



OC Award for Excellence in Sustainability 2024 – Shortlist

Winner: OC Oslo/ Holmenkollen

ORGANIZING COMMITTEE ARBER – Energy efficiency and savings, as well as the use of renewable energy at the IBU Cup Arber

Energy-Efficient Snowmaking: Snow production and track preparation were concentrated on days with optimal weather conditions, maximizing the efficiency of water, electricity, machinery and staff resources.

Renewable Energy: The entire facility and snowmaking system used green electricity, while parts of the buildings were equipped with photovoltaic systems to generate solar power.

Resource Efficiency: An additional snow depot ensured sufficient snow throughout the season, while a new dishwasher significantly reduced water consumption in the catering area.

Impact: Optimized snowmaking produced around 25% more artificial snow than the previous season relative to the energy used, providing enough snow to support three additional junior and youth competitions.



ORGANIZING COMMITTEE HOCHFILZEN – Climate-friendly and sustainable!

Regional Partnerships: The event prioritized local partners, suppliers, staff and volunteers, supporting the regional economy while reducing transport-related emissions.

Sustainable Operations: Reusable and recyclable tableware, waste separation and recycling helped reduce plastic use. Renewable energy and woodchips were used for energy and heating, while almost all printed materials were replaced by digital alternatives.

Climate-Friendly Mobility: Spectators were encouraged to use the train station directly in Hochfilzen and climate-friendly shuttle buses. A dedicated school day also promoted arrival by public transport for students from Tyrol and Salzburg.

Awareness & Engagement: Sustainability workshops, spectator information and cooperation with companies holding the Austrian Eco-label supported a broader commitment to making the event more climate-friendly and sustainable.



ORGANIZING COMMITTEE LENZERHEIDE – World Cup Ticket Dec. 2023: All Public Transports in Switzerland were included.

The 2023 Lenzerheide Biathlon World Cup integrated Switzerland's entire public transport network into the event ticket, allowing visitors to travel free of charge to and from the event.

Sustainable Mobility: The initiative aimed to reduce private car use, lower CO₂ emissions and minimize the land required for parking, while encouraging more sustainable travel behaviour among spectators.

Strong Impact: Around 60% of visitors used public transport, while 10% travelled by foot or bicycle. With approximately 22,500 participants, visitor travel emissions were estimated at around 180 tonnes of CO₂.

CO₂ Reduction: Compared with a scenario where 60% of visitors travelled by car, the initiative reduced visitor-related CO₂ emissions by approximately 50%.



ORGANIZING COMMITTEE OSLO – CO₂ emission reduction

OC Oslo implemented two measures to further reduce CO₂ emissions from event infrastructure, focusing on the transport of temporary waxing cabins and the heating of the VIP tent.

Foldable Waxing Cabins: Traditional waxing cabins were replaced with foldable models, increasing transport capacity from 2 to 10 cabins per truck. For 90 cabins, this reduced the required number of trucks from 45 to 9, resulting in an estimated 80% reduction in transport-related CO₂ emissions.

Renewable Heating: The VIP tent switched from diesel heating to renewable electricity and pellets. The new system is fully fossil-free and achieves approximately 90% lower CO₂ emissions compared to diesel heating.

Overall Impact: Building on OC Oslo's existing use of 100% renewable electricity, the measures demonstrate how innovative logistics and renewable technologies can significantly reduce the environmental impact of temporary event infrastructure.



ORGANIZING COMMITTEE RIDNAUN – Digitalization of the biathlon stadium including the slopes

OC Ridnaun digitized the biathlon stadium and courses, enabling virtual planning and more precise preparation of competition tracks. This reduces the resources required for event preparation and winter operations.

Optimized Courses: By revising the course layout and reducing unnecessary sections, the total amount of artificial snow required was significantly reduced. The digital model also allows the required snow volume to be calculated in advance, improving efficiency and reducing preparation time.

Resource Savings: The redesigned courses provide all required competition distances from 1 km to 4 km within a total course length of 4,284 m, while saving approximately 1,500 m³ of snow annually.

Environmental & Economic Impact: The initiative saves around €6,000 per year and approximately 1,000 kg of CO₂ emissions from snow production, while also reducing water and electricity consumption.

