



## 2021 WORLD ROWING CUP III – SABAUDIA ENVIRONMENTAL SUSTAINABILITY

### **WORLD ROWING CUP**

The World Rowing Cup is a world class rowing competition since 1997. The competition takes place every year in three international cities. The municipal administration of Saubaudia, to enhance the sporting identity of the territory has activated a series of activities to promote sports and sports tourism, presented its candidacy to host one of the trials of this important international event, supported by the Regione Lazio, by CONI and the Italian Rowing Federation. In June 2018, the Board of FISA awarded the first stage of the 2020 Rowing to Saubaudia, inserting the city in an international context, capturing the attention of stakeholders and media from all over the world. From 10 to 12 April 2020, Saubaudia will host the World Rowing Cup I which will see the participation of about 40 National Team, with 500 athletes, 150 connected televisions and live broadcasts, about 200 professionals and many supporters. The important involvement of athletes and supporters requires a professional organization to create the structures and services needed for the event and for the creation of structures and services necessary for the event and the coordination of all tourist activities.

### **STRATEGY AND SUSTAINABILITY POLICY OF THE ORGANIZING COMMITTEE**

The OC will adopt the FISA sustainability policies defined in the "ENVIRONMENTAL SUSTAINABILITY POLICY AND GUIDELINES", an integral part of the FISA MANUAL - ed. 2017, sharing the importance of the environmental, social, cultural and economic impact of the Rowing World Rowing Cup.

The OC is committed to supporting the principles of sustainability and environmental protection:

- protection of the habitat of the fauna, flora and biodiversity;
- conservation of both renewable and non-renewable resources;
- reduction of waste and pollutants in all their forms;
- recognition of the importance of heritage for future generations and local cultural values;

- promotion of health and safety conditions for athletes, staff, volunteers and spectators participating in the sporting event;
- introduction in the rowing community of knowledge and principles of sustainable development.
- follow as a working method the PLAN IMPLEMENT, CHECK AND REVIEW approach in order to ensure the control of the actions and the incremental improvement in all phases of the event;
- take the instructions established by FISA with regard to environmental protection as a formative and informative reference to all members of the organization;
- prepare an evaluation on the actual achievement of the objectives defined at the end of the event.

The OC task will also be to inform stakeholders, with the aim of raising public awareness of waste and reducing energy consumption. To pursue the guiding principles of the FISA Policy in the organization and management of the Sabaudia 2020 - World Rowing Cup, the OC intends to follow the priorities:

- disseminating the principles of sustainability, promoting the adoption of good practices by human resources and the use of eco-sustainable products and materials;
- minimize the use of the paper by transferring knowledge and information mainly with Digital tools;
- provide for the design, assembly and disassembly of temporary removable structures in order to minimize the impact on the ecosystem on which they are located;
- promote the economic development of the local community by creating a future economic value.

## **ENVIRONMENTAL SUSTAINABILITY**

The Environmental Plan follows the FISA guidelines dividing into the following thematic areas:

- A. Natural environment;
- B. Environmental management system, involvement and communication;
- C. Energy sustainability and air quality
- D. Sustainable management of waste and materials
- E. Social, cultural and economic sustainability

Particular attention was paid to compliance with the regulations concerning the environmental protection of the area located within the Circeo National Park and containing Ramsar, ZPS IT6040015 and SIC areas included IT6040013, IT6040014, IT6040018.

## **A. NATURAL ENVIRONMENT**

The preservation of the natural environment is particularly important for the success of the event because the competition takes place within the protected areas of the Circeo National Park.

So there are necessary measures to protect the environment during the event:

- protect the water quality of water bodies and encourage the limitation of drinking water consumption, for washing boats and for catering (A1);
- preserve the quality of the soil (A2);
- implementing choices compatible with the presence of protected areas in the context in which it operates (A3);

### **A.1 QUALITY AND USE OF WATERS**

The FISA guidelines provide indications about the aspect related to the use of water (potable use, use related to the cleaning of boats and to the restaurant) and that related to the water quality Lake of Sabaudia “Lago di Paola”

#### **A.1.1 WATER SAVING**

To limit water consumption the Organizing Committee will promote some good practices:

- application to the taps and showers of flow reducers that replace the normal jet breaker and are capable of fragmenting water into tiny particles by mixing them with air. The volume of the jet remains full-bodied and comfortable, consuming about half of the water and guaranteeing the maintenance of the same outlet pressure, despite the lower flow rate;
- in order to promote correct attitudes that limit as much as possible the waste of the water resource, a series of ad hoc training meetings have been scheduled for the technical organizing staff and the participants in the rowing competitions.

#### **A.1.2 WATER QUALITY**

##### **Monitors**

In accordance with the guidelines established by the FISA, agreements have been made

between the Organizing Committee of the World Rowing Cup I and the Lazio ARPA Section of the Province of Latina for water analysis relating to the chemical / microbiological parameters Lake of Sabaudia (Escherichia coli, ph , NH<sub>4</sub>, NO<sub>3</sub>, NO<sub>2</sub>, COD) in the two days before and after the competition. The results of the monitoring will be displayed during the event so that the information is available to the participants, the medical staff and FISA. In addition, ARPA Lazio promotes a monitoring campaign of chemical, physical and microbiological parameters, conducted at various points in the Lake of Paola. In the Report of the State of the Environment published annually on the site of Arpa Lazio it is possible to find the classification of the water quality of the monitored water bodies, including Lake of Paola.

### **Precautionary measures**

To prevent any form of pollution of the water body, the following precautionary measures will be implemented:

- a) the washing waters of the boats will be conveyed into the sewer system excluding any contact with the waters of the lake;
  - b) to prevent accidental spills, the fuels of the motorboats will be stored on the ground in special tanks maintaining a safe distance from the water body in a dedicated place, having a sand floor to improve containment / absorption of any fuel leaks;
  - c) the boats will be equipped with nautical engines with low environmental impact;
- in order to minimize other environmental impacts, detergent products will comply with certain technical specifications:
- all the surfactants used in the product must be rapidly biodegradable even in anaerobic conditions;
  - the product must not contain the following ingredients, neither as components of the formulation, nor any preparation included in the formulation: alkylphenoethoxylates (APEO) and its derivatives, EDTA (ethylenediaminetetracetate) and its salts, nitrogen mosses and polycyclic musks;
  - to Directive 67/548 / EEC and subsequent amendments or Directive 1999/45 / EC of the European Parliament and the Council<sup>13</sup> and subsequent amendments, the products used must not contain ingredients (substances or preparations) classified or classifiable with one of the following risk phrases (or a combination thereof), in an amount that exceeds 0.01% of the weight of the final product:
    - R40 (possibility of carcinogenic effects - insufficient evidence), R45 (can cause cancer);
    - R49 (can cause cancer by inhalation);
    - R46 (can cause hereditary genetic alterations); - R60 (can reduce fertility);

- R61 (may damage the fetus);
- R62 (possible risk of impaired fertility);
- R63 (possible risk of damage to the fetus);
- R50-53 (highly toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment);
- R51-53 (toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment); - R59 (dangerous for the ozone layer);
- R68 (possibility of irreversible damage).

The presence on the product of the European Ecolabel (EC Reg. No. 66/2010) constitutes a guarantee of compliance with the specifications listed above.

## A.2 SOIL QUALITY

The second objective with regard to the theme of natural environment corresponds to the quality of the soil, considering the aspect of pollutants and the risk of compaction.

### A.2.1 Contamination

To limit the possibility of infiltration and / or pollution of the soil element, the OC has provided for the implementation of some good practices already described for the protection of water, linked both to the identification of the areas in which potentially polluting products are used, and to the choice of products that are as low as possible for the environment (see paragraph A.1.2).

### A.2.2 Compaction

The intention of the OC to limit the compaction of the soil that compromises the ecological functionality of the same, is attested by the conscious choice to locate the reception facilities and support the competition in places already highly anthropized. Also the indications relating to the order of use of the parking lots goes in the same direction: the instructions given to the staff that will regulate access to the car parks will be to first occupy the parking areas in places already highly anthropized.

## A.3 PROTECTED AREAS

The third objective with regard to the theme of natural environment corresponds to the management of activities with respect to the presence of protected areas. The following describes all the measures that will be applied by the OC in order not to produce negative impacts on the SPA IT6040015 and SIC IT6040013, IT6040014, IT6040018, where the competition and activities related to the event fall. Next, insert a photo showing the perimeter relating to the SPA and the SIC annexes as shown in the table below.



#### Legenda

	Limite Parco Nazionale del Circeo
	Zone di Protezione Speciale
	Riserve Naturali Statali
	Zone Ramsar
	Siti di Importanza Comunitaria

#### A.3.1 Evaluation of activities related to the conduct of the competition

The OC will submit to the assessment procedure with the Circeo National Park Authority all the activities connected with the conduct of the competition, committing to respect all the requirements that the Ente Parco del Circeo and Carabinieri Forestali, , they will want to propose. In the spirit of collaboration between local authorities, preliminary meetings were organized with the organizations in order to agree on certain actions in advance, verifying compatibility with the environmental aspect.

#### A.3.2 Good Practice

To reduce as much as possible the impacts on protected areas near Lake of Sabaudia, the OC will follow the behavioral policy:

a) the first washing of the boats used in the competition will be carried out at a safe distance from the coastline near the public baths, using products capable of eliminating any alien micro-organism potentially present on the surface of the boats, avoiding the possibility of harmful biological contamination for the lake ecosystem. The waste water from the first wash will be conveyed into the sewage system;

- b) structures already in place will be used, positioned for the rowing sports groups that normally exercise on the Lake of Sabaudia;
- c) the tourist attraction events connected with the rowing event will be exclusively diurnal in order to cause as little disturbance as possible to the faunal component;
- d) visitors and participants in the races will be directed to areas that have already been anthropized;
- e) the use of motor catamarans minimizes noise pollution and maintains a moderate pace that does not produce excessive swell, thus ensuring the protection of bird nests. It should also be noted that all the engines used are four-stroke, improving performance and decreasing fuel consumption.

Goal	Practices	L Guide Lines FISA
A.1 QUALITY AND USE OF WATERS	A.1.1 Water Savage	3.6 promote good practices to limit water consumption
	A.1.2 Water quality	3.5a promote the use of biodegradable detergents; 3.5c refuel safely in order to prevent water pollution; 3.5d carry out water quality analysis also monitoring bacteriological parameters; 3.5e make the data relating to water quality available to interested parties; 4.5a guaranteeing compliance with the bacteriological parameters of current legislation; 4.13a minimize the impacts on the aquatic habitat; 4.5e guarantee the elimination of vegetation that could compromise the correctness of the course of the competitions.

A.2 SOIL QUALITY	A.2.1 contamination	6.7b avoid the infiltration of toxic substances
	A.2.2 compaction	6.7a avoid soil compaction
A.3 PROTECTED AREAS	A.3.1 Evaluation of activities related to the conduct of the competition	3.8a provide all the necessary measures to mitigate / cancel any negative interaction on flora and fauna.
	A.3.2 Good Practies	3.8b impedire l'accesso di partecipanti/visitatori nelle aree di maggior pregio naturalistico. 3.8c minimizzare inquinamento e rumore, 3.8d effettuare il primo lavaggio prima di immettere le barche in acqua per evitare qualsiasi contaminazione biologica. 3.8e effettuare un primo lavaggio prima di immettere le barche in acqua per evitare qualsiasi contaminazione biologica.

## **B COORDINATED MANAGEMENT OF SUSTAINABILITY ASPECTS OF THE EVENT**

In the coordinated management of the event, it is important to identify a reference figure who collaborates with the manager of the environmental management system in monitoring and controlling all the activities related to sustainability.

### **B.1. Identification of an operational referent for sustainability**

Designation of an operational representative for sustainability with tasks of information, control and monitoring of the correct application of the plan during the event.

### **B.2 Staff training**

The staff employed in the areas required in the competition, in addition to that necessary for the structures and maintenance, consists of volunteers and / or human resources. The volunteers are recruited both from the Rowing Society of the territory, and in the high schools of the province, by virtue of their specific experience and their "seniority", roles are assigned for which they receive appropriate training. All members will be made aware of the sustainability issues of the event, in relation to the task performed and in order to release the necessary information in case of need, during the training on the Event area 10-15 days before the Event.

### **B.3 CONSULTATION OF THE LOCAL COMMUNITY AND STAKEHOLDERS**

The relationships with the local community are managed directly by the OC which will have as interlocutors: the FISA, the International Federations, the athletes, the families of the athletes, the local community, the tourists and the tourism industry (hoteliers, restaurateurs, traders, merchants, transport) Institutions, trade associations, sponsors and event suppliers, local, national and international media. The objective of the OC is to raise awareness and motivate all the participants at the event, representing the importance of the sustainable management system and guiding and guiding the process for the efficiency of the system.

### **B.4 COINVOLGIMENTO, SENSIBILIZZAZIONE E COMUNICAZIONE**

Il OC si impegna a sensibilizzare tutte le parti interessate all'evento attraverso un piano di comunicazione interna ed esterna che generi consapevolezza dell'importanza della manifestazione ed entusiasmo alla partecipazione.

## **B.5 ENERGY SUSTAINABILITY AND AIR QUALITY**

The level of environmental sustainability of a territory cannot be separated from the implementation by the local community of a policy of energy sustainability and improvement of air quality. In the provincial territory, energy sustainability and air quality improvement policies are regulated by European, national and regional thematic plans.

The Regional Energy Plan - PER Lazio, with Dgr n.656 of 17/10/2017 and provides for an analysis of the regional energy balance identifying strategic objectives and scenarios, policies and programming for the development of renewable energy sources and improving efficiency energy also through the periodic monitoring and updating of the PER for the purpose of verifying the pre-established objectives and to implement possible corrective actions. For the quality of the air the Lazio Region has adopted the DGR n.536 of 15/09/2016 producing a zoning of the regional territory and a classification of the areas in order to take measures to improve their air quality. These Plans, which are the reference point for all the subjects operating in the area (Provinces, Municipalities, companies, schools, associations, etc.), identify the following priorities for action:

- infrastructures for energy supply, storage, production and distribution;
- renewable energy for the production of electricity and heat from FER;
- energy savings with energy saving and efficiency in the end use sectors;
- energy efficiency of processes and products;
- filiera energetica, supply chain per la sostenibilità energetica;
- energy supply chain, supply chain for energy sustainability;
- addresses to local authorities and reduction of climate-changing emissions
- more sustainable road transport and mobility (encouraging the spread of GPL and electric vehicles; limiting the circulation of the most polluting vehicles; strengthening rail infrastructure and services, improving and integrating public transport systems, encouraging and supporting the Mobility management policies, promoting cycling mobility, applying ICT technologies, optimizing freight transport activities through integration with navigable systems and urban logistics, implementing the Regional Mobility and Transport Program);
- containment of emissions from stationary sources (reduction of emissions of woody biomass for civil use, development of biomethane production,

- reduction of emissions from civil heating systems, reduction of emissions from industrial plants, reduction of COV emissions from industrial plants to high emissions, monitor industrial emissions, reduce the pollution of urban waste incinerators, etc.);
- containment of emissions from agricultural and forestry activities (contain ammonia emissions through managerial and technological processes, produce energy from renewable sources, implement agricultural practices with low environmental impact, carry out forestry and arboriculture actions, promote actions for the realization of plant structures linear, support the regional Ecological Network, support the forest-wood-energy supply chain);

These objectives are necessary to create an event with reduced environmental impact, and to raise awareness of the territory towards environmental sustainability. The Organizing Committee also identifies in its environmental plan a series of actions that could have a positive impact from the point of view of energy and air quality:

- ✓ energy sustainability;
- ✓ sustainable mobility and air quality.

## **C.1 ENERGY SUSTAINABILITY**

The energy sustainability of the event depends on several factors that intervene both in the planning phase, and in the management phase, before and during the event.

it is essential that: the service structures are designed and implemented with criteria of energy efficiency and use of renewable energy sources, the organizational structure (employees, volunteers, etc.), based on an analysis of potential energy consumption, adopted in the its procedures and in the choice of supplies (purchase of equipment and tools) the principle of low energy impact. Another decisive aspect for the energy sustainability of an event is that the public is invited and involved in the environmental challenge of reducing energy consumption.

## **C.2 SUSTAINABLE MOBILITY AND AIR QUALITY**

The impact of the World Rowing Cup on air quality and local ecosystems is estimated to be mainly determined by how the public, but also the employees themselves, arrive at the event area. The impact of the organization is certainly smaller and more controllable with the adoption of actions and measures such as the pedestrianization of the event area, the exclusive use of sustainable service vehicles, the reduction of emissions from boats with more efficient engines and turning them off at the end of the competition. Therefore it is necessary to make the event suitable for sustainable mobility.

### **B. SUSTAINABLE MANAGEMENT OF WASTE AND MATERIALS**

Waste is a typical aspect of modern societies, which have significantly increased the production of urban and special waste, which is directly proportional to economic growth. However, waste is a pressure on the environment because, once created, if not reused and recovered, they need disposal processes that affect environmental, but also economic and social components. The Municipality of Sabaudia has an efficient integrated waste management system which has made it possible to achieve over 75% of separate waste collection. In particular, the system is based on the following priorities:

- reduction at the origin (prevention) of quantity and danger of waste, starting from the redesign and design of goods based on their life cycle, also considering reduction and re-use;
- material recovery, through separate collection (RD), on a domestic and corporate scale, and / or mechanical or chemical
- physical selection of organic, cellulose, glass, polymeric, metal components, as well as demolition aggregates, used oils, discarded electrical and electronic appliances and materials, etc. or any other action aimed at obtaining secondary raw materials (recycling);
  - start of energy recovery, through combustion (incinerator), possibly in thermal and electrical cogeneration schemes, of the high residual dry residual fraction, as far as possible, upstream from damp and / or dangerous components;
- reduction in the use of landfills for untreated waste and for treatment residues;
- choice and use of the safest and most appropriate treatment and disposal technologies for the type of waste and favor the disposal of waste in places close to the production ones;
- promote communication, education and training activities for citizens and sector operators.

The CO identifies the following priorities for action:

- ✓ Waste reduction;
- ✓ Separate collection and disposal of waste;
- ✓ Littering prevention and control

### **D.1. WASTE REDUCTION**

To implement the waste reduction policies, the Province of Latina has launched and implemented several projects. In this context, there is already a great deal of attention on the part of the institutions, the OC intends to carry out a series of measures in the organizational structure before, during and after the event aimed above all at preventing the production of waste, and operating in synergy with the local waste manager and existing realities on the subject to seize the opportunities of projects and initiatives already active.

### **D.2 SEPARATE COLLECTION AND DISPOSAL OF WASTE**

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### **D.3 LITTERING PREVENTION AND CONTROL**

Littering is the pollution of roads, squares, parks or public transportation caused by intentionally throwing or dropping waste and abandoning it. Littering compromises the quality of life and the sense of security in public spaces, generates high costs for cleaning services and harms the image of the locality. Littering can be intentional or non-voluntary. The waste recklessly thrown on public soil is today a social problem that negatively reflects on the quality of life, on the trend of costs and on the image of Cities and Municipalities. Among the factors that can determine a widespread littering there are also the big events that if not managed with appropriate actions of control and awareness of the public can lead to "unnecessary" additional costs to the organizers and public institutions.

### **C. SOCIAL, CULTURAL AND ECONOMIC SUSTAINABILITY**

The induced effects of an event such as a World Rowing Cup, concern not only the international or local sports community, but affect the territory and its community. The organization has placed increasing attention on the "intangible heritage" that an event leaves on the territory on the development of the city: international promotion of the city, cultural and creative ferment, strengthening of organizational capacities and qualification of human resources and environmental education. A series of potential positive effects that will allow a future development of the territory towards sustainability. A positive relationship with the local population of the city hosting the event is therefore essential for the success of the event. For the Organizing Committee, this means promoting a gradual increase in enthusiasm for the event, broadening the consensus base for the event and anticipating possible criticisms during the preparations. The reaction of the local population towards the joyful invasion of visitors and their willingness to actively participate in the event will be an important component for success.

For this reason the local community will be involved in order to implement specific inclusion actions and guarantee maximum safety and accessibility to the event. The event will also have an economic impact, creating an induced local economy, whose repercussions will affect the whole territory, as well as generating profits for the partners involved. The Co will involve companies of the territory that implement sustainability policies in their activity (as local partners), but also to the overall promotion of tourism and local products.

#### **E.1 ACCESSIBILITY**

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One of the characteristics of social sustainability of the event is its ability to be accessible and usable by all potential participants, including people with disabilities through specific actions:

avoid architectural barriers that prevent access to the main services of the event, use universally recognized symbols for the identification of facilities or access for disabled people in the places of the event.

## **E.2 INCLUSIVITY**

The strength and value of sport as a potential tool for aggregation and social cohesion, as an opportunity to unite cultural, religious and ideological diversity. Today there are numerous national and international organizations that promote cohesion in contexts in sports where development processes are hindered or slowed down by difficult socio-economic conditions. In this perspective, the Organizing Committee joins the FISA Development Program.

## **E.3 SAFETY AND HEALTH**

The protection of the health and safety conditions of athletes, official representatives, volunteers and spectators during the event is a primary objective of the Organizing Committee. The OC wants to apply the best safety standards required by the legislation and integrate practices and good sustainability practices that can have an effective impact on expanding the culture of environmental sustainability in all participants.

## **E.4 TERRITORIAL PROMOTION**

The objectives of the National Federation and the Organizing Committee are the promotion of the sport of rowing and the territory that hosts the event. The event is a great opportunity for visibility able to promote the area and promote the flow of sports tourism.

The tourism policies promoted by the Municipality of Sabaudia are the main objective of developing sustainable tourism according to the following strategic lines:

- enhance and develop tourism products that have a strong environmental-natural connotation and stimulate a respectful use of the environment;
- to encourage the use of the territory by preserving it for future generations and enhancing it instead of consuming it;
- promote and develop direct contact with the authentic factors of specific attractiveness of the territory (cultural, social, artistic, historical, traditional, entrepreneurial-productive);
- to facilitate the access of all categories of tourist users, without discrimination;
- spreading the "culture of tourism" and the culture of tourists (understood as environmental sensitivity).

The actions of the OC in the event, aim to promote the territory in a perspective of involvement and enhancement of the important competences expressed by the actors on the territory.

