



RACING TOWARDS A SUSTAINABLE FUTURE:

A REVIEW OF THE GLOBAL SUSTAINABILITY PERFORMANCE OF MOTORSPORT CHAMPIONSHIPS

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FOREWORD

As a UN Climate Ambassador and ABB FIA Formula E driver, I am excited about the innovative solutions motorsport brings to the many environmental and social challenges facing the world today. With an immense global following, motorsport provides a powerful platform to educate, inspire action and ignite change. Through the many technological advancements that have transcended from the track onto our city streets over the years, e-mobility being one of those advancements, I am confident motorsport can play a valuable role in adopting and accelerating sustainable practices, benefitting both the industry and society. Guided by the UN SDGs and the ESG Framework, the SChI™ provides the very stewardship our industry needs to inform, to learn, and to continuously improve our ways in pursuit of a more sustainable future, for motorsport and beyond.

LUCAS DI GRASSI

ABB FIA Formula E driver and UN Climate Ambassador

As the author highlights in this document, the science is very clear: we need rapid and deep emissions reductions in this decade to keep the 1.5 degree target alive and to ensure a resilient, productive and healthy environment for present and future generations. In a time of uncertainty, a rapidly changing world, and escalating climate impacts, collective global action is more important than ever. This decade offers an unprecedented opportunity to work together to create a positive, systemic change. Commitments will need to quickly be turned into concrete, measurable, and transparent action. The Sustainable Championships Index™, which assesses and measures the sustainability performance of motorsport championships, is an example of how the ecosystem around sports events is ramping up efforts to demand more transparency and stronger action, but also shows us the importance of industry-wide collaboration to accelerate action on climate and sustainability in general.

When the UNFCCC Sports for Climate Action Framework was first introduced in 2018, the aim was to create an inspiring movement and to position sport in a winning role on climate. It was also designed to leverage the power of sport to inspire action for millions of passionate fans and communities supporting their favourite teams; inspire action amongst teams and players; and action on the part of governing bodies who play a significant role in shaping policies and paving the future for a sustainable sport. We are encouraged by initiatives, such as the Sustainable Championships Index™, by the signs of progress we are seeing within motorsport too, and congratulate efforts being made by stakeholders who are working hard to innovate and transition to a more sustainable future.

We have said it before – we strongly believe that sports can set the pace for climate action by taking rapid action on and off the pitch. While lots remains to be done, motorsport can do it too, on and off track, and examples exist today: teams are increasingly committing to net-zero, switching to electric cars, investing in innovative solutions and inspiring future e-mobility – thereby demonstrating that the transition is underway – and it is possible to not only address one's own environmental footprint but also drive positive change in the world.

LINDITA XHAFERI-SALIHU

UNFCCC Sports for Climate Action Framework

The attention on sustainable business and sustainable development is growing, with these topics increasingly making their way into industries around the globe. One such industry, which has not traditionally been linked to sustainability, is motorsport. Considered at times to be part of the problem, by leveraging the sport's adeptness for technological innovations and advancements, motorsport has the potential to be a part of the solution. Key to meaningful transformation across any industry, however, is measurement. The Sustainable Championships Index™ provides a comprehensive data-driven approach to assessing and measuring sustainability performance and disclosure of practices, a step that is necessary to drive meaningful change.

While more work needs to be done, I am encouraged by the progress the motorsport industry has made in recent years, especially the role it plays in promoting the benefits of electric mobility, which transcend beyond the sport. Renowned for a history built on innovation and performance excellence, motorsport no doubt has the potential to influence and shape the sustainable innovations of the future. Through a research-based approach, the Sustainable Motorsport Index™ is poised to inform key stakeholders about best practices, while also measuring and reporting on the industry's progress along the way. Ultimately, this study has the potential to influence change and accelerate sustainable transformation across the sector.

PROFESSOR PAOLO TATICCHI OMRI

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EXECUTIVE SUMMARY

Today more than ever, pressure is mounting on all levels of governments, organisations, and sectors to act in the fight against climate change. Reports of extreme weather events threatening nations, cities, and villages are becoming more frequent, with the most vulnerable of populations often feeling the greatest impact. Amidst the rising threats and calls for action globally, the starkest alert comes from the International Panel for Climate Change's (IPCC) latest report, published in August 2021, which came with a 'code red for humanity' warning.¹

Across the sports sector, several organisations have come forward in recent years with frameworks, strategies, and commitments, including within motorsports. In addition to the environmental and social benefits linked to a holistic sustainability strategy, there is also a strong financial benefit. Increasingly, more corporate sponsors and businesses are looking to align with environmental, social and governance (ESG) focused partners, propelling many stakeholders across the sports industry to take note.

When it comes to sustainability within motorsport, very limited and univocal literature exists in relation to the impact the sport has on environmental and social areas. With the emergence of new championships that have been built on a sustainability platform, such as the all-electric series for instance, motorsport has played a key role in promoting the environmental benefits of the electric vehicle (EV) sector, both on and off the track. The sport has also provided a global platform to drive awareness for climate change issues. More recently, traditional motorsport has also started to play a role in highlighting social and equity issues, using its platform to drive awareness around these issues, locally and globally.

When looking at the overall efforts non-EV motorsport championships have on social, economic and environmental issues however, there is little coverage about these topics. This may explain why many people today still perceive traditional motor racing and sustainability as a dichotomy. With this study, Enovation Consulting Ltd delves deeper into this area, with the aim to shed light on the current sustainability practices of international motorsport championships.

To do so, this study introduces the Sustainable Championships Index™ (SChI™), which reviews the disclosures made by international motorsport championships in relation to their sustainability commitments and best practice. A total of 106 existing international motorsport championships were selected for this first of its kind study. In line with the previously reviewed Sustainable Circuits Index™, released in June 2021 by Enovation Consulting Ltd and Right Hub Srl, both motorcycle and car championships were considered, and championships adopting EV, ICE and hybrid propulsion systems were equally evaluated. The study applies a research-based and analytical approach to assess how motorsport is developing and using the environmental, social and governance (ESG) framework, and how it is engaging different stakeholders within its ecosystem.

Source:
¹<https://www.un.org/press/en/2021/sgsm20847.doc.htm>, accessed August 2021.

The index is based on 25 sustainability performance criteria across six broad areas of sustainability, covering: certifications, accreditations and awards, environmental criteria, social criteria, engagement and partnerships, and sustainability approach. The indicators used for the SChI™ are in line with those used for the previously published Sustainable Circuits Index™ (SCI™), adjusted to account for the differing aspects of sustainability that pertain to championships specifically.

Overall, the findings in this report highlight the ways sustainability is being implemented across international motorsport championships, bringing to light the areas where championships are performing well and where they are lagging, at least when it comes to disclosure of sustainability initiatives. The results show that of the 106 championships analysed, only one championship falls in the top category and 2 follow in the next tier, 5 are in the intermediate tier, 26 are in the second to last tier and 72 fall in the bottom tier. With a total of 72 of the 106 championships analysed falling in the bottom tier, it is clear a substantial gap exists between the leaders and the laggards.

It is important to note that the findings in this report were based exclusively on publicly disclosed data, meaning the championships that effectively disclosed information and communicated about their sustainability practices fared better in this index. Disclosing sustainability is an important part of the ESG framework used in this paper, and it is a key point that this ranking aims to emphasise.

The SChI™ is part of the Sustainable Motorsport Index™ (SMI™), a family of indexes developed by Enovation Consulting Ltd to assess and measure the sustainability performance of key motorsport stakeholders. The first part of the SMI™, published in July 2021, was the Sustainable Circuits Index™ (SCI™), which reviewed and ranked the sustainability practices of international motorsport circuits. All indexes from the SMI™ family will be published annually to assess and report on the progress of sustainability efforts across the motorsport industry.

THE BIG

3



ABB FIA FORMULA E WORLD CHAMPIONSHIP



FIA FORMULA ONE WORLD CHAMPIONSHIP



FIM WORLD CHAMPIONSHIP GRAND PRIX (MOTO GP)

25 Criteria used to assess the sustainability performance of championships.

ESG The framework used to create the Sustainable Championships Index™.

106 International championships (two and four wheels).

74 Championships have demonstrated and disclosed some sustainability credentials.

3 OUT OF THE **7** TOP demonstrate a medium to high sustainability performance.

2 OUT OF THE **3** TOP Championships have joined the UNFCCC Sports for Climate Action Framework

41 OUT OF **72** from the bottom tier made a start on sustainability.

2 billion+ Cumulative TV audience of over 2 billion reached in 2020 by top 3 Championships²

Sources:

¹ <https://frontofficesports.com/formula-e-posts-highest-viewership-numbers-to-date/#:~:text=Total%20viewership%20reached%20316%20million,other%20races%20broadcast%20on%20CBS,> accessed between July and November 2021.

<https://corp.formula1.com/formula-1-announces-audience-figures-for-2020/>, accessed between July and November 2021.

<https://competition.totalenergies.com/en/moto/motogp/totalenergies-and-motogp>, accessed between July and November 2021.

BACKGROUND

1.0 PRESSURE FOR SUSTAINABILITY IN SPORT

As calls for action to fight climate change rise, pressure is mounting on governments and businesses across all sectors to do more. The sports sector is no exception. Despite progress being made across the field of sports and sustainability, with more federations, teams, and organisations joining the likes of the UNFCCC Sports for Climate Action pledge, it is clear from the IPCC report that more work still needs to be done.

Across the sports industry, a sustainability movement is in motion with more organisations coming forward with Sustainable Development Goals (SDGs) driven strategies and commitments. Most recently, the Fédération Internationale de Football Association (FIFA) announced their Climate Strategy, which includes a pledge to be net-zero by 2040, making them the first sports organisation to do so³. FIFA was also the first international sports organisation to join the UNFCCC “Climate Neutral Now” campaign, a programme that invites organisations to measure, reduce, and compensate their greenhouse gas (GHG) emissions.⁴

Pressure is also growing from businesses and investors. Increasingly, many key stakeholders are understanding there is a clear link between sustainable business practices and financial performance. This realisation is motivating many organisations to integrate sustainability strategies into their core business strategies, as well as to partner with entities that are also committed to achieving the SDGs set out by the UN. Highlighting this point in an article published by “The Sustainability Report”, Marc Pritchard, Chief Brand Officer at P&G, spoke about the key role sustainability played in P&G’s partnership renewal with the International Olympic Committee (IOC), which will continue through to the 2028 Games. Speaking about the partnership, Pritchard stated, “Achieving our sustainability targets requires collaboration, so we look for opportunities to advance sustainability in as many of our activities as possible – and that includes our sports sponsorships.”⁵

Whether it be within the motorsport sector, or in any sector, to prompt meaningful change there is a need to gain a better understanding of what organisations are currently doing around sustainability, while at the same time identifying the areas for improvement. Until now, efforts have been made to assess sustainability practices more broadly across the sports sector. In addition, some sports are working to gain a better understanding within their sectors. In football for example, some federations are striving to better understand the current sustainability practices of several organisations, however this is being done at a club level or at a national level only, and the approach being taken involves using surveys. For this paper, the author has decided to rely strictly on publicly disclosed data on the part of entities reviewed. If information was not disclosed during the assessment period (July to November 2021), it will not have been captured in this review.

Source:

³ <https://www.fifa.com/media-releases/cop26-fifa-commits-to-net-zero-emission-by-2040>, accessed between July and November 2021.

⁴ <https://digitalhub.fifa.com/m/a6e93d3f1e33b09/original/FIFA-Climate-Strategy.pdf>, accessed between July and November 2021.

⁵ <https://sustainabilityreport.com/2021/09/30/supporting-partners-sustainability-goals-an-emerging-sponsorship-category/>, accessed between July and November 2021.

2.0 FIA AND FIM PAVING THE WAY FOR SUSTAINABLE TRANSFORMATION

In 2018, with the introduction of the United Nations Sports for Climate Action Framework, the UN recognised the opportunity sports present for contributing to the SDG, and more specifically for driving the climate action agenda forward. The motorsport industry alone is a global entity with a massive following, second only to FIFA. Formula One's 2020 figures show a cumulative TV audience of 1.5 billion and a 36% increase in engagement across social media, making it one of the strongest performing major sports leagues in the digital arena⁶. The emerging electric motorsport sector has also developed a strong following. In its seventh season, Formula E saw its viewership grow by 125% in Brazil, France, Italy, and the United Kingdom⁷.

The motorsport ecosystem comprises of several key stakeholders internationally. At the top of this ecosystem are the Fédération Internationale de l'Automobile (FIA) and the Fédération Internationale de Motocyclisme (FIM). Recognised by the IOC as the sole competent authorities for racing cars and motorcycles, respectively, both the FIA and FIM have been committed to sustainability for several years.

Since the early 1990's, the FIM has had a longstanding history with sustainability, having adopted and implemented several environmental practices across the organisation over the years. In 1992, the FIM established a working group committed to developing environmental policies. In the same year, the organisation launched "Ride Green", a programme dedicated to raising awareness of environmental issues throughout the wider motorsport industry. In 1994, the FIM launched its Environmental Code, making it the first international sports federation to do so. Designed to minimise the environmental impact of FIM events, the code has been updated every year since its launch by the FIM's Sustainability Commission Group and is compulsory for its members to follow. Over time, the Code has been brought in line with the UN SDGs, focusing on sustainable development and extending beyond environmental factors alone.

For its part, the FIA has also put the environment at the top of their agenda over the years. Published in 2020, the FIA's environmental strategy aligns with the UN SDGs and places particular emphasis on the goals linked to the use of energy, sustainable cities and communities, responsible consumption and procurement, safeguarding of life on land and water, and climate action. The FIA's strategy emphasises the federation's mission "to reduce motorsport impact on climate change and reinforce motorsport as the catalyst for sustainable development and innovation." Committed to realising this mission, the FIA has recently presented a roadmap with key milestones to be achieved for circuits, world championships and promoters.

Source:

⁶<https://corp.formula1.com/formula-1-announces-audience-figures-for-2020/>, accessed between July and November 2021.

⁷<https://frontofficesports.com/formula-e-brings-growing-fan-base-momentum-to-new-york/>, accessed between July and November 2021.

Although the FIA and the FIM have both set out clear environmental targets, the approaches differ slightly in relation to how stakeholders are engaged. With the FIM's Environmental Code being compulsory, the organisation is taking a top-down approach, ensuring the environmental impact of FIM-sanctioned championships at events is controlled. The FIM has also created a new role, the environmental steward. These stewards, educated directly by the FIM sustainability department with a series of seminars and exams, have the role to ensure that FIM title events run in respect of the environmental code and sustainability principles. Until now, the FIA's approach to sustainability has been more of a bottom-up approach, providing timelines for world championships and key stakeholders to comply with the FIA's medium and long-term objectives of net-zero by 2030.

When it comes to addressing matters related to sustainability, there is no one right approach or solution for all. The policies and practices put forward by both the FIA and FIM are good steps forward for the industry, however these primarily address the environmental aspect of sustainability, with little consideration of social and governance factors. These areas of sustainability are instead either self-regulated by championships, or left to other commissions within the governing bodies to oversee, such as the FIA Women in Motorsport Commission, the FIM Women in Motorcycling Commission, and the legal commissions. Over the last 15 years, these commissions have made substantial progress, but they do not offer SMART objectives (specific, measurable, achievable, realistic, time-bound) or measurement to understand the real impact of programmes.

Recognising the need to follow a well-established framework, as seen in other industries, this study sets out to assess motorsport stakeholders' activities in relation to each of the key areas that contribute to a holistic approach to sustainability, including key environmental, social and governance (ESG) factors.

3.0 MOBILISING SUSTAINABILITY THROUGH THE MOTORSPORT ECOSYSTEM

Motorsport championships are world renowned for hosting second-to-none world class events, both in four-wheel and two-wheel racing spheres. With over 2,000 events that take place each year, across all continents, championships are surrounded by a large ecosystem that contributes to the organisation and success of each season. Recognised for the many technological innovations and advancements that have transcended into a variety of sectors, including automotive, motorsport has the potential to change mindsets and influence a broad and diverse group of stakeholders at senior management and leadership level, aside millions of fans, passionate about the sport⁸.

While motorsport has helped promote and mobilise the EV sector, leveraging new and emerging all-electric series such as Formula E, Extreme E, Pure ETCR and Moto E to name a few, it has also received criticism for its role and impact on climate change. One of the main environmental impacts commonly associated with motorsport is carbon emissions, with the racing vehicles often being deemed the greatest offender. According to the ABB FIA Formula E Season 6 Sustainability Report⁹, over 70% of carbon emission is due to travel and logistics. A similar figure was reported by Formula One in their 2019 Sustainability Strategy, where only 0.7% of total emissions are due to the operation of the racecars¹⁰. Given emissions from vehicles make up only a small fraction of a championship's overall carbon footprint, it is important to highlight the need for all aspects of sustainability to be addressed, not only the propulsion technology used in the racing vehicles. Underscoring the necessity for organisations to minimise their overall carbon footprint, the IPCC report emphasises that to stay on a 1.5°C pathway, advances in the efficiency of transport, logistics, internal combustion vehicles and the performance of electric and hydrogen engines must be achieved¹¹. Renowned for being a test bed for innovations and technologies benefitting not only the automotive sector, but other sectors as well, motorsport's role in achieving these goals is key.

Although much attention has been given to the topic of motorsport and sustainability over the years, to date little attention has been placed on assessing the impact motorsport championships specifically have on all aspects of sustainability, including social, economic, environmental and governance issues.

Source:

⁸ Gallagher, M. (2021). The business of winning: Insights of transformation from F1 to the boardroom. Kogan Page Limited.

⁹ ABB FIA Formula E, 2020, Sustainability Report, available from: <https://assets-prd.formulae.cloud/-/media/files/reports/abb-fia-formula-e-world-championship-season-6-sustainability-report.pdf?modified=20210221001310>

¹⁰ F1, 2019, F1 Sustainability Strategy. Available from: <https://corp.formula1.com/wp-content/uploads/2019/11/Environmental-sustainability-Corp-website-vFINAL.pdf>, accessed between July and November 2021.

¹¹ https://www.ipcc.ch/report/ar6/wg1/downloads/report/IPCC_AR6_WGI_SPM_final.pdf, accessed between July and November 2021.

STUDY AIMS AND METHODOLOGY

Building on academic best practice for research, this study analysed the disclosure of championships' sustainability practices, with the goal of providing a robust and comprehensive overview of the sustainability performance of motorsport championships. A first of its kind, Enovation Consulting Ltd developed the SChI™ with the aim of providing a robust and consistent way to rank the sustainability performance of international motorsport championships. The primary goal of the study is to inform and to empower championships to disclose and adopt sustainable practices, and to engage with key stakeholders across their ecosystem to progress on their journey towards a more sustainable future.

This study analysed a total of 106 globally recognised motorsport championships, representing both four-wheel and two-wheel championships that have established high profiles and visibility internationally, and that were in full operation in 2021 (the full list is presented in Appendix 1). Within the industry, a championship is defined as an event or series of events organised for the purpose of establishing the right to an individual or collective title¹². Events are also referred to as individual races or race weekends that take place within a single season. A round is referred to when there is more than a single race taking place on a specific race weekend (see Appendix 3 for total number of races/rounds by championship). In this study, championships representing all classes of motorsport, and all types of propulsion systems (e.g., internal combustion engine, hybrid engine, battery electric etc.) were included. Championship series run over the span of a single motorsport season, which usually take place between January and November of each year. Information regarding each championship's sustainability approaches and practices was gathered from their public disclosure (e.g. championships' websites, reports, press releases and news reports etc.) during the period July 2021 - November 2021.

The sustainability performance of each championship was assessed by using 25 sustainability performance criteria (see Table 1 for the description) across 6 broad areas: certifications, accreditations and awards, environmental criteria, social criteria, engagement & partnerships, and sustainability approach. The criteria were carefully identified, calibrated, and validated by third-party industry experts to provide a comprehensive and balanced comparison across all six areas of sustainability. These criteria are in line with the ones previously used for the SCI™, adjusted to account for the differing aspects of sustainability that pertain to championships specifically.

Using the SChI™, the 106 championships assessed were grouped into 5 categories of sustainability performance, normalising the performance data over the score of the leader (see Table 2).

Source:

¹² <https://www.motorsportuk.org/wp-content/uploads/2020/12/2021-03-08-motorsport-uk-yearbook-2021-p052-066-nomenclature-definitions-b.pdf>, accessed between July and November 2021.

Table 1:

Criteria used to assess the sustainability performance of championships and to build the Sustainable Championships Index™.

CERTIFICATIONS**1. ISO 14001**

It sets out the criteria for an environmental management system that an organisation can use to enhance environmental performance.

2. OHSAS 18001 OR ISO 45001

It sets out the criteria for an occupational health and safety management system that an organisation can use to protect employees and visitors from work-related accidents and diseases.

3. ISO 20121

It sets out the criteria for a sustainable event management system that an organisation can use to manage events and control their social, economic and environmental impact.

4. ISO 9001, LEED, BREAMS or PEARLS (FOR HEADQUARTERS)

ISO 9001 sets out the criteria for a quality management system that an organisation can use to demonstrate the ability to consistently provide products and services that meet customer and regulatory requirements. LEED, BREAMS and PEARLS set the criteria for the design and maintenance of healthy, highly efficient and cost-saving green buildings.

5. ISO 26000

It provides guidance to those who recognise that respect for society and environment is a critical success factor. Application of ISO 26000 is for businesses and organisations committed to operating in a socially responsible way.

6. Carbon Footprint Assessment or Carbon Disclosure Project (CDP)

Tracking, measuring, and disclosing an organisation's carbon emission activities using a carbon calculator or as part of the CDP, a not-for-profit organisation that works with organisations to measure and disclose their activities.

ACCREDITATIONS AND AWARDS**7. FIA Environmental Accreditation and/or FIM Environmental Awards**

An environmental accreditation programme led by FIA that helps to measure and improve the environmental performance of motorsport stakeholders, including championships.

The FIM Environmental Award recognises the efforts made by organisers, federations, circuits, championships, and teams to develop sustainable initiatives and events that minimise the environmental impact and leave a positive legacy for the local communities.

8. Other Industry Awards

Industry recognised awards that acknowledge and award organisations for their sustainability impact and activities (e.g., EDIE, SportPro Award).

ENVIRONMENTAL CRITERIA**9. Waste Management and Circular Economy Initiatives**

The adoption of sustainable waste management practices and the development of circular economy initiatives.

10. Renewable Energy and Energy Efficiency

Procurement of green energy and/or on-site production of renewable energy. Use of LED lighting systems and other high efficiency equipment.

11. Efficient Use of Natural Resources

Adequate use of natural resources (e.g., water, wood, metals) and actions to protect biodiversity.

12. Transportation and Mobility

Actions to improve mobility to/from the championship, reduce emissions generated by transportation, and use of transportation options with a lower carbon footprint.

13. Climate Change Projects

Projects focused on fighting climate change.

Table 1:

Criteria used to assess the sustainability performance of championships and to build the Sustainable Championships Index™.

SOCIAL CRITERIA**14. Accessibility**

Actions being taken to actively provide industry access opportunities to groups currently underrepresented in motorsport.

15. Philanthropy

Donations and fundraising events to support not-for-profit organisations and charitable causes.

16. Community Events at Races

Organisation of initiatives and events aimed at supporting the communities adjacent to the championships.

17. Other Campaigns

Recognises initiatives such as SDG focused campaigns and initiatives (e.g., Health/Covid-19 response etc.)

18. Actions to Counteract Foodwaste

Adoption of initiatives to collect surplus and combat food waste.

ENGAGEMENT & PARTNERSHIPS**19. Partnerships for Sustainability**

Recognises SDG focused partnerships (e.g., local charities, not-for-profits)

20. Employee/Stakeholder Engagement

Recognises initiatives that engage and involve employees and stakeholders in SDG focused activities, as well as activities that focus on employee well-being and inclusion.

21. Impact on Local Economic Development

Active measurement of the Championship's impact on the local economy (e.g., on employment, tourism, local suppliers) and commitment to have a positive impact.

SUSTAINABILITY APPROACH**22. Quality and Quantity of Social and Environmental Sustainability Policies and/or Ethics Code and/or UNFCCC Commitments**

Formal documents or webpages that disclose the commitment and behaviour of the organisation through environmental, social, and ethical standards. This could include the explicit reference to the UN Sustainable Development Goals, the UN Global Compact, and the UN Framework Convention on Climate Change.

23. Engagement demonstrated through Activism, Events, and Sustainability Initiatives (not necessarily at races)

Events and initiatives hosted by the Championship focused on sustainability.

24. Sustainability Reporting

Disclosure of sustainable business policies and practices through websites or sustainability reports.

25. Sustainability Strategy

Disclosure of a clear, ambitious and comprehensive sustainability strategy that includes SMART objectives.

Different points were awarded to recognise the efforts championships have made across the 25 indicators listed in Table 1 for a total of 100 points available. The Sustainable Championships Index™ was therefore created as an index ranging from 0 to 100 (highest level of sustainability performance).

Using the SChI™, the 106 championships assessed were grouped into 5 categories of sustainability performance (normalising the performance data over the score of the leader).

Table 2:
Categories of sustainability performance associated with the Sustainable Championships Index™.



Corresponds to a LOW SChI™ SCORE



Corresponds to a MEDIUM - LOW SChI™ SCORE



Corresponds to a MEDIUM SChI™ SCORE



Corresponds to a MEDIUM - HIGH SChI™ SCORE



Corresponds to a HIGH SChI™ SCORE

THE SUSTAINABILITY PERFORMANCE OF MOTORSPORT CHAMPIONSHIPS

THE BIG PICTURE

Although motorsport championships have come a long way on the journey towards sustainability, it is clear that some stakeholders are further along on their journeys than others. Unlike what occurs on a racetrack however, a championship's position or ranking in this race towards a sustainable future is not what matters most. What matters most is that they are in the race, that they have started their journey of engaging in sustainability practices internally as well as with their stakeholders, and that they are disclosing information about their efforts. For motorsport championships and their ecosystem, the findings in this report show that while momentum is growing and a shift towards sustainability is certainly happening throughout the industry, there are still too few leaders leading the pack, and too many laggards following from behind.

From the 106 championships analysed, 1 reached the highest sustainability performance category (high SChI™ score), 2 fall in the medium-high sustainability category (medium-high SChI™ score), 5 are in the intermediary group (medium SChI™ score), 26 are in the second to last tier (medium-low SChI™ score) and 72 fall in the lowest tier (low SChI™ score). See the number of championships by performance category in Figure 1. In contrast to the findings observed for international circuits in the SCI™, with very little signs of engagement in the lowest tier, 41 of the 72 championships in the lowest tier of the SChI™ have disclosed some engagement with sustainability, bringing hope that the ecosystem is aware of the need for change and had started to engage with the subject. As sustainability is still a very new subject for motorsport stakeholders, it is important to acknowledge all efforts being made across the industry, both big and small.

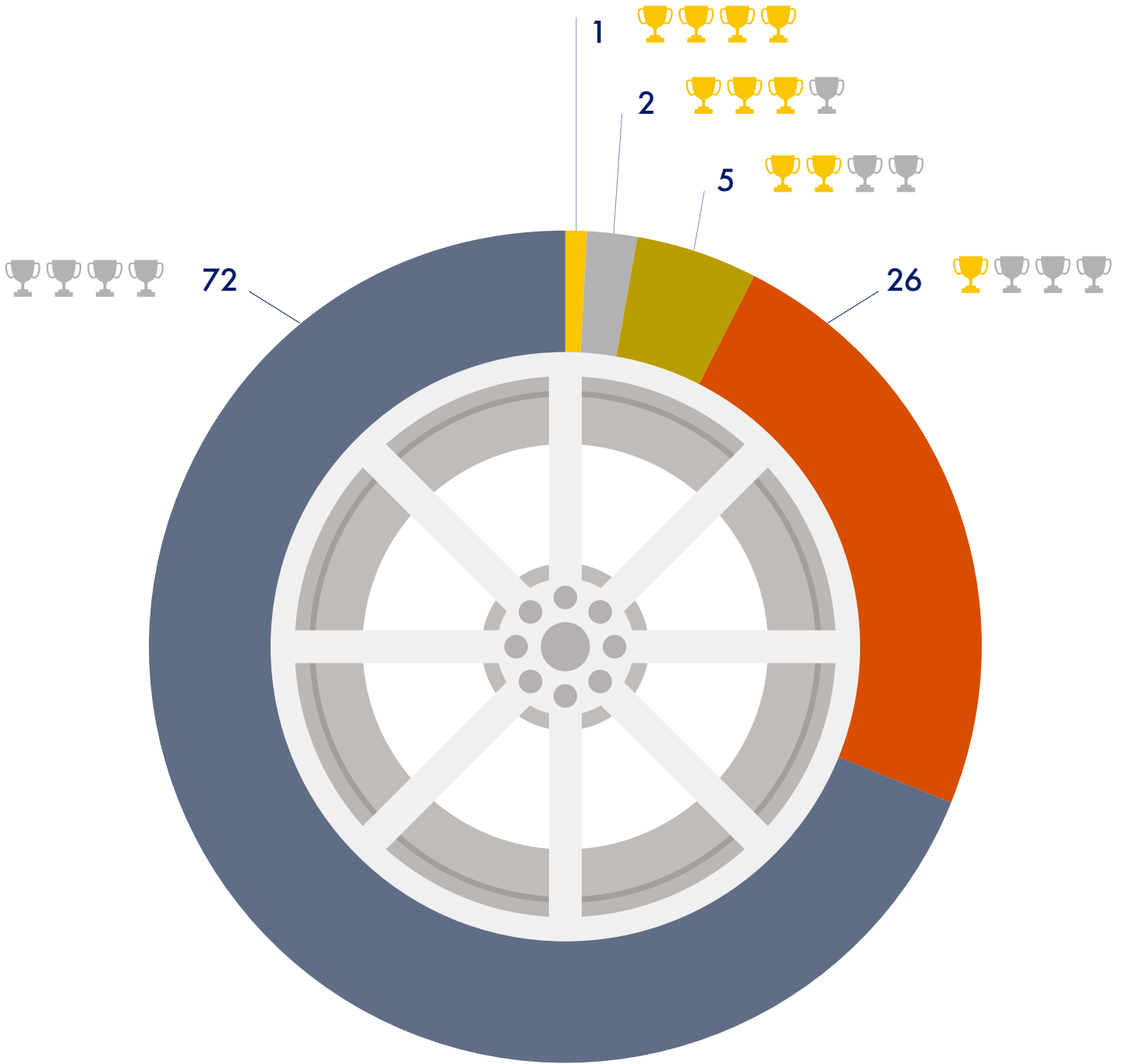
With only a few championships earning medium to high SChI™ scores, and more than half appearing in the bottom tier, the results show that a clear gap exists between the leaders and the laggards. This finding highlights the need for improvement among the majority of championships assessed, as well as the need for greater disclosure and engagement across these industry stakeholders.

While there is room for improvement among the laggards, the results showed that there is also room for improvement among the leaders. While the top-ranking championship in this study has made significant strides to implement a sound sustainability strategy, raising industry standards, it is important to note that with the highest absolute score being SChI™ 79/100, even the leaders have areas they can improve going forward.

Although the overall findings are concerning, they are not surprising given sustainability is still a relatively new topic for many organisations, not solely in motorsport. Thanks to the influence and importance placed on sustainability by both the FIA and the FIM, alongside the upcoming compulsory requirements put in place by both federations, it is likely the industry will see a rise in sustainability performances across the industry in the coming years, narrowing the gap that exists today.

Figure 1 shows the number of championships that appeared in each of the sustainability performance categories used for this assessment (see sustainability performance categories listed in Table 2).

Figure 1:
 Of the 106 championships analysed, only 1 falls in the highest sustainability category and 72 fall in the lowest tier, highlighting the need for greater sustainability engagement and disclosure among championships.

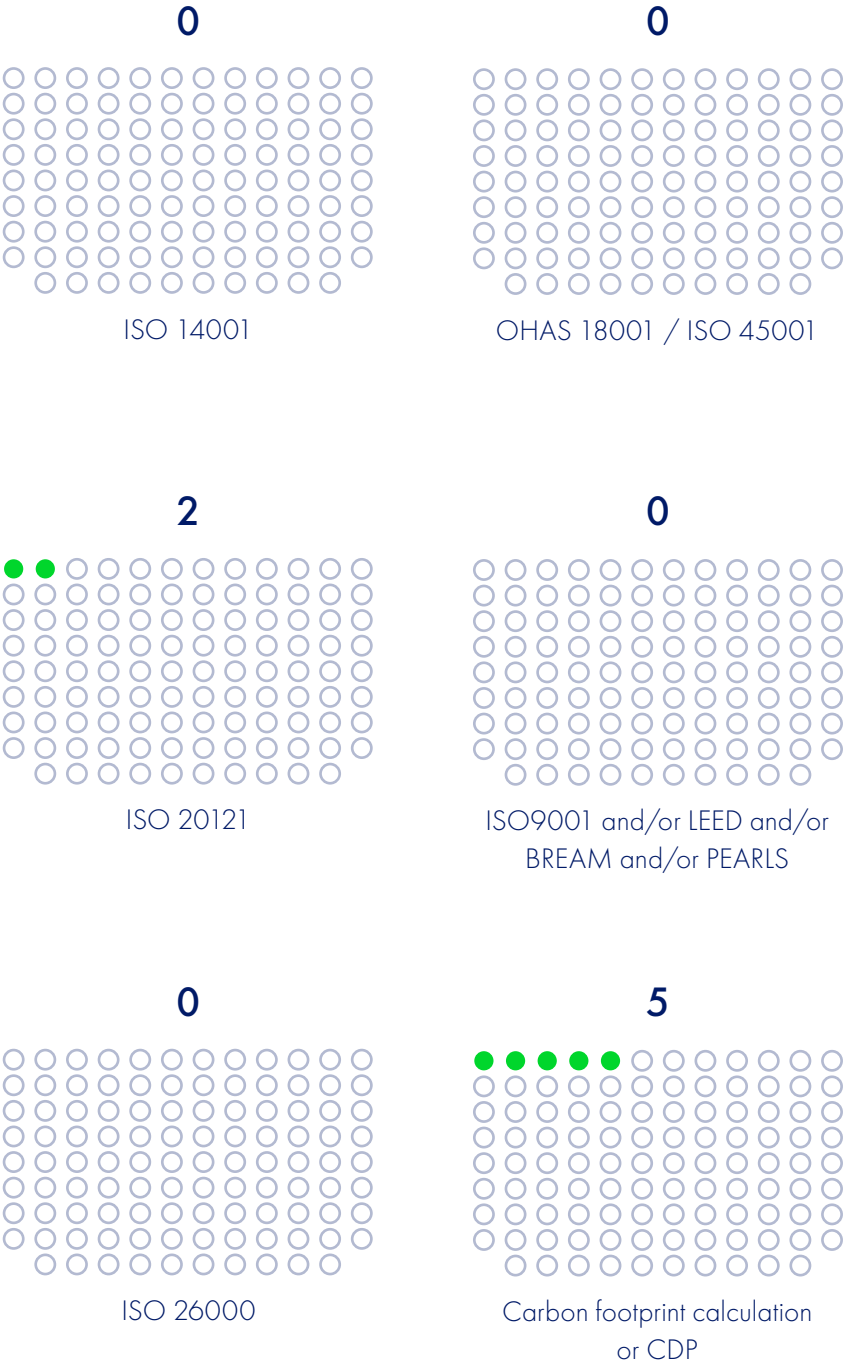


CERTIFICATIONS

Implementation and accountability of sustainability strategies is key to good sustainability governance. Certifications that are recognised internationally provide a standardised means to acknowledge efforts made by organisations that adopt and adhere to sustainability and quality control practices. For the certifications criteria, the SChI™ looked at disclosure of certifications, carbon footprint calculations and reporting. This category takes into consideration certifications that are achieved by championships directly (e.g., ISO 20121), as well as certifications that are achieved by promoters organising events on behalf of a championship organisation (e.g., ISO 14001), organisation’s carbon emissions disclosure or CDP.

The findings in this study showed that of the 106 championships analysed in this report, 2 earned relevant certifications in recognition of the sustainability of their event practices and 5 reported carbon emissions activities that were tracked and measured using a carbon calculator or CDP (see Figure 2).

Figure 2: Only 2 of all championships reviewed earned certifications and 5 championships disclosed information about tracking and measuring their carbon emissions activity.

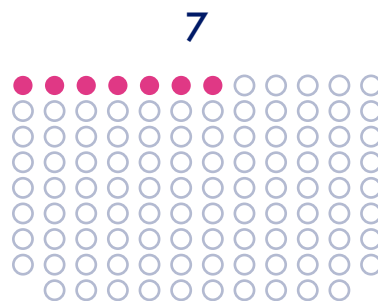


ACCREDITATIONS AND AWARDS

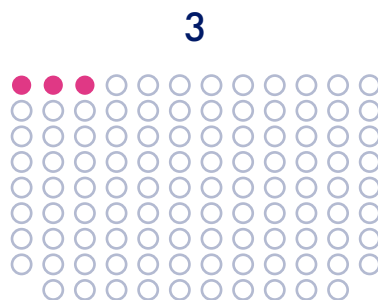
Another key metric for measuring sustainable performance and leadership across an organisation is the recognition that is attributed in the form of industry awards and accreditations. This study considered the environmental accreditations and awards issued by the FIA and the FIM, as well as other relevant industry awards. Upon review of the disclosures examined in this study, 7 championships earned an accreditation or award issued by the FIA or FIM (see Figure 3). While this number is relatively low, it is expected to increase substantially moving forward due to the FIA making their 3-Star Environmental Accreditation a requirement for all FIA-sanctioned championships from 2030, and for all FIA-sanctioned World Championships from 2025.

Additionally, the findings show that 3 championships were recognised for their sustainability efforts with other relevant industry awards (see Figure 3). From these findings it is clear there is an opportunity for more championships to gain greater recognition for their sustainability efforts, either through an improved approach to sustainability and/or through increased disclosure of their sustainability efforts.

Figure 3:
A total of 7 championships achieved the FIA Environmental Accreditation or the FIM Environmental Award, and 3 championships overall earned other relevant industry awards in sustainability.



FIA Environmental Accreditation
or FIM Environmental Award



Other relevant industry awards

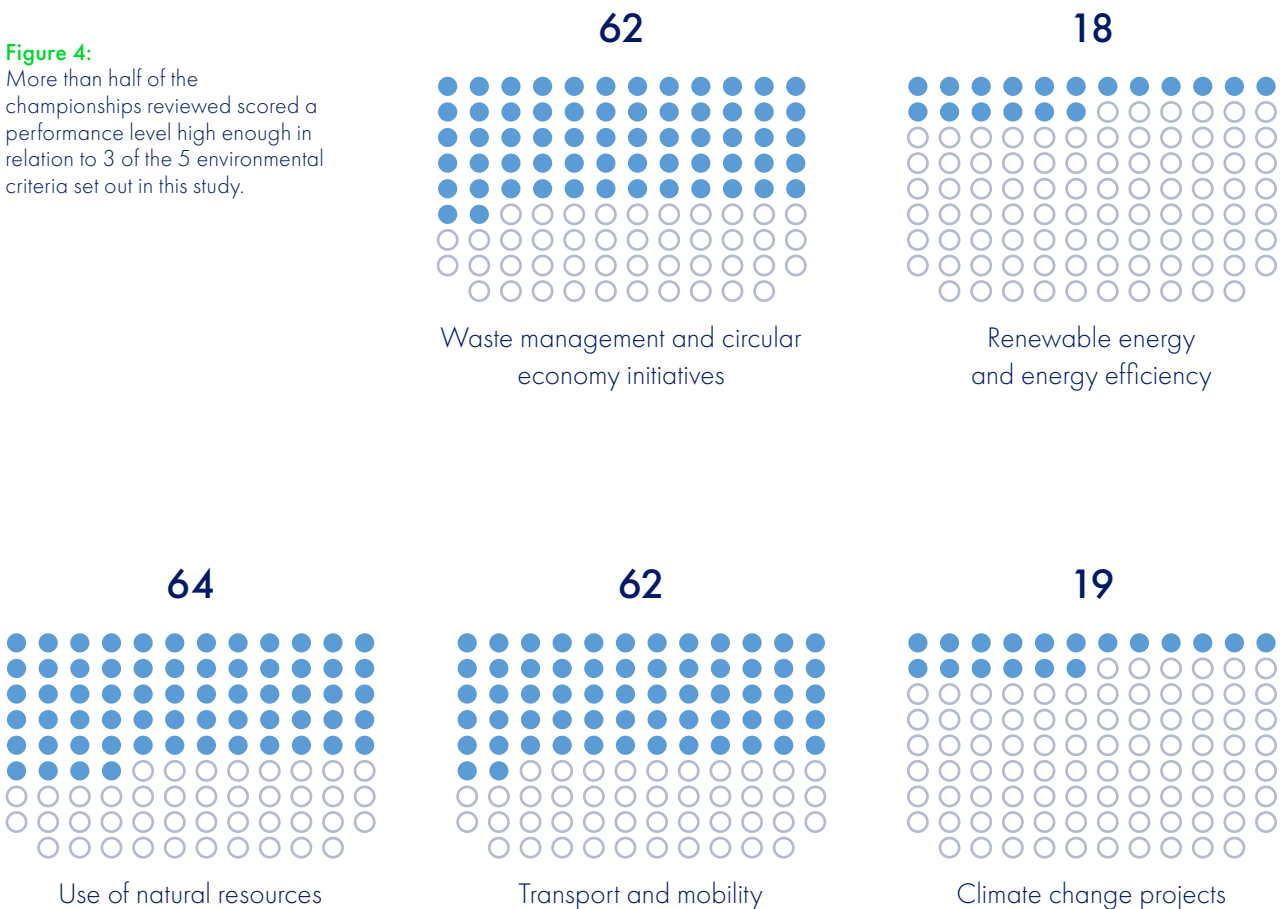
ENVIRONMENTAL CRITERIA

The environmental criteria assess a championship’s approach to minimising the environmental impact of their operations and practices, and specifically: waste management and circular economy, renewable energy and energy efficiency, efficient use of natural resources, transportation and mobility, and climate change projects.

Of the 106 championships reviewed, more than 60 championships scored a performance level high enough in relation to three of the five environmental criteria outlined in this study, namely waste management and circular economy initiatives, efficient use of natural resources and transportation and criteria (see Figure 4). When looking specifically at the remaining 2 environmental criteria reviewed, which assessed activities related to renewable energy and energy efficiency, and climate change projects, the results once again highlight the need for better disclosure and/or the need for improved implementation of sustainability practices in these areas.

Overall, the findings in this category show that the industry is performing relatively well in the area of environmental sustainability, a fact that can be attributed to the emphasis placed on the environment by the FIA and FIM collectively.

Figure 4: More than half of the championships reviewed scored a performance level high enough in relation to 3 of the 5 environmental criteria set out in this study.



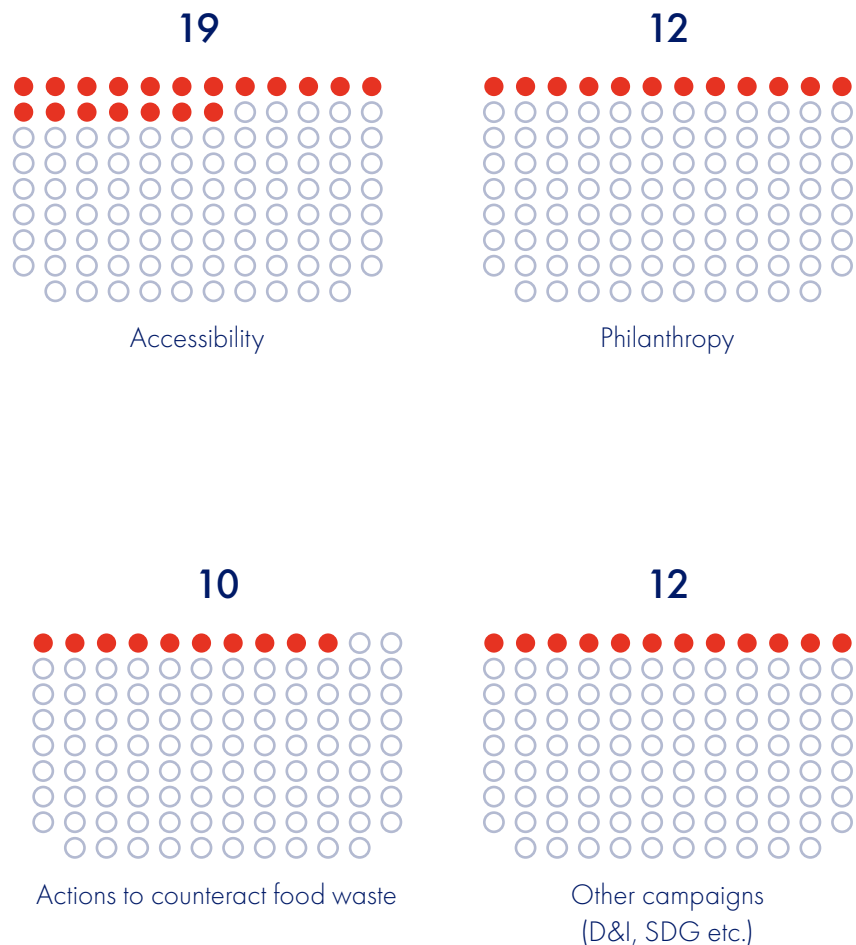
SOCIAL CRITERIA

Championships have an impact on a wide range of social activities that affect a broader community, including philanthropy, accessibility at events, events supporting the communities, other SDG focused campaigns as well as activities that counter food waste. This study looked at the performance of all 106 championships reviewed in relation to five key social criteria identified (see Figure 5). The social criteria that received the highest level of engagement was that which related to accessibility, which saw a total of 19 championships score a performance level high enough in relation to this area (see Figure 6). The area that saw the least amount of engagement was actions to counteract food waste with only 10 championships disclosing initiatives to address this issue.

Overall, the results from this study showed that when it comes to each of the key social issues reviewed, there is clearly more work to be done as there are still far too many championships that are falling short in addressing these key areas of sustainability.

Figure 5:

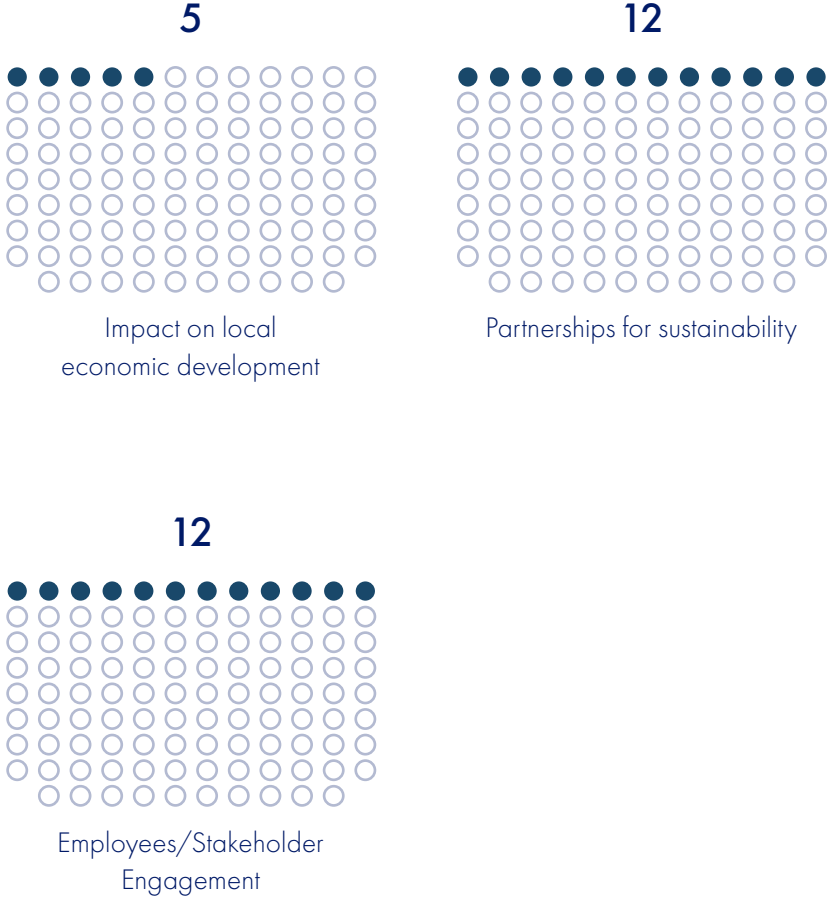
When assessing sustainability performance in relation to the social criteria reviewed in this study, 19 championships engaged in projects addressing accessibility, 12 engaged in philanthropic initiatives, 12 organised community events at races, 12 were involved in other relevant campaigns, and 10 had initiatives in place to counteract food waste.



ENGAGEMENT & PARTNERSHIPS

The value championships can deliver to a local community and economy is equally important to what takes place on the track. This study looked at the partnerships that championships have formed to support sustainability focused initiatives in local communities (e.g., partnering with local charities), as well as at initiatives that focus on supporting the local economy. Employee and stakeholder engagement was also reviewed as part of this study, as it is a key indicator of sustainability being embedded within an organisation’s culture, going beyond strategies and reports alone. As is illustrated in Figure 6, on the metric that measures a championship’s performance of their sustainable engagement and partnership activities, only 5 championships achieved a performance level high enough in relation to their impact on local and economic development, 12 were engaged in sustainability focused partnerships, and 12 had initiatives in place that focused on engaging employees and stakeholders.

Figure 6: Of the 106 championships assessed, only 5 performed well in relation to their impact on local and economic development, 12 formed sustainability focused partnerships, and 12 engaged their employees and stakeholders.



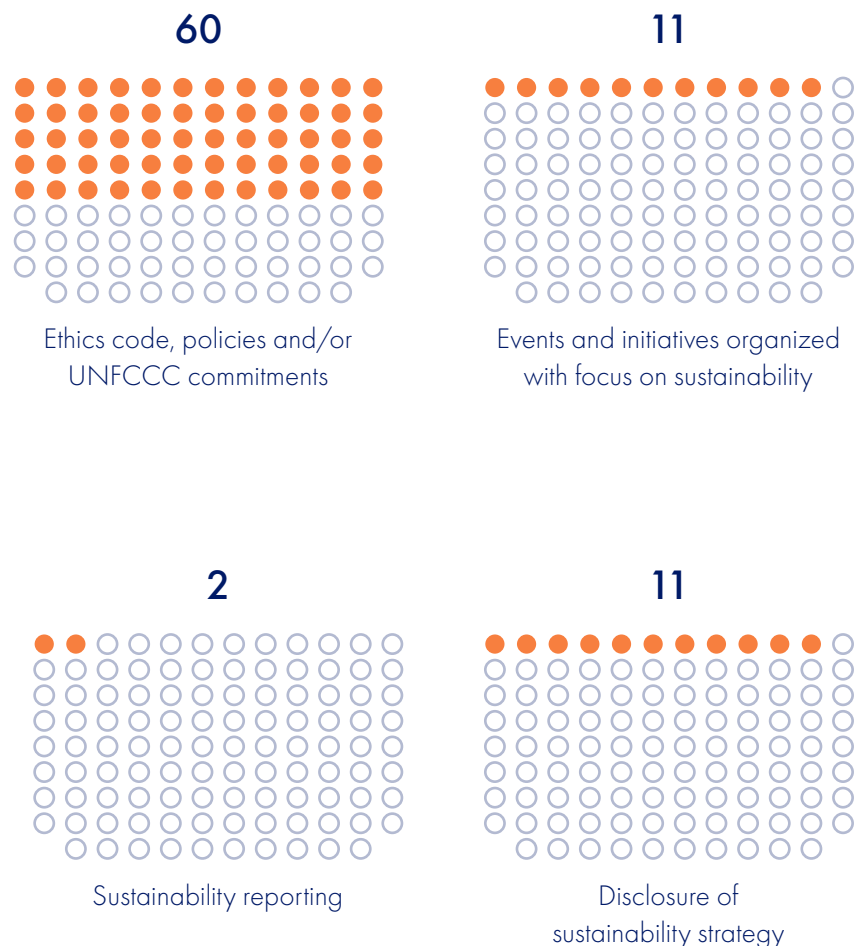
SUSTAINABILITY APPROACH

This report looked at four indicators within the sustainability and engagement category (see Figure 7): The first approach takes into consideration formal documents aligned with social, environmental, sustainability policies and ethics as well as UNFCCC commitments. This category also considered community events and initiatives that took place in and around events, as well as publicly disclosed sustainability reporting and sustainability strategies.

On the indicator that assessed championships' social and environmental policies, codes or UNFCCC commitments, the findings were notably positive, with more than half (60) of the championships assessed disclosing initiatives related to this area. In contrast, the findings also showed that, despite the policies and commitments put in place by most championships, only 2 championships disclosed sustainability as part of their reporting, 11 disclosed sustainability focused events, and 11 disclosed sustainability strategies.

Similar to a pattern seen in the previous categories reviewed, the findings in this section highlight the need for greater understanding about the importance of disclosure and transparency related to sustainability approaches and strategies by championships. Defining and communicating sustainability strategies is necessary for the industry to hold organisations accountable, and to drive actionable change.

Figure 7: More than half of the championships reviewed scored a performance level high enough in relation to their ethics code & policies and/or UNFCCC commitments, and very few demonstrated they are engaging in sustainability focused events, sustainability reporting or a sustainability strategy.



A LOOK AT TODAY'S SUSTAINABILITY LEADERS

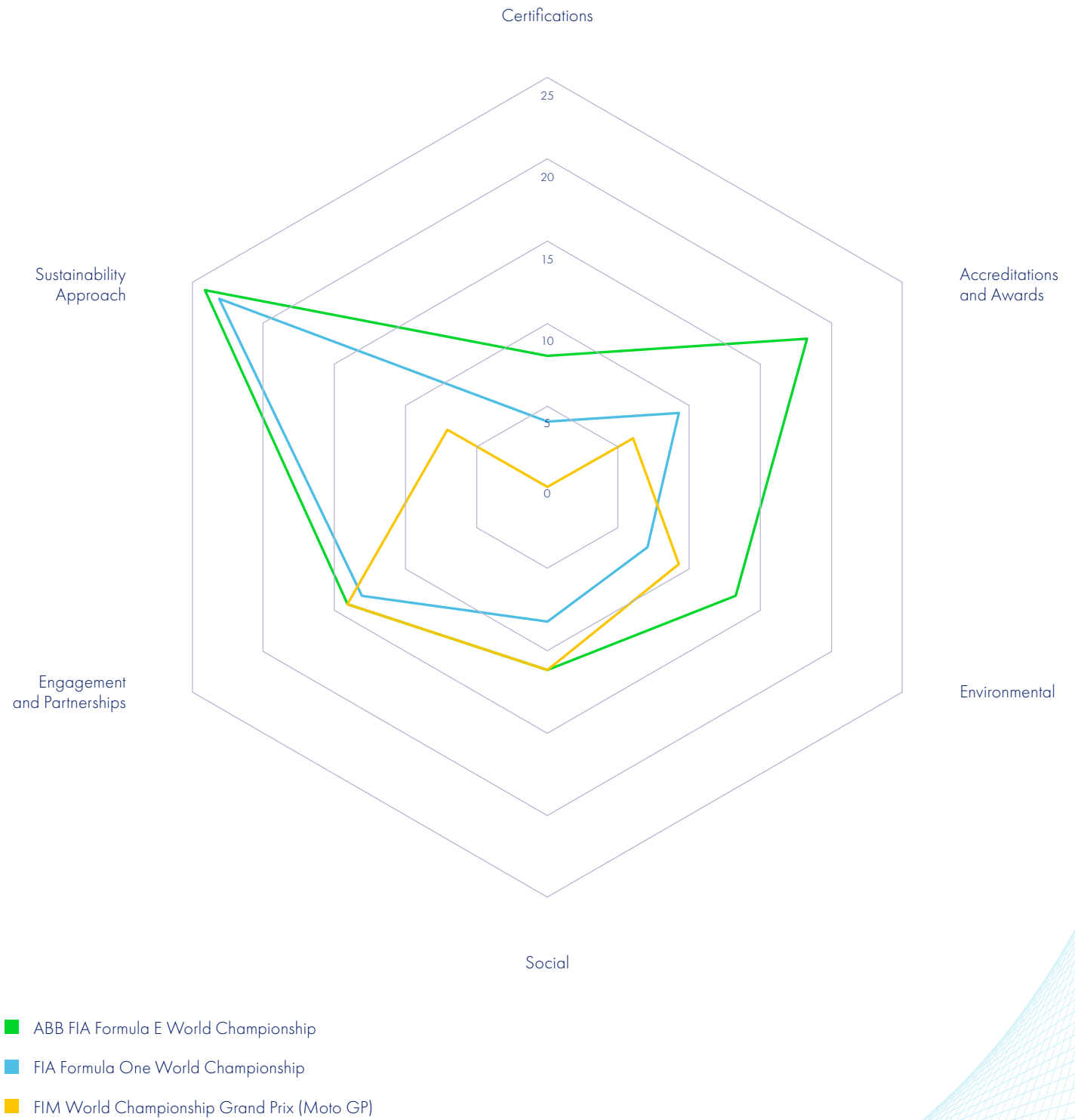
Following this comprehensive review of the sustainability practices of 106 international motorsport championships, a few players stood out as leading the way on sustainability. Topping the scoreboard with the highest score of SChI™ is the ABB FIA Formula E World Championship, followed by the FIA Formula One World Championship in second place with SChI™ 75/100. In third place overall, but first among the two-wheel championships, is the FIM World Championship Grand Prix (MotoGP) with SChI™ 60/100 (See Figure 8 for the leaders' profiles). Taking fourth and fifth positions are Extreme E and the FIA World Touring Car Cup, respectively. Appendix 2 offers the complete Sustainable Championships Index™.

In this section, this white paper provides examples of what the top tier motorsport championships are doing, offering a benchmark for others that are starting their journey only now.

As is shown in Figure 8, rather than focusing on only one area, the ABB FIA Formula E World Championship earned the top spot through a strategic sustainability approach that addresses each of the criteria categories reviewed. The FIA Formula One World Championship also demonstrated good implementation across each of the metrics assessed, with its highest score being attributed to its sustainability approach. In third position, the FIM World Championship Grand Prix showed a strong performance across 5 of the 6 categories reviewed, with its highest scores being in the social, and engagement and partnerships areas. Consistent among all the leaders is a holistic approach to sustainability that addresses multiple areas of sustainability, and not just a single area or dimension like the environment for instance.

Through a holistic approach to sustainability, the leading championships are exemplary leaders for all motorsport stakeholders looking to elevate their sustainability strategies, practices, and performances.

Figure 8:
Profiles of today's sustainability leaders' performance in the various dimensions measured across the 25 indicators.



- ABB FIA Formula E World Championship
- FIA Formula One World Championship
- FIM World Championship Grand Prix (Moto GP)

SUSTAINABILITY IN MOTION:

**A NOTEWORTHY SHIFT TOWARDS SUSTAINABILITY
IS OCCURRING IN AN INDUSTRY STEEPED IN
HISTORY, TRADITION AND LEGACY**

Established in 1949, Moto GP, much like Formula One, which was established in 1950, is a seasoned championship steeped in the tradition and history that has shaped motorsport into the global entity that it is today. Unlike newer championships that have emerged in an era that is more conscious of environmental and social issues, for entities that have been operating for decades, change does not always come easy. For this reason, seeing the likes of Moto GP and Formula One among the leading championships is a promising and encouraging sign that a shift towards sustainability is happening across the entire motorsport industry. This result also demonstrates that, for championships old and new, with the right approach and commitment, transformation towards a sustainable future is indeed possible.

EXAMPLES OF SUSTAINABILITY APPROACHES OF LEADING MOTORSPORT CHAMPIONSHIPS



ABB FIA FORMULA E WORLD CHAMPIONSHIP



ABB FIA Formula E received the highest score among the 106 championships reviewed. Built on a foundation of sustainability, it is not surprising that the ABB FIA Formula E is leading the way for sustainability in motorsport. With a total of 15 races conducted during the 2020-21 season, key to the ABB FIA Formula E's success is their holistic approach to sustainability, with the goal of minimising their negative impact while at the same time optimising areas where they can make a positive impact. Among its list of achievements, ABB FIA Formula E is one of only two championships assessed to have earned a ISO20121 sustainable events certification, the other one being Ferrari Challenge Europe. In 2020, the ABB FIA Formula E also received a 3-Star Accreditation from the FIA Environmental Accreditation Framework.

Testifying to their care for the planet, ABB FIA Formula E has implemented a recycling programme for all generation-1 lithium-ion batteries used at their events during Seasons 1 through 4, in partnership with Umicore (a global recycling group). The series also trialled the recycling of broken carbon fibre parts collected centrally at their races in 2021. Since 2018, the championship has also tackled the issue of single-use plastic bottles at events by installing water refill stations, taking 200,000 bottles out of circulation.

ABB FIA Formula E has also leveraged has also demonstrated a commitment to leveraging its platform to further social and economic development in and around its events. Through a partnership with UNICEF, in 2021 ABB FIA Formula E has helped 38 million people gain access to water, sanitation, or hygiene supplies; trained 2.5 million healthcare workers on infection prevention and control, as well as provided support for more than 224 million children with distance or home e-based learning during Season 6. In Season 5, ABB FIA Formula E forged partnerships with 55 local charities and community groups, supporting initiatives that delivered a positive impact to local communities and surrounding areas.

HIGHLIGHTS OF THE SUSTAINABILITY PERFORMANCE OF ABB FIA FORMULA E WORLD CHAMPIONSHIP

CERTIFICATIONS:

- > Awarded the ISO20121 sustainable events certification (achieved since 2018).
- > Disclosed tracking and measuring carbon footprint using a certified carbon calculator or CDP

ACCREDITATIONS AND AWARDS:

- > Awarded a 3-Star Accreditation under the FIA's Environmental Certification Framework.

SOCIAL CRITERIA:

- > Partnered with 55 charities and local community groups in Season 5.
- > Over 1,000 children attended "FIA Girls on Track" events in Mexico City, Diriyah and Santiago during Seasons 5 and 6.
- > In partnership with UNICEF, provided 38 million people with water/sanitation/hygiene supplies; trained 2.5 million healthcare workers on infection prevention & control; supported more than 224 million children with distance learning during Season 6.

ENVIRONMENTAL CRITERIA:

- > Through the installation of water refilling stations at events, removed 200,000 single-use plastic bottles from use/circulation.
- > Achieved 30 to 50% less logistic carbon footprint by using hybrid tyres, which are 100% recycled by Michelin.

ENGAGEMENT AND PARTNERSHIPS:

- > In partnership with the venue, excess food from Season 7 London E-Prix was donated to local charities.

SUSTAINABILITY APPROACH:

- > Signatory of the UNFCCC Sport for Climate Action Framework and Road to Zero, as well as the UNFCCC Climate Neutral Now initiative and the Net-Zero-Events Pledge and is part of the Science Based Targets Initiative.
- > Sustainability Reports published for Seasons 1-6.

EXAMPLES OF SUSTAINABILITY APPROACHES OF LEADING MOTORSPORT CHAMPIONSHIPS



FIA FORMULA ONE WORLD CHAMPIONSHIP



Slightly more surprisingly perhaps than the ABB FIA Formula E World Championship taking the top spot, is the FIA Formula One World Championship taking the next highest position, scoring second overall in the ranking. Throughout its 71 years and counting, Formula One's journey has not always been a sustainable one, but the championship has certainly evolved and adapted over the years, putting sustainability at the forefront of many of the organisation's decisions and initiatives in recent years. Among the many achievements that earned Formula One the second place in this study is the emphasis the championship has placed on sustainability in relation to its social, and most recently environmental impact, and to disclosure of its efforts. With a total of 23 events during the 2021 season, the strides Formula One has made to embrace and integrate sustainability throughout the organisation are commendable.

In recognition of its efforts and achievements in the area of environmental sustainability, this championship earned the FIA's 3-Star Environmental Accreditation. As part of Formula One's ambitious target to achieve net-zero by 2030, as is stated in their Sustainability Strategy, the championship is taking actionable steps towards minimising its environmental impact and carbon footprint, including powering all its headquarters with 100% renewable energy, trialling a carbon neutral broadcast centre during the British F1 race, and operating a policy of weight reduction for its freight.

Formula One has also been committed to leveraging its platform for good for over a decade. Committed to giving school children access to a STEM-based education, Formula One offers 1 million children from around the world an opportunity to participate in its annual STEM competition. Furthermore, Formula One's non-executive chairman Chase Carey has pledged \$1 million to fund engineering scholarships.

When the Covid-19 pandemic hit the world by storm in 2020, Formula One responded by joining 'Project Pitlane', an initiative spearheaded by various motorsport stakeholders, which provided 20,000 ventilators to the National Healthcare System (NHS) in the UK.

While there is still room from improvement, Formula One has come a long way on its journey towards a sustainable future, elevating its level of engagement and setting the pace for other stakeholders to follow suit.

HIGHLIGHTS OF THE SUSTAINABILITY PERFORMANCE OF FIA FORMULA ONE WORLD CHAMPIONSHIP:

CERTIFICATIONS:

- > Disclosed tracking and measuring carbon footprint using a certified carbon calculator or CDP.

ACCREDITATIONS AND AWARDS:

- > Formula One has achieved FIA 3-Star Environmental Accreditation.

SOCIAL CRITERIA:

- > Formula One in Schools Programme, introduced in 1999, is currently operational in 40 countries.
- > Over 1 million pupils have access to the F1 STEM Challenge every year.
- > The Formula One platform was made available to 8 W-Series races in 2021.
- > Formula One Teams provided the NHS with over 20,000 ventilators as part of the "Project Pitlane" Covid-19 response.

ENVIRONMENTAL CRITERIA:

- > Formula One has been running hybrid engines since 2014, achieving high thermal efficiency and reducing the fuel needed to finish a race by over 50% compared with the previous generations of engines.
- > Formula One has eliminated plastic bottles for staff, pledging to eliminate 1 million single-use plastic bottles in 2021.
- > Formula One's headquarters is powered by 100% renewable energy.
- > 70 tonnes of freight have been removed due to a Remote Technical Centre, reducing technical cargo by 34% and 36% in staff travel.
- > Conducting biofuel research and using 50% biomethane to power media centre.
- > The broadcast centre at the Silverstone F1 Grand Prix 2021 was carbon neutral and part of the SkyZero documentary on how sport can reduce its environmental footprint.

ENGAGEMENT AND PARTNERSHIPS:

- > Portion of apprenticeship levy used to support education and training for local businesses.

SUSTAINABILITY APPROACH:

- > Published its Sustainability Strategy in 2019, committing to targets by 2025 and 2030.
- > Formula One has published a Code of Conduct and an Environmental Policy.
- > Formula One is a signatory of the UNFCCC Sports for Climate Action Framework

EXAMPLES OF SUSTAINABILITY APPROACHES OF LEADING MOTORSPORT CHAMPIONSHIPS



FIM WORLD CHAMPIONSHIP GRAND PRIX (MOTO GP)



Coming in third overall, but first among all two-wheel championships analysed, is the FIM World Championship Grand Prix. As an FIM-sanctioned Championship, the Moto GP adheres to all the requirements outlined in the FIM Environmental Code, ensuring compliance at all 18 Moto GP events conducted during the 2021 season. Committed to minimising the environmental impact of its events, the Championship ensures recycling and waste containers for proper disposal of tyres and fluids are in place at each event. Additionally, Moto GP has begun to explore biofuels as a potential fuel source for future events.

Moto GP is also committed to supporting social development initiatives, locally and globally. The Championship has built its own foundation called 'Two Wheels for Life', which raises funds for African doctors, helping them gain access to, and provide care for, rural communities. On a more local level, Moto GP supports Keep It Shiny and Sustainable (K.I.S.S.), an initiative promoted by the FIM, with initiatives taking place in local communities during event weekends. Altogether, through their environmental and social initiatives, Moto GP is noticeably gaining ground in this race towards a sustainable future.

HIGHLIGHTS OF THE SUSTAINABILITY PERFORMANCE OF FIM WORLD CHAMPIONSHIP GRAND PRIX (MOTO GP)

CERTIFICATIONS:

- > In compliance with the FIM Environmental Code.

SOCIAL CRITERIA:

- > Built a foundation called 'Two Wheels for Life', which raises funds for African doctors, helping them gain access to, and provide care for, rural communities.
- > Supports K.I.S.S., an initiative promoted by the FIM, by supporting initiatives that take place in local communities during event weekends.

ENVIRONMENTAL CRITERIA:

- > Installs recycling and waste containers for proper disposal of tyres and fluids at each event.
- > Implemented sound regulations for speakers and engines.
- > Has begun to explore biofuels as a potential fuel source for future events.

OTHER NOTABLE MENTIONS:

EXTREME E

After just a brief time since entering the scene, Extreme E came in fourth overall in the SChI™. Founded in 2018, and with its inaugural Season getting underway in 2021, Extreme E launched with an ambitious platform built on sustainability. The FIA-sanctioned off-road Championship is a signatory of the UN Sports for Climate Action Framework. Setting its goals high from the onset, Extreme E has neutralised its carbon footprint well before its first season, committing to measuring, tracking, and disclosing their activities through a partnership they have forged with a third-party. This championship has also formed an alliance with major universities, which are part of its scientific committee, committed to ship all equipment by boat (the St. Helena) and showcase local climate change campaigns during each race. In October 2021, Extreme E received The Sustainability Award at the Leaders Sports Awards, in recognition for its efforts in the sports and sustainability field.

Although a great demonstration of sustainability leadership and best practice, this championship only offers 5 rounds per year, making their sustainability impact with stakeholders, local communities and promoters very limited compared to 12 races of the leader, ABB FIA Formula E, or 18 races of Moto GP. Finally, it also needs to be noted that the championship also benefits from the best practice developed by the leader of our scoreboard, showing how sharing best practice between championships can accelerate the transition to sustainability.

FIA WORLD TOURING CAR CUP

Coming in fifth position overall in the SChI™ ranking, FIA World Touring Car Cup (WTCR) has demonstrated that when it comes to sustainability, the race is on. The championship has partnered with a third-party promoter that has a 3 Star FIA Environmental Accreditation to run each of their events, thereby ensuring the highest industry standards. A UN Sports for Climate Action Framework signatory, the WTCR has committed to using 15% biofuel as of 2021, with the goal of using 100% biofuel by 2023.

NASCAR CUP SERIES

With a total of 36 events in a single season, the environmental impact of the Nascar Cup Series is no doubt extensive. It is for this very reason perhaps that the championship has increasingly put social and environmental sustainability at the forefront of many of its activities, on and off the track. On the track, the Nascar Cup Series uses 15% biofuel, and many Nascar tracks are powered by renewable energy. The Nascar Cup Series has also recycled a total of 120,000 tyres per year and offers oil recycling and refining services at its events. An estimated 25 million bottles and cans were recycled since 2008. Off the track, through its many community-focused initiatives, Nascar has demonstrated a commitment to fostering diversity and inclusion throughout its ecosystem. Nascar's Diversity Internship programme offers college students from diverse backgrounds the opportunity to gain practical experience within the motorsport industry. Nascar has also founded the Nascar Foundation, which has so far donated nearly 40 million dollars, helping more than 1.4 million children in need.

FIM WOMEN'S ENDURO WORLD CHAMPIONSHIP

Scoring highest among the Women's motorsport racing championships is the FIM Women's Enduro World Championship. In addition to providing a platform that promotes women, in a sport where women are vastly under-represented, the FIM Women's Enduro World Championship is putting sustainability at the heart of its activities. As an FIM-sanctioned event, the championship complies with the FIM Environmental Code, ensuring the highest standards at all events. Going beyond compliance alone, the championship has demonstrated a clear commitment to measuring and offsetting its carbon emissions. In line with this effort, the championship planted 4,000 trees during their race in France.

W SERIES

Another notable series that is narrowing the gender-gap and putting women in the drivers' seat within motorsport is the W Series. Launched in 2018, the all women-driver series championship provides equal opportunities for women to get in the race. Free-to-enter, the series eliminates the financial barriers that have historically deterred women not only from competing, but also from progressing to the upper tiers of motorsport. With the financial barrier removed, the W Series offers women a fair and equal racing environment that attracts and shines the light on the most talented drivers, rather than those that come with the greatest financial backing. Aside from social criteria, W Series is starting to incorporate some environmental best practice into other areas of the championship. A UNFCCC Sports for Climate Action signatory, the series' double-header season finale 2021 was supplied with 100% recyclable water cartons, made from 95% sustainably sourced wood fibre, in an attempt to disrupt the flood of plastic waste in the environment.

IN THIS RACE TOWARDS A SUSTAINABLE FUTURE

THE TIME TO ACCELERATE (TOGETHER) IS NOW

In motorsport, like in all sports, keeping score, striving for excellence, and competing to win is what the race is all about. It is what pushes athletes to be their best. It is what motivates fans to cheer for their team. And it is what drives teams to compete to win. When it comes to matters related to the environment, social and economic development however, there is no single winner or single winning approach. Whilst the Sustainable Championships Index™ is indeed a ranking that can be likened to a leaderboard in sports, the aim of this study is not to compare how stakeholders measure-up versus one another. Rather, the aim of this report is to establish a benchmark and showcase best practice that empowers championships with the knowledge and tools to assess their own sustainability efforts, identify areas for improvement, share best practice and implement changes that will lead to more sustainable practices moving forward.

The author of this study recognises that the complexity of implementing a sustainability strategy increases with the sheer size and scope of a championship. Simply put, the more races a championship has, and the longer its history and legacy, the more challenging it can be to change course and to achieve sustainable transformation.

The findings in this study illustrate that while sustainability is being embraced by a few championships, with more than half reviewed in this study appearing in the bottom performance tiers, there are still far too many that are not engaging with sustainability in a meaningful way. Based on these findings it is clear there is a need for collaboration and sharing of best practice, as well as for an increase in public disclosure of sustainability practices across the industry.

As the leaders in this study have shown, by applying a holistic approach to sustainability that addresses all ESG dimensions, other series can and will elevate their overall sustainability performance. Furthermore, by disclosing sustainability-focused initiatives, sharing best practice, and channelling the industry's expertise in technology and innovation towards sustainability, the sustainability performance of motorsport can be elevated industry wide. What is paramount is not where an organisation is positioned in this journey, but that they are engaging with sustainability and disclosing their efforts, with the goal of improving their performance along the way.

Although the leading championships identified are making significant strides and raising sustainability standards for the industry, the results have shown there is still room for improvement even at the top of this ranking. Overall, the findings in this report highlight the importance for all stakeholders to work together to improve and elevate sustainability practices and disclosure across the industry.

The latest IPCC report came with a warning, but it also came with a message of optimism, stating that "human actions still have the potential to determine the future course of climate¹³". Empowered with the knowledge of what has been done, along with a roadmap for the way forward, motorsport championships and their ecosystems are well positioned to rise to the challenges of today, in order to create a more sustainable future for tomorrow.

NOTE:

The second edition of this report, updating the Sustainability Championships Index™, will be published by March 2023. As explained in the methodology, the Index will only consider data that is publicly disclosed.

Source:
¹³<https://www.ipcc.ch/report/sixth-assessment-report-working-group-i/>, accessed between July and November 2021.

THE SUSTAINABLE MOTORSPORT INDEX™

Following the motto of “If you cannot measure it, you cannot improve it”, the Sustainable Motorsport Index™ (SMI™) assesses and measures Motorsport stakeholders’ sustainability performance against the UN SDGs and the ESG framework.

An industry first, the SMI™ is the only global performance system of its kind, benchmarking and comparing stakeholders of different categories (circuits, teams, championships, partners, etc.) based on publicly disclosed data. Through this approach, the level of sustainability data disclosure on the part of organisations becomes a factor in and of itself. The findings within the reports identify best practice of leaders, giving other key stakeholders the possibility to learn about best practice that they could in turn adopt and implement. The SMI™ uses carefully calibrated indicators and third-party validation by industry experts to provide comprehensive and balanced comparison across five broad areas: Environment; Social; Certifications; Sustainability Approach and Engagement; Accreditations and Awards.

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Paolo Taticchi is Professor of Strategy and Sustainability and School’s Deputy Director at UCL School of Management. In addition to his work at UCL, Paolo is a visiting Professor at Imperial College London. His work on corporate sustainability is internationally recognised, having authored over 50 academic journals, and edited and co-authored several books published internationally by Springer. His latest book, published in January 2021, is titled “Corporate Sustainability in Practice”. Paolo is regularly invited to give keynote talks at world-class academic, governmental and industry events. His projects, quotes and opinions have been featured over 200 times in media outlets like The Financial Times, Forbes, Sole 24 Ore, Sky News, Mediaset and CNN. In 2021, Paolo was named by Italy’s leading business daily Sole 24 Ore as the most influential Italian under the age of 40. For further information: www.paolotaticchi.com

ABOUT THE AUTHOR

Enovation Consulting is a leading sustainability and strategic management agency, driving the sustainability movement forward in the motorsport and sport industries.

Founded in 2018 by motorsport engineer and sustainability expert Dr. Cristiana Pace, Enovation Consulting works with sport and motorsport stakeholders to provide a sustainable, strategic long-term approach to building value for companies, people and planet. Creativity, innovation, research and data-based solutions are the driving forces behind Enovation Consulting's approach to working with clients, with the aim to empower organisations with the knowledge they need to integrate sustainability into their business strategy, delivering on their short-medium, and long-term Environmental, Social and Governance (ESG) goals.

Enovation Consulting Ltd. runs two not-for-profit initiatives, the well-known Sustainable Motorsport Index™, measuring the global sustainability performance of motorsport stakeholders, and Thursday for the Future, focussing on providing access to the industry for the younger generation.

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APPENDICES

Appendix 1:

List of all surveyed championships in alphabetical order and nationality

| CHAMPIONSHIP NAME | NATIONALITY |
|--|----------------|
| ABB FIA Formula E World Championship | United Kingdom |
| AMA Supercross, FIM World Championship | North America |
| Asian Le Mans Series | Asia |
| CIK-FIA Karting World Championship | Europe |
| Deutsche Tourenwagen Masters (DTM) | Europe |
| Drift Masters European Championship | Europe |
| EuroNASCAR 2 | Europe |
| EuroNASCAR Pro | Europe |
| European Drag Racing Championship | Europe |
| European Hill Climb Road Racing Championship | Europe |
| European Le Mans Series | Europe |
| European Truck Racing Championship | Europe |
| Extreme E | United Kingdom |
| Ferrari Challenge Europe | Europe |
| Ferrari Challenge North America | North America |
| FIA African Rally Championship | Africa |
| FIA Asia-Pacific Rally Championship | Asia |
| FIA ASO Dakar | Asia |
| FIA Codasur Rally Championship | South America |
| FIA European Autocross Championship | Europe |
| FIA European Cup for Cross Country Bajas | Europe |
| FIA European Hillclimb Championship | Europe |
| FIA European Historic Rally Championship | Europe |
| FIA European Rally Championship | Europe |
| FIA European Rally Trophy | Europe |
| FIA European Rallycross Championship | Europe |
| FIA Formula 2 Championship | Europe |
| FIA Formula 3 Championship | Europe |
| FIA Formula One World Championship | United Kingdom |
| FIA Historic Hill Climb Championship | Europe |
| FIA International Hill Climb Cup | Europe |
| FIA Karting European Championship | Europe |

| CHAMPIONSHIP NAME | NATIONALITY |
|---|-------------|
| FIA Masters Historic Formula One Championship | Europe |
| FIA Middle East Rally Championship | Asia |
| FIA NACAM Rally Championship | Americas |
| FIA World Cup for Cross Country Bajas | Europe/Asia |
| FIA World Cup for Cross Country Rallies | Europe/Asia |
| FIA World Endurance Championship | Europe |
| FIA World Rally Championship | Europe |
| FIA World Rallycross Championship | Europe |
| FIA World Touring Car Cup | Europe |
| FIM ArenaCross World Championship | Australia |
| FIM ASO Dakar | Asia |
| FIM Bajas Veterans' Trophy | Asia |
| FIM Bajas World Cup | Asia |
| FIM Cross Country Rallies World Cup | Europe |
| FIM Cross Country Rallies World Cup - SSV | Europe |
| FIM Cross-Country Rallies World Championship | Asia |
| FIM E-Bike Enduro World Championship | Europe |
| FIM Endurance World Championship | Europe |
| FIM Enduro Open World Cup | Europe |
| FIM Enduro World Championship | Europe |
| FIM Europe Junior e-Motocross Championship | Europe |
| FIM Flat Track World Championship | Europe |
| FIM Hard Enduro World Championship | Europe |
| FIM Ice Speedway World Championship | Europe |
| FIM Junior Bajas World Cup | Asia |
| FIM Junior Enduro World Championship | Europe |
| FIM Junior Motocross World Championship | Europe |
| FIM Junior World Championship | Europe |
| FIM Long Track World Championship | Europe |
| FIM MiniGP World Series | Europe |
| FIM MotoE World Cup | Europe |
| FIM MotoGP Rookies Cup | Europe |





| CHAMPIONSHIP NAME | NATIONALITY |
|---|---------------|
| FIM Motorcross World Championship | Europe |
| FIM Oceania Speedway Championship | Australia |
| FIM Quads Bajas World Cup | Europe |
| FIM STGP SuperMoto World Championship | Europe |
| FIM Sidecar Motocross World Championship | Europe |
| FIM Sidecar World Championship | Europe |
| FIM Speedway Grand Prix World Championship | Europe |
| FIM Speedway of Nations | Europe |
| FIM Speedway Under 21 World Championship | Europe |
| FIM Speedway Youth World Championship | Europe |
| FIM SSV Bajas World Cup | Europe |
| FIM Superbike World Championship | Europe |
| FIM SuperEnduro World Championship | Europe |
| FIM Supersport 300 World Championship | Europe |
| FIM Trial E-Cup | Europe |
| FIM Trial World Championship | Europe |
| FIM Trial2 World Championship | Europe |
| FIM Women's Bajas World Cup | Asia |
| FIM Women's Enduro World Championship | Europe |
| FIM Women's Motocross World Championship | Europe |
| FIM Women's Trial World Championship | Europe |
| FIM World Championship Grand Prix (Moto GP) | Europe |
| FIM X-Trial World Championship | Europe |
| FIM Youth Enduro World Championship | Europe |
| Formula Regional Americas Championship | North America |
| Formula Regional European Championship | Europe |
| GT4 European Series | Europe |
| IMSA Mazda MX-5 Cup | North America |
| IMSA Michelin Pilot Challenge | North America |
| IMSA Prototype Challenge | North America |
| IMSA Weathertech SportsCar Championship | North America |
| Indy Lights | North America |

| CHAMPIONSHIP NAME | NATIONALITY |
|--|----------------|
| Indycar | North America |
| Intercontinental GT Challenge by Pirelli | North America |
| NASCAR Camping World Truck Series | North America |
| NASCAR Cup Series | North America |
| NASCAR Xfinity Series | North America |
| Pure ETCR | Europe |
| R-GT Cup | Europe |
| W Series | United Kingdom |
| Women's European Cup | Europe |

Appendix 2:

SChI™ (performance data normalised over the score of the leader)

| CHAMPIONSHIP NAME | CATEGORY OF PERFORMANCE | |
|---|---|---|
| ABB FIA Formula E World Championship |  |  |
| FIA Formula One World Championship |  | Corresponds to a LOW SChI™ SCORE |
| FIM World Championship Grand Prix (Moto GP) |  |  |
| Extreme E |  | Corresponds to a MEDIUM - LOW SChI™ SCORE |
| FIA World Touring Car Cup |  |  |
| NASCAR Cup Series |  | Corresponds to a MEDIUM SChI™ SCORE |
| NASCAR Xfinity Series |  |  |
| FIA European Rally Championship |  | Corresponds to a MEDIUM - HIGH SChI™ SCORE |
| Pure ETCR |  |  |
| FIM Enduro World Championship |  | Corresponds to a HIGH SChI™ SCORE |
| NASCAR Camping World Truck Series |  | |
| FIM Women's Enduro World Championship |  | |
| European Truck Racing Championship |  | |
| Intercontinental GT Challenge by Pirelli |  | |
| GT4 European Series |  | |
| Ferrari Challenge Europe |  | |
| FIM Endurance World Championship |  | |
| FIM MotoE World Cup |  | |
| FIM Junior Enduro World Championship |  | |
| FIM Women's Motocross World Championship |  | |
| FIM Women's Trial World Championship |  | |
| FIM Speedway Grand Prix World Championship |  | |
| FIM Superbike World Championship |  | |
| FIM Motorcross World Championship |  | |
| FIM Junior Motocross World Championship |  | |
| AMA Supercross, FIM World Championship |  | |
| FIM Trial World Championship |  | |
| FIM Speedway Youth World Championship |  | |
| FIM E-Bike Enduro World Championship |  | |
| FIA World Rally Championship |  | |
| FIA ASO Dakar |  | |
| FIM ASO Dakar |  | |

| CHAMPIONSHIP NAME | CATEGORY OF PERFORMANCE |
|--|---|
| FIM Women's Bajas World Cup |     |
| W Series |     |
| FIM Junior World Championship |     |
| FIM MotoGP Rookies Cup |     |
| FIM MiniGP World Series |     |
| FIM Sidecar World Championship |     |
| FIM Supersport 300 World Championship |     |
| FIM Sidecar Motocross World Championship |     |
| FIM ArenaCross World Championship |     |
| FIM S1GP SuperMoto World Championship |     |
| FIM Trial E-Cup |     |
| FIM X-Trial World Championship |     |
| FIM Trial2 World Championship |     |
| FIM Enduro Open World Cup |     |
| FIM Hard Enduro World Championship |     |
| FIM Youth Enduro World Championship |     |
| FIM SuperEnduro World Championship |     |
| FIM Cross-Country Rallies World Championship |     |
| FIM Cross Country Rallies World Cup |     |
| FIM Bajas World Cup |     |
| FIM Cross Country Rallies World Cup - SSV |     |
| FIM SSV Bajas World Cup |     |
| FIM Bajas Veterans' Trophy |     |
| FIM Quads Bajas World Cup |     |
| FIM Junior Bajas World Cup |     |
| FIM Flat Track World Championship |     |
| FIM Speedway of Nations |     |
| FIM Ice Speedway World Championship |     |
| FIM Speedway Under 21 World Championship |     |
| FIM Long Track World Championship |     |
| FIM Europe Junior e-Motocross Championship |     |
| FIM Oceania Speedway Championship |     |

| CHAMPIONSHIP NAME | CATEGORY OF PERFORMANCE |
|---|---|
| IMSA Weathertech Sportscar Championship |  |
| IMSA Michelin Pilot Challenge |  |
| IMSA Prototype Challenge |  |
| IMSA Mazda MX-5 Cup |  |
| Women's European Cup |  |
| FIA Masters Historic Formula One Championship |  |
| European Hill Climb Road Racing Championship |  |
| FIA Formula 3 Championship |  |
| FIA World Endurance Championship |  |
| Indycar |  |
| FIA Formula 2 |  |
| CIK-FIA Karting World Championship |  |
| Deutsche Tourenwagen Masters (DTM) |  |
| FIA World Rallycross Championship |  |
| Formula Regional European Championship |  |
| Formula Regional Americas Championship |  |
| European Drag Racing Championship |  |
| FIA Karting European Championship |  |
| FIA African Rally Championship |  |
| FIA Asia-Pacific Rally Championship |  |
| FIA Codasur Rally Championship |  |
| FIA Middle East Rally Championship |  |
| FIA NACAM Rally Championship |  |
| FIA European Rally Trophy |  |
| R-GT Cup |  |
| FIA World Cup for Cross Country Rallies |  |
| FIA World Cup for Cross Country Bajas |  |
| FIA European Cup for Cross Country Bajas |  |
| FIA European Rallycross Championship |  |
| FIA European Autocross Championship |  |
| FIA European Hillclimb Championship |  |
| FIA Historic Sports Car Championship |  |

| CHAMPIONSHIP NAME | CATEGORY OF PERFORMANCE |
|--|-------------------------|
| FIA International Hill Climb Cup | 🏆🏆🏆🏆 |
| FIA European Historic Rally Championship | 🏆🏆🏆🏆 |
| FIA Historic Hill Climb Championship | 🏆🏆🏆🏆 |
| EuroNASCAR Pro | 🏆🏆🏆🏆 |
| EuroNASCAR 2 | 🏆🏆🏆🏆 |
| Ferrari Challenge North America | 🏆🏆🏆🏆 |
| Drift Masters European Championship | 🏆🏆🏆🏆 |
| Indy Lights | 🏆🏆🏆🏆 |
| European Le Mans Series | 🏆🏆🏆🏆 |
| Asian Le Mans Series | 🏆🏆🏆🏆 |

Appendix 3:

List of all surveyed championships in alphabetical order and number of rounds/races and seasons in operation.

| CHAMPIONSHIP NAME | | NUMBER OF ROUNDS OR RACES | SEASONS IN OPERATION |
|--|--------|---------------------------|----------------------|
| ABB FIA Formula E World Championship | Races | 15 | 7 |
| AMA Supercross, FIM World Championship | Races | 17 | 48 |
| Asian Le Mans Series | Races | 4 | 9 |
| CIK-FIA Karting World Championship | Races | 7 | 57 |
| Deutsche Tourenwagen Masters (DTM) | Races | 8 | 21 |
| Drift Masters European Championship | Races | 4 | 4 |
| EuroNASCAR 2 | Races | 12 | 12 |
| EuroNASCAR Pro | Races | 12 | 12 |
| European Drag Racing Championship | Rounds | 6 | 24 |
| European Hill Climb Road Racing Championship | Rounds | 8 | 64 |
| European Le Mans Series | Races | 6 | 18 |
| European Truck Racing Championship | Races | 8 | 36 |
| Extreme E | Races | 5 | 1 |
| Ferrari Challenge Europe | Races | 14 | 28 |
| Ferrari Challenge North America | Races | 14 | 27 |
| FIA African Rally Championship | Races | 6 | 41 |
| FIA Asia-Pacific Rally Championship | Races | 0 - COVID | 34 |
| FIA ASO Dakar | Rounds | 12 | 43 |
| FIA Codasur Rally Championship | Races | 0 - COVID | 24 |
| FIA European Autocross Championship | Races | 10 | 40 |
| FIA European Cup for Cross Country Bajas | Races | 5 | 3 |
| FIA European Hillclimb Championship | Races | 8 | 64 |
| FIA European Historic Rally Championship | Races | 9 | 68 |
| FIA European Rally Championship | Races | 8 | 69 |
| FIA European Rally Trophy | Races | 25 | 8 |
| FIA European Rallycross Championship | Races | 6 | 46 |
| FIA Formula 2 Championship | Races | 8 | 4 |
| FIA Formula 3 Championship | Races | 7 | 3 |
| FIA Formula One World Championship | Races | 23 | 72 |
| FIA Historic Hill Climb Championship | Rounds | 12 | 91 |
| FIA Historic Sports Car Championship | Races | 7 | 50 |
| FIA International Hill Climb Cup | Races | 3 | 21 |

| CHAMPIONSHIP NAME | | NUMBER OF ROUNDS OR RACES | SEASONS IN OPERATION |
|---|--------|---------------------------|----------------------|
| FIA Karting European Championship | Rounds | 6 | 57 |
| FIA Masters Historic Formula One Championship | Races | 7 | 9 |
| FIA Middle East Rally Championship | Races | 5 | 37 |
| FIA NACAM Rally Championship | Races | 6 | 14 |
| FIA World Cup for Cross Country Bajas | Races | 9 | 19 |
| FIA World Cup for Cross Country Rallies | Races | 6 | 29 |
| FIA World Endurance Championship | Races | 7 | 9 |
| FIA World Rally Championship | Races | 13 | 49 |
| FIA World Rallycross Championship | Races | 9 | 8 |
| FIA World Touring Car Cup | Races | 8 | 3 |
| FIM ArenaCross World Championship | Races | 0 - COVID | 9 |
| FIM ASO Dakar | Rounds | 12 | 43 |
| FIM Bajas Veterans' Trophy | Races | 7 | 2 |
| FIM Bajas World Cup | Races | 7 | 10 |
| FIM Cross Country Rallies World Cup | Rounds | 5 | 21 |
| FIM Cross Country Rallies World Cup - SSV | Rounds | 5 | 18 |
| FIM Cross-Country Rallies World Championship | Rounds | 5 | 21 |
| FIM E-Bike Enduro World Championship | Races | 7 | 31 |
| FIM Endurance World Championship | Races | 4 | 42 |
| FIM Enduro Open World Cup | Races | 14 | 3 |
| FIM Enduro World Championship | Rounds | 8 | 32 |
| FIM Europe Junior e-Motocross Championship | Races | 10 | 1 |
| FIM Flat Track World Championship | Rounds | 4 | 2 |
| FIM Hard Enduro World Championship | Rounds | 7 | 1 |
| FIM Ice Speedway World Championship | Races | 2 | 27 |
| FIM Junior Bajas World Cup | Rounds | 7 | 10 |
| FIM Junior Enduro World Championship | Rounds | 6 | 16 |
| FIM Junior Motocross World Championship | Races | 2 | 14 |
| FIM Junior World Championship | Races | 8 | 8 |
| FIM Long Track World Championship | Rounds | 6 | 51 |
| FIM MiniGP World Series | Races | 8 | 1 |
| FIM MotoE World Cup | Races | 7 | 3 |

| CHAMPIONSHIP NAME | | NUMBER OF ROUNDS OR RACES | SEASONS IN OPERATION |
|---|--------|---------------------------|----------------------|
| FIM MotoGP Rookies Cup | Races | 14 | 15 |
| FIM Motorcross World Championship | Races | 54 | 65 |
| FIM Oceania Speedway Championship | Races | 0 - COVID | 2 |
| FIM Quads Bajas World Cup | Rounds | 7 | 10 |
| FIM S1GP SuperMoto World Championship | Rounds | 5 | 8 |
| FIM Sidecar Motocross World Championship | Races | 12 | 41 |
| FIM Sidecar World Championship | Races | 6 | 72 |
| FIM Speedway Grand Prix World Championship | Races | 11 | 27 |
| FIM Speedway of Nations | Races | 6 | 4 |
| FIM Speedway Under 21 World Championship | Rounds | 3 | 32 |
| FIM Speedway Youth World Championship | Rounds | 2 | 12 |
| FIM SSV Bajas World Cup | Rounds | 3 | 2 |
| FIM Superbike World Championship | Races | 13 | 33 |
| FIM SuperEnduro World Championship | Rounds | 3 | 13 |
| FIM Supersport 300 World Championship | Races | 16 | 4 |
| FIM Trial E-Cup | Races | 3 | 44 |
| FIM Trial World Championship | Races | 12 | 46 |
| FIM Trial2 World Championship | Races | 6 | 4 |
| FIM Women's Bajas World Cup | Rounds | 7 | 2 |
| FIM Women's Enduro World Championship | Rounds | 3 | 1 |
| FIM Women's Motocross World Championship | Races | 12 | 16 |
| FIM Women's Trial World Championship | Races | 1 | 21 |
| FIM World Championship Grand Prix (Moto GP) | Races | 18 | 19 |
| FIM X-Trial World Championship | Races | 2 | 28 |
| FIM Youth Enduro World Championship | Rounds | 6 | 16 |
| Formula Regional Americas Championship | Races | 18 | 4 |
| Formula Regional European Championship | Races | 12 | 3 |
| GT4 European Series | Races | 12 | 14 |
| IMSA Mazda MX-5 Cup | Races | 14 | 17 |
| IMSA Michelin Pilot Challenge | Races | 11 | 8 |
| IMSA Prototype Challenge | Races | 6 | 16 |
| IMSA Weathertech Sportscar Championship | Races | 13 | 51 |

| CHAMPIONSHIP NAME | | NUMBER OF ROUNDS OR RACES | SEASONS IN OPERATION |
|--|-------|---------------------------|----------------------|
| Indy Lights | Races | 20 | 35 |
| Indycar | Races | 16 | 26 |
| Intercontinental GT Challenge by Pirelli | Races | 3 | 6 |
| NASCAR Camping World Truck Series | Races | 22 | 27 |
| NASCAR Cup Series | Races | 36 | 73 |
| NASCAR Xfinity Series | Races | 33 | 40 |
| Pure ETCR | Races | 5 | 1 |
| R-GT Cup | Races | 5 | 7 |
| W Series | Races | 8 | 3 |
| Women's European Cup | Races | 6 | 2 |



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