an opportunity for motor sport and mobility organisations. Aligning with science-based targets and broader net-zero ambitions will help ensure that the sector continues to innovate and lead by example.

As climate-related factors increasingly influence when, where, and how events can take place, sustainability becomes an integral part of securing the long-term future of our sport and mobility ecosystem.

This handbook has been developed to support members and championship stakeholders in navigating this evolving landscape. It aims to provide practical guidance and resources to help organisations begin, advance, or accelerate their sustainability strategies in a way that is tailored, achievable, and forward-looking.



Purpose of This Handbook

The FIA Environmental Handbook brings together, in one document, all the sustainability tools, programmes, research outputs, and training resources that are currently available for FIA members and championship stakeholders to use.

While the FIA undertakes a broad range of sustainability initiatives beyond the scope of this document, this handbook focuses specifically on the tools and resources designed to support members and championship stakeholders in implementing their own sustainability actions.

The handbook will be regularly updated to reflect the latest research, new tools and programmes as they become available, ensuring it remains a practical and up-to-date resource for the FIA community.

How to Use This Handbook

This handbook is divided into five sections— Programmes, Tools, Training, Research, and In Development. Each section contains individual topics that explain what they are, who they are for, how they work, and how to access them.

Whether you are just beginning your sustainability journey or seeking to enhance existing practices, this handbook offers an overview of the tools available to support and strengthen your contribution to a more sustainable motor sport and mobility ecosystem.

FIA Members Sustainability Survey

In November 2025, the FIA conducted a global sustainability survey among its member clubs, achieving strong engagement from the ecosystem. The survey explored members' priorities, their experience with the FIA Environmental Accreditation Programme, and their needs and expectations for the future.

The survey confirmed that sustainability is now firmly established as a strategic priority for most FIA members. Across all member types, clubs overwhelmingly believe that motor sport and mobility organisations should play a leading role in advancing climate action and sustainable development.

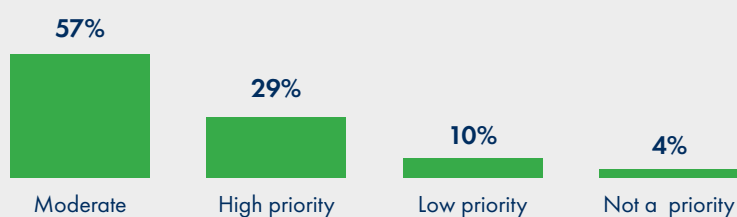
Results also highlighted the strong impact of the Environmental Accreditation Programme. Clubs that have already achieved accreditation reported doing so to align with the FIA's strategy and to demonstrate environmental leadership. Notably, 90% of respondents stated that accreditation had strengthened their organisation's sustainability goals, added value to their business, and enhanced their leadership role at national level.

Progress among non-accredited members was also encouraging: 86% considered sustainability a high or moderate priority, and 59% were already implementing relevant initiatives. This reflects a solid foundation of support for sustainability and a clear readiness for further progress across the network.

However, despite this commitment, the survey identified several barriers that continue to slow progress towards accreditation and broader sustainability integration. Respondents cited limited financial or staff resource, competing priorities, challenges in tracking carbon emissions, a lack of technical knowledge and practical tools and training, as key obstacles.

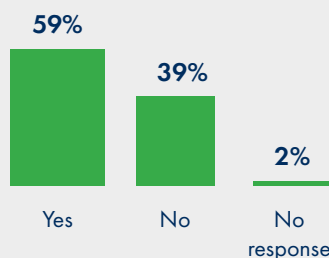
This handbook has been developed in direct response to these needs, consolidating all available FIA sustainability resources in one place and helping to address the barriers identified through the survey.

SUSTAINABILITY STRATEGIC PRIORITY LEVEL



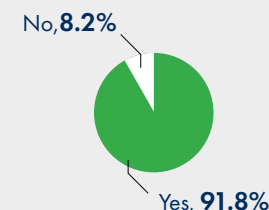
Survey result from non-accredited members

ENGAGEMENT IN SUSTAINABILITY INITIATIVES



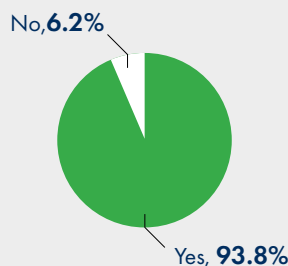
Survey result from non-accredited members

MOBILITY AND SPORTS ORGANISATIONS TO LEAD CLIMATE AND SUSTAINABILITY INITIATIVES



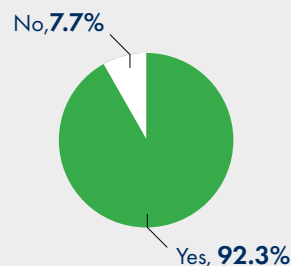
Survey result from non-accredited members

FIA ACCREDITATION PROGRAMME HELPS ENHANCE YOUR SUSTAINABILITY GOALS



Survey result from accredited members

FIA ENVIRONMENTAL ACCREDITATION BRINGS VALUE TO YOUR CLUB



1. Programmes

1.1 FIA ENVIRONMENTAL ACCREDITATION PROGRAMME

The FIA Environmental Accreditation Programme supports motor sport and mobility stakeholders worldwide in measuring and improving their environmental performance. It introduces a clear and consistent Environmental Management System (EMS) and a three-level framework against which stakeholders can measure their progress and accredit their activities.

The Environmental Accreditation Programme is based on – and aligned with – international environmental standards, including ISO 14001, 20121 and EMAS, and has been adapted for motor sport and mobility stakeholders. The three-level scheme is designed to accommodate all FIA stakeholders and to encourage a gradual progression through the levels.

BENEFITS

Achieving the accreditation not only grants you an internationally recognised certification, but also delivers tangible benefits that support sustainability, credibility and long-term success, such as:

- Reduced impact
- Improved image and reputation
- Regulatory compliance
- Cost savings
- Environmental risk management
- Sponsor and customer trust



It is organised around three levels:

STAR RATING ★

BASIC PRACTICE

Demonstrates basic environmental performance and a commitment to improve.

STAR RATING ★ ★

GOOD PRACTICE

Demonstrates good environmental performance and is close to following internationally developed roadmaps towards environmental management.

STAR RATING ★ ★ ★

BEST PRACTICE

Demonstrates best practice and commitment to seek continual improvement through the implementation of an environmental management system.

SUPPORTING RESOURCES PROVIDED BY THE FIA

To help applicants prepare for the accreditation process, the FIA offers a comprehensive suite of tools and resources:

> ENVIRONMENTAL ACCREDITATION GUIDELINES:

Full description of the FIA Environmental Accreditation Framework and instructions for completing the documentation associated with a submission.

[Download the Guidelines](#)

> DOCUMENT FOR PREPARATION:

Provides an overview of the minimum list of supporting documents to be provided when you submit your application through the Formal Application Form.

[Download the Document](#)

> SELF-ASSESSMENT TOOL:

Helps organisations assess their readiness for their target accreditation level using a checklist of requirements.

[Download the Tool](#)

> TOOLKITS:

A toolkit containing templates for the required supporting documentation is available for each level of accreditation.

- One-Star Toolkit
- Two-Star Toolkit
- Three-Star Toolkit

Access available upon request from the FIA Sustainability Team: sustainability@fia.com

> 5 STEPS TO ACHIEVE ONE-STAR ACCREDITATION:

A practical overview of the pathway to One-Star accreditation.

[Download the Overview](#)

> ONE-STAR TUTORIAL:

An in-depth tutorial providing detailed guidance on meeting One-Star requirements.

[Download the Tutorial](#)

GET STARTED

To get started, familiarise yourself with the accreditation and its requirements in the Guidelines. Then, send your completed Initial Evaluation Form to sustainability@fia.com.

[Download the Form](#)

PERSONALISED SUPPORT

Beyond documents and tools, the FIA Sustainability Team provides personalised support throughout the process. Please do not hesitate to contact us for support at sustainability@fia.com.

ACCESS

To access the materials and get started visit:

[Environmental accreditation programme](#) | [Federation Internationale de l'Automobile](#)

ENVIRONMENTAL ACCREDITATION LOGOS

Every organisation that achieves certification under the FIA Environmental Accreditation Programme receives an official logo recognising their accomplishment. We strongly encourage all accredited organisations, especially FIA member clubs, to showcase the logo across their branding, communications and digital channels.

Whether used on websites, marketing materials, signage or event branding, the logo will reinforce transparency and credibility, as well as demonstrate your organisation's commitment to sustainability.

For guidance on proper usage, placement, colours, and visual standards, please refer to the official logo guidelines

<https://www.fia.com/file/401796/download>



1.2 MOTORSPORT FUNDING PROGRAMME

The FIA's mission is to develop motor sport and promote safe, sustainable, and accessible mobility for all. Central to this mission is the direct support provided to FIA members, particularly those with the greatest need.

The FIA operates two complementary funding mechanisms: the FIA Sport Grant Programme and the FIA Mobility Grant Programme. Both allocate technical and financial support to the most impactful projects submitted by members.



PURPOSE OF THE MOTORSPORT FUNDING PROGRAMME

The Programme helps members develop motor sport in a safe, sustainable, and accessible way. It supports projects aligned with FIA priorities, including:

**MOTOR SPORT
DEVELOPMENT**

**ENVIRONMENTAL
SUSTAINABILITY**

**SOCIAL
RESPONSIBILITY
INITIATIVES**

**ADVOCACY AND
AWARENESS
CAMPAIGNS**

AVAILABLE PROJECT CATEGORIES

Clubs may apply under one of three categories:

1 / Motor Sport Growth

2 / Safety

3 / Equality

Clubs develop their own project proposals based on their chosen category.

The FIA encourages commitment to sustainability and responsible practices. As far as possible, clubs should integrate environmental and social impact when proposing a project and make necessary efforts to manage the impacts.

RECOMMENDED SUSTAINABILITY PROJECTS:

The FIA encourages the following member organisations to prioritise the project types outlined below. These project categories serve as suggested areas of focus rather than mandatory categories. Any FIA member, irrespective of type, may submit a project proposal for any category, provided that the project aligns with their operational capabilities and scope.

| | ASNs | ACNs | Mobility Clubs |
|--|------|------|----------------|
| Educational programmes for members and regional event organisers (e.g., environmental seminars, workshops on measuring and reducing carbon footprint, training for environmental officers to support sustainable event delivery). | ■ | ■ | ■ |
| Biodiversity initiatives , including monitoring of sport-related impacts and actions to restore or enhance local biodiversity. | ■ | ■ | ■ |
| Measures to reduce pollution resulting from racing events (air, noise, waste, water), including hazardous waste prevention and noise abatement solutions for circuits. | ■ | ■ | |
| Projects supporting renewable energy supply , energy-efficiency upgrades, and actions that reduce energy-related costs and reliance on fossil fuels. | ■ | ■ | ■ |
| Development of an environmental management system to obtain FIA Environmental Accreditation (2* or 3*) or equivalent ISO certification. | ■ | ■ | ■ |
| Development of net-zero events , including footprint measurement, reduction strategies, and credible compensation measures within the value chain. | ■ | ■ | |
| Awareness-raising sustainability campaigns with international reach. | ■ | ■ | ■ |

APPLICATION PROCESS

Applications must be submitted through the FIA Grants Portal, where the full application form is available in English, French and Spanish. All proposals should demonstrate how environmental and social impacts are considered and managed.

ACCESS

Clubs are encouraged to apply directly through the [FIA grants portal](#).

1.3 ENVIRONMENTAL OBSERVERS

The FIA Environmental Observer Programme ensures that FIA-sanctioned events apply environmental requirements consistently, follow best practices, and align with a unified FIA approach. Introduced into the International Sporting Code, the role focuses on monitoring and reporting on environmental performance across motor sport events.

WHO IS IT FOR?

Environmental observers are nominated by ASNs and trained by the FIA to attend and support FIA-sanctioned events on a voluntary basis.

OVERVIEW

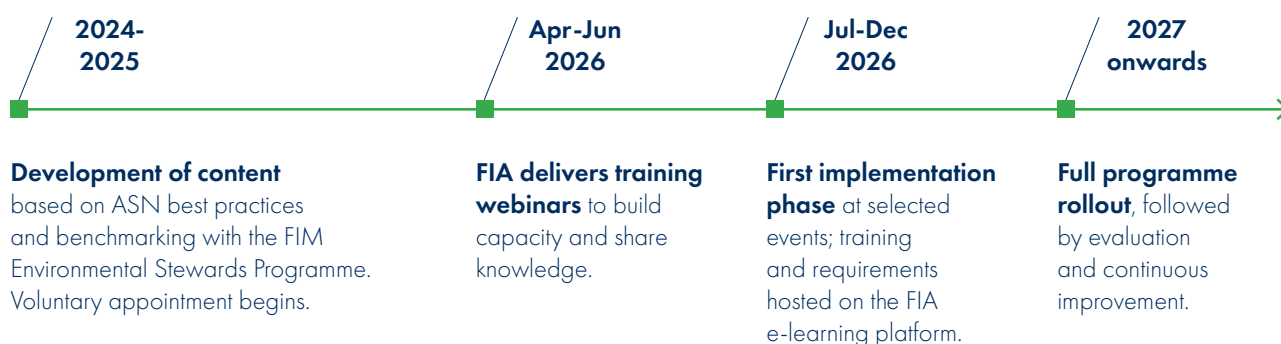
An ASN-nominated environmental observer is trained by the FIA through a series of webinars and workshops. They receive an environmental checklist outlining clear requirements for competitions, along with training designed to equip them with the skills needed to conduct effective evaluations. They will be deployed at the FIA World Championships and International Competitions on a voluntary basis in 2026, with the aim of enhancing each event's environmental practices.

OBJECTIVES

Environmental observers attend events to:

- Support stewards with environmental expertise
- Monitor compliance with FIA environmental criteria
- Encourage best practices and prevent poor practices
- Provide structured reports and raise issues to the FIA for corrective action
- Empower ASNs to have more control over what is happening in their countries

IMPLEMENTATION TIMELINE:



2. Tools

2.1 FIA CARBON CALCULATION TOOL

The FIA Carbon Calculation Tool, originally launched in 2020 and relaunched from 2026, enables stakeholders to accurately measure their carbon emissions, identify key reduction opportunities, and progress towards a net-zero emissions goal. This online carbon calculation tool is specifically tailored to the motor sport and mobility sectors, enabling FIA stakeholders to assess their carbon footprint accurately.

Following the initial assessment, the FIA provides guidance to help users develop an effective emissions reduction plan and translate findings into concrete actions. The FIA also offers educational resources and workshops to strengthen stakeholders' skills in carbon measurement, emissions reduction, and responsible offsetting.

WHO IS IT FOR?

The tool is available to FIA members and championship stakeholders and is provided free of charge exclusively to FIA member clubs (both Sport and Mobility).

OBJECTIVES

The FIA launched its carbon calculation tool to:

- Provide a sector-specific solution that supports the FIA and its stakeholders in their pathway towards net-zero.
- Improve understanding of stakeholders' activities and identify where additional guidance or support is most needed.
- Equip stakeholders with the knowledge, skills, and tools required for effective emissions measurement and management.

FIA NET-ZERO COMMITMENT

As part of its wider sustainability strategy, the FIA is committed to leading by example and empowering its global community to take meaningful climate action. Since 2019, the FIA has calculated its carbon footprint in line with the GHG Protocol, covering all three scopes across its headquarters, events, championships and financed supplier activities. The FIA is committed to achieving net zero by 2040, with a 50% absolute emissions reduction by 2030 and a 90% reduction by 2040.

The FIA is focused not only on decarbonising its own operations, but also on supporting its member clubs and championship stakeholders to do the same. Therefore, a sector-specific carbon calculation tool is provided to help all FIA stakeholders measure their emissions and take effective steps towards reduction.

ACCESS

The tool will be available for use from Q2 2026.

3. Training & Knowledge-Sharing

3.1 E-LEARNING PLATFORM

The FIA E-Learning Platform has been developed in partnership with FIA University to provide an accessible, online training programme for all FIA Members. The platform offers a self-guided and interactive introduction to sustainability within motor sport and mobility, supporting the FIA's commitment to advancing global environmental goals.



WHAT THE MODULE COVERS:

The FIA Environment E-Learning Module provides a comprehensive overview of sustainability fundamentals, environmental policy development, impact management and more.

The module is available in English, French, and Spanish.

LEARNING OUTCOMES:

By the end of the module, learners will be able to:

- / **Understand the FIA's approach to sustainability**
- / **Prepare a communication plan to support sustainability goals**
- / **Navigate and complete the FIA Environmental Accreditation**
- / **Plan and deliver a sustainable event**
- / **Develop an effective environmental policy**

To complete the training, participants must pass a short quiz with a minimum required score. Upon successful completion, learners will receive an official certificate.

ACCESS

The module is available online through the E-Learning platform and can be accessed under the following link: <https://elearning.fia.com/learn>

3.2 MEMBER WEBINARS

To support FIA Members in building their sustainability capabilities, the FIA delivers a dedicated series of capacity-building webinars. These sessions form an integral part of the FIA’s efforts to strengthen environmental knowledge, promote best practice, and guide members through their sustainability journey.

CONTENT:

These workshops focus on practical implementation strategies, compliance requirements, and continuous improvement methodologies. They equip stakeholders with practical skills and actionable strategies, empowering them to implement meaningful changes and foster a culture of environmental responsibility.

In addition to live sessions, the FIA also develops tailored online resources designed to support members in achieving the FIA Environmental Accreditation.

WHO CAN TAKE PART?

Multiple webinars are hosted each year and are accessible to all FIA members.

In 2024, five regional webinars were hosted, reaching 115 participants from 59 countries across Europe, Asia-Pacific, MENA, the Americas, and Africa.

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FIA members will be informed directly of upcoming webinars.



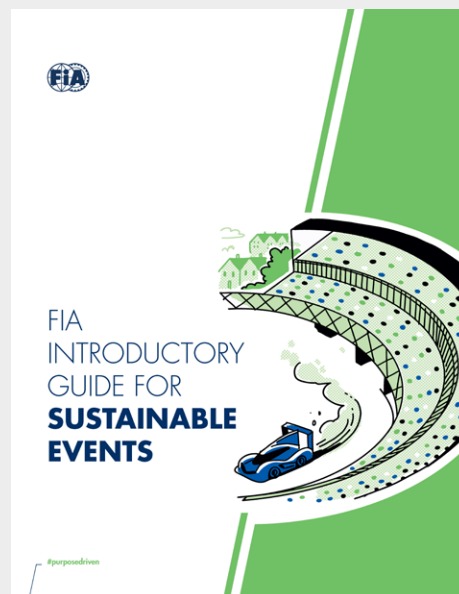
3.3 FIA INTRODUCTORY GUIDE FOR SUSTAINABLE EVENTS

First developed in 2021, this practical guide aims to provide technical support for improving the sustainability performance of motor sport events. Aligned with the FIA Environmental Accreditation Programme, it helps event organisers integrate simple and effective actions into their operations, demonstrating environmental leadership and promoting best practices.

WHO IS IT FOR?

Designed for event organisers, the guide offers a structured approach to:

- Sustainable event planning
- Explain key sustainability concepts and environmental management
- Advise on effective communication of sustainability efforts
- Highlight impact areas with targeted actions
- Show that organising a sustainable event does not necessarily increase costs
- Support and promote a positive image of motor sport and its commitment to making a difference



ACCESS

Download PDF here: <https://www.fia.com/file/400813/download>

3.4 AIR QUALITY GUIDELINES FOR MOTOR SPORT EVENTS

These guidelines provide a dedicated framework for managing air quality impacts across motor sport events, covering both international and national competitions, with particular attention to circuit and off-road disciplines. Motor sport events generate short-term but potentially intense peaks in pollutants such as particulate matter (PM₁₀, PM_{2.5}), nitrogen oxides (NO₂), and ground-level ozone (O₃), which can affect spectators, staff, competitors, and local communities, especially when events take place near urban areas with existing air-quality pressures.

The overarching aim of the guidelines is to build a clearer understanding of how events influence air quality and human exposure. They set out how these impacts can be measured and how the resulting evidence can be used to reduce risks, drive continuous improvement, and ensure transparent, comparable reporting to regulators, host cities, and communities, in line with international public-health guidance.

WHY AIR QUALITY MONITORING MATTERS

- Protects spectator, staff and community health by identifying exposure risks
- Builds trust with host cities and regulators through transparent evidence
- Supports the FIA's mission to ensure that motor sport remains safe, sustainable and accessible for all

WHO IS IT FOR?

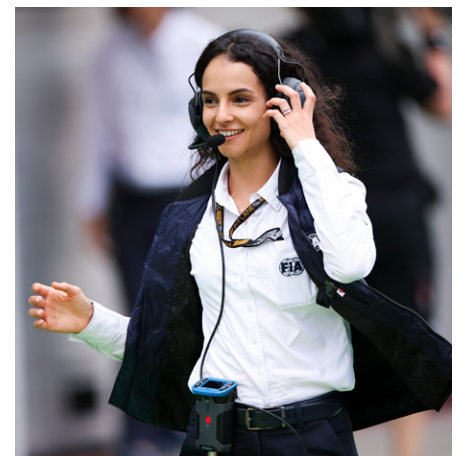
The guidelines will offer event organisers a structured approach to identifying, monitoring, and mitigating air quality impacts associated with FIA-sanctioned events.

With a focus on the following key areas:

- / **Identification of pollutant hotspots and high exposure locations**
- / **Recommended measurement methods and monitoring tools**
- / **Data management, reporting, and communication practices**

ACCESS

More information will be shared in Q1 2026



3.5 ENVIRONMENTAL QUICK GUIDES

These short environmental guides provide a clear and practical introduction to the key environmental impact areas in motor sport. Designed as basic 2–3 page learning resources, they help build knowledge to support more responsible and sustainable event planning.

| | | |
|---|---|------------------------|
| 1 / SPORTS FOR NATURE FRAMEWORK AND APPLICATIONS TO MOTOR SPORT | Outlines the FIA's commitment to the IUCN Sports for Nature Framework and explains how motor sport can apply its four principles of protecting, restoring, managing risks to, and promoting nature. | Access |
| 2 / BASIC ENVIRONMENTAL IMPACT ASSESSMENT TEMPLATE FOR MOTOR SPORT | Provides a simple template that can be used before, during, or after an event to identify and assess environmental impacts and support continuous improvement. | Access |
| 3 / DEVELOPING SUSTAINABLE PARTNERSHIPS IN MOTOR SPORT | Provides guidance for identifying relevant sustainability-focused partnership opportunities within motor sport. | Access |
| 4 / CIRCULARITY IN MOTOR SPORT | Explains the concept of circularity and how motor sport can reduce waste and keep resources in use through smarter design, procurement, reuse, and recovery. | Access |
| 5 / WASTE MANAGEMENT IN MOTOR SPORT | Describes the main types of waste generated at motor sport events and outlines best practices for reducing, managing, recycling, and safely disposing of hazardous, electronic, and food waste. | Access |
| 6 / SUSTAINABLE PROCUREMENT IN MOTOR SPORT | Explains how sustainable procurement can reduce environmental impact by prioritising resource efficiency, ethical practices, and circularity in purchasing decisions. | Access |
| 7 / THE BASICS OF NOISE PLANNING IN MOTOR SPORT | Provides an overview of best practice in noise planning to ensure that events remain safe, compliant, and socially responsible. | Access |
| 8 / GUIDELINES FOR HEAT RISK MANAGEMENT | Outlines key measures to prevent heat stress and ensure safe operations for participants, staff, and spectators in moderate and high temperatures. | Access |
| 9 / COMMUNICATING ON SUSTAINABILITY IN MOTOR SPORT | Explains how to effectively communicate sustainability efforts to build transparency, credibility, and leadership with fans, partners, and stakeholders. | Access |

3.6 FIA SUSTAINABLE INNOVATION SERIES

The FIA Sustainable Innovation Series is a global programme of thought leadership events that showcase innovative solutions and encourage dialogue about how sport can drive sustainable transformation through motor sport and mobility.

Hosted in partnership with FIA World Championship Promoters and Member Clubs, the series brings together stakeholders from the worlds of sport and mobility, as well as representatives from governments, businesses, start-ups, institutions and technical expertise, to share knowledge and explore pathways to a lower-carbon future.



OBJECTIVES

- Use the FIA leadership and knowledge to deploy a holistic sustainability narrative within motor sport
- Foster the FIA voice within global sustainability conversations
- Allow FIA members to use the thought leadership brand at strategic regional events
- Build credible partnerships that will reinforce the FIA sustainability narrative and increase media coverage

WHERE IT TAKES PLACE

Multiple sessions are delivered throughout the year at FIA World Championship events, alongside major international conferences, and integrated at core FIA membership gatherings.

WHO IS IT FOR?

Each edition of the series features a dedicated thematic focus and corresponding target audience. Participation is open to all, with sessions made available in multiple formats:

- Live onsite
- Livestreamed
- On-demand after the event

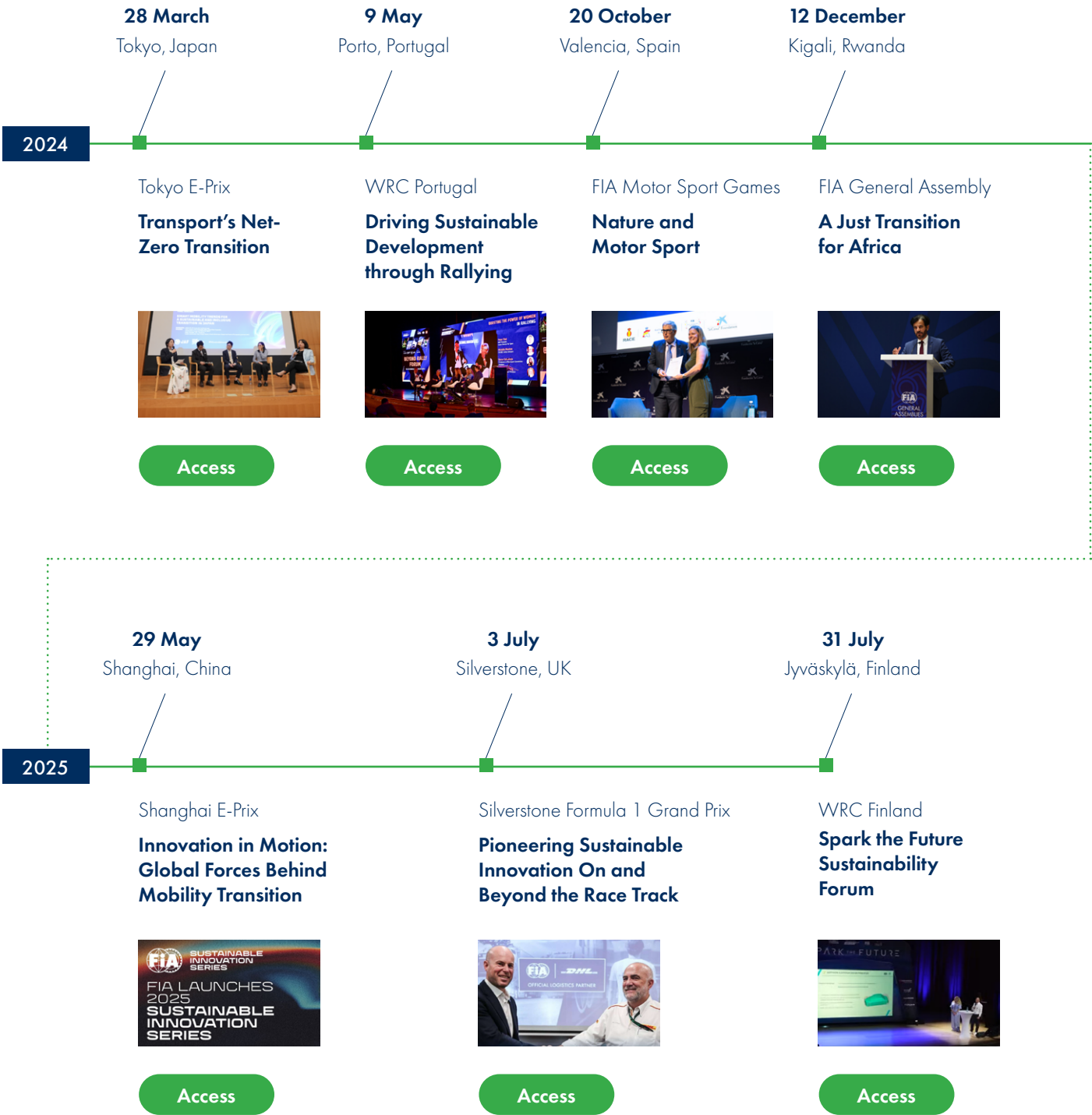
ACCESS

Stay tuned on FIA platforms for the next events and links for registration.



PAST EVENTS:

Seven events in the Sustainable Innovation Series have already taken place, with over 1,000 participants attending in person and online.



4. Research

As a research-led federation, the FIA collaborates on and supports a range of research projects aimed at advancing motor sports and mobility, including those focused on sustainability. The list below provides an insight into some of the recently completed research projects involving the FIA or its stakeholders.

4.1 GLOBAL CONTRIBUTION OF MOTOR SPORT TO ECONOMY AND COMMUNITY DEVELOPMENT

Summary: This study highlights the importance of the global motor sport industry, by estimating the economic contribution, value add and employment of the industry of FIA's 145 member countries in 2019. It also estimates other key measures, such as the number of participants, clubs and venues. The study is the first of its kind globally.

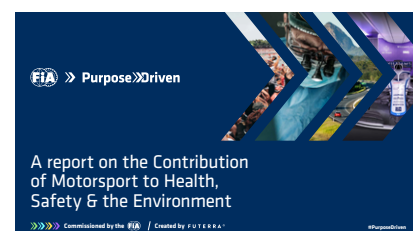
[Access the Study](#)



4.2 CONTRIBUTION OF MOTORSPORT TO HEALTH, SAFETY & THE ENVIRONMENT

Twenty-six case studies across industries and racing series showcasing motor sport's positive impact on society and the environment.

[Access the Case Studies](#)



5. In Development

This section highlights ongoing research initiatives led or supported by the FIA, in collaboration with leaders in environmental research, with results expected in the near future. Several projects focus on reducing climate-related risks in motor sport, such as heat, storms, and flooding, while also aiming to improve biodiversity and identify the most effective solutions for emissions reduction. The FIA is committed to being more data-driven in its approach, working with experts to ensure the best strategies are implemented for a sustainable future.

The FIA, in collaboration with FIA University, is actively engaged in this area of research and is keen to learn about other relevant initiatives. Members are encouraged to share any pertinent research with the FIA or reach out to the sustainability team if they are interested in exploring potential collaborations.

5.1 PARTICULATE EMISSION RESEARCH

The FIA is partnering with Imperial College's Environmental Research Group and the Technological University of Berlin's Urban Filter Project to study and assess particle levels in air and water runoff during motor sport events. Based on the results, they aim to identify potential mitigating solutions if levels exceed established thresholds or maximum standards.

5.2 BIODIVERSITY ASSESSMENT TOOL

The biodiversity assessment tool is a collaboration between the FIA and the European Space Agency, implemented by the French SME Murmuration. It combines satellite and on-site data to generate key performance indicators for biodiversity, vegetation, pollution and noise, supporting informed decision-making for motor sport events.

The project uses Copernicus satellite imagery and reference data to map land cover, establish biodiversity baselines, and identify high-value biodiversity areas prior to events. During events, high-resolution imagery helps assess impacts in fan zones, spectator areas and car parks, while follow-up monitoring tracks vegetation recovery. Air quality and noise impacts are also evaluated, with air pollution patterns analysed via satellite, and noise propagation across sensitive habitats modelled using ground measurements and topographical data.

5.3 MEMBERS CASE STUDIES

The FIA is dedicated to showcasing the many achievements of its members by highlighting case studies on their environmental projects. Beyond presenting individual initiatives, the programme promotes knowledge sharing on how climate and environmental challenges are being addressed in different regions. It also illustrates how organisations of varying sizes, contexts, and geographic backgrounds are driving positive environmental change within motorsport and mobility.

Appendix

Additional Resources

SUSTAINABILITY FRAMEWORKS:

- [IOC Sustainability Strategy](#)
- [IOC Sustainability Essentials](#)
- [IOC Sustainability Report 2020 Objectives](#)
- [IOC Sustainability Management in Sport](#)
- [IOC Sport for Climate Action](#)
- [UNFCCC Sport for Climate Action Framework](#)
- [The United Nations Environment Programme and the 2030 Agenda](#)
- [IUCN Mitigating Biodiversity Impacts of Sports Events](#)
- [UN Sustainable Development Goals](#)
- [UN 2030 Agenda for Sustainable Development](#)
- [Sports for Nature](#)
- [Accelerating a Just Transition](#)

CORE PRINCIPLES OF SUSTAINABLE EVENT MANAGEMENT:

- [FIM Guide for Preparing an Environmental Management Plan](#)
- [Guide to Developing an Environmental Management System - Plan](#)
- [ISO 20121:2024 Event Sustainability Management Systems](#)
- [ISO 14001: 2015 Environmental Management Systems](#)

KEY SUSTAINABILITY IMPACT AREAS:

- [Energy Efficient Outdoor Events - Temporary Power](#)
- [Moving Towards A Climate Neutral Un](#)
- [Sustainable Mobility In Sports](#)
- [Guidelines For Developing A Mobility Plan](#)
- [Plastic-Game-Plan-For-Sport-Guide](#)
- [FISA Environmental Sustainability Policy & Guidelines](#)
- [IOC Sustainable Sourcing In Sport](#)





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