

CONCOURS DE MACHINES 2024 SCALE

Thematic	Criteria	COEF	% rating	Judgement	Comments
Document	Allow the pilot to easily bring back great memories of their trip. The Jury will value solutions that are easy to access, practical and consistent with the pilot's desires.	8	5 %	Jury	Please note, during part of the route, smartphones will not be accessible...
	Bring back at least five souvenirs from his/her trip, collected all along the route.	2	1 %	TC after	The artistic and/or technical qualities of the souvenirs will not be judged.
Navigation	Offer a solution to easily find his/her direction while riding with the help of an IGN map at a scale of 1:25000	6	4 %	Jury	Please note, part of the route will have to be performed only by using an IGN map for direction
Mountain biking	Choose a geometry adapted to MTB	10	6 %	Jury	
	Propose a solution to improve ground contact and comfort	10	6 %	Jury	
	Choose components suitable for MTB while roaming in the mountains.	5	3 %	Jury	Transmission, tires, wheels, braking system...
	Have tires with a section greater than 50mm (1.9")			TC before	Elimination point
	Integrate protections against projections inherent to MTB practice	3	2 %	TC before	Protection of the rider, the bike, the luggage, the other competitors...
Camping gear	Have a bike-carrying solution suitable for one-hour carrying	8	5 %	TC before	Good news, you will have to carry your bike and its load during the event!!
	Choose suitable luggage for a 2-day MTB ride in the mountains. The luggage must allow for the carrying of all the equipment.	5	3 %	TC before	Mandatory equipment listed in the next lines
	Optimize the weight distribution of luggage and equipment carried. (While riding and carrying your bike.)	3	2 %	TC before	
	Have luggage that is perfectly secured and stable for the duration of the event.	5	3 %	TC before & after	
	Transportation of 2L of water, including 1L accessible while riding.			TC before	Mandatory equipment, penalty if missing
	Transportation of four meals (three picnics and one breakfast).			TC before	Mandatory equipment, penalty if missing
	Shelter for sleeping and preparing meals protected from the wind and rain.			TC before	Mandatory equipment, penalty if missing
	A 0° sleeping bag			TC before	Mandatory equipment, penalty if missing
Down jacket, headdress, pants, rain jacket, helmet. (To be taken even if the weather is excellent on the day of the event)			TC before	Mandatory equipment, penalty if missing	

<p>Repair</p>	<p>Take the repair equipment needed to repair your bike or a colleague's one.</p>			<p>TC before</p>	<p>Mandatory equipment, penalty if missing</p> <p>List of repairs:</p> <ul style="list-style-type: none"> - puncture (tube, tire lever, patches) - wheel straightening and spoke change including cassette side - derailleur and brakes adjustment (derailleur cable, brake cable, brake pads). - saddle and cockpit adjustment - repair a transmission (broken chain, derailleur and derailleur hanger).
<p>Environmental footprint</p>	<p>Minimize the environmental footprint of the bike</p>	<p>10</p>	<p>6 %</p>	<p>Jury</p>	<p>A grid established by ADEME to estimate the footprint of your bike will be sent to you in May. You will have to include it in your technical file and present it to the jury.</p> <p>The main criteria will be:</p> <ul style="list-style-type: none"> - raw materials and consumables for the frame building - paint or other protection used - components (materials, proximity of manufacturing, reuse) - luggage materials - electronics present on the bike in its driving configuration
	<p>Leave no trace other than tire marks and minimize the creation of waste</p>	<p>3</p>	<p>2 %</p>	<p>TC before & after</p>	<p>A check of packaging and other potential waste will be carried out before the event. On arrival the waste brought back will also be checked, even those considered compostable (We said no trace!!).</p> <p>A small base: https://www.explora-project.com/blog/articles/comment-voyager-sans-laisser-de-traces-7-principes-a-connaître-absolument</p>
	<p>Being able to compact the bike to comply with the SNCF dimensions (130cmx90cm)</p>	<p>6</p>	<p>4 %</p>	<p>TC after</p>	<p>A demonstration will be requested upon arrival of the event.</p>

Relevance of using an artisanal solution	Integrate repair tools and other equipment into the bike	5	3 %	Jury	
	Facilitate bike maintenance while being on a multiday trip	5	3 %	Jury	
	Highlight your know-how (parts modification, self-made parts)	10	6 %	Jury	
	Quality of craftsmanship (assembly, machining, shaping, frame alignment)	15	10 %	Jury	
	Overall assessment of the Jury (consistency of choices, aesthetics, etc.)	10	6 %	Jury	
	Finishes and/or frame protection adapted to Mountain biking	5	3 %	Jury	
Health and Safety	First aid kit			TC before	Mandatory equipment, penalty if missing Material list: - dressings of different sizes - compresses - disinfectant - bandage - sticky sutures - survival blanket - sugar - a painkiller / anti-inflammatory"
	Devices to contact emergency services			TC before	Mandatory equipment, penalty if missing Telephones will be accessible in case of emergency throughout the route.
	Lightning autonomy of 12 hours (driving at night, setting up camp at night) + 36 hours of GPS and telephone autonomy.			TC before	Mandatory equipment, penalty if missing

Bike framer knowledge	No bottom bracket play	5	3 %	TC before	
	No headset play				
	No wheel hubs play				
	No buckled, off-centered wheel				
	Complete screws set, correctly tighten				
	Bike functioning verification (gear changes, brakes, etc.)				
	No frame defect			TC after	If the frame/fork comes back with a problem, the rider will have to explain the circumstances to the jury. If it turns out that the problem is linked to manufacturing, assembly, technical choices, the bike will be eliminated. If it is a third party cause (big fall, accident, you encountered a bear...) the bike will not be eliminated.
	No craft fork defect				
	No bottom bracket play	8	5 %	TC after	
	No headset play				
	No wheel hubs play				
	No buckled wheel				
	Complete screws set, correctly tighten				
No luggage and attachments defect					
Condition of frame finishes and/or protections					
Bike functioning verification (gear changes, brakes, etc.)					
The little extras that make the difference	Additional functions	5	3 %	Jury	
	Nourish conviviality	1	1 %	Jury	
	Complete the track up to Bagnères de Bigorre (80% of the route); bonus points for completing the complete track	2	1 %	TC after	The track must be completed at least as far as Bagnères de Bigorre. A bonus will be awarded to those completing the entire track. If the bike does not complete the route to Bagnères de Bigorre, the rider will have to explain to the jury the circumstances. If it turns out that the problem is linked to manufacturing, assembly, technical choices, the bike will be eliminated. If it is a third party cause (accident, sick rider, etc.) the bike will not be eliminated."

	Sending a technical file presenting the bike 2 weeks before the competition.				Mandatory criterion, penalty if not respected. Don't go offending the jury 2 weeks before meeting them!

Comments:

Bikes must be presented to the jury and the technical commission in ready-to-ride condition with all equipment and food (excluding fresh produce).

The "eliminated" bikes will not be classified (1st, 2nd, and 3rd prize) but may still be awarded with special prizes.

TC before = technical commission before the event; TC after = technical commission after the event