

Swiss National Park 100th anniversary : an environmental strategy

Objective

For the celebration of its 100 year anniversary, the Swiss National Park organized numerous events, among them an open-air theatre chronicling the history of the National Park.

Dedicated to **wilderness conservation and protection of the environment**, the Swiss National Park aims for this event to be exemplary in terms of environmental impacts.



Quantis Solution

- Life cycle assessment of the open-air theatre to measure its environmental impacts, using the software Quantis SUITE 2.0.
- Development of an environmental strategy to reduce the environmental impacts of the event in collaboration with a master's student.

Quantis

“As the guardians of the Alps’ oldest and best protected wilderness reserve, organizing a sustainable open-air theater is an imperative to us.

The LCA study of Quantis helped us to identify the means to achieve this goal.”

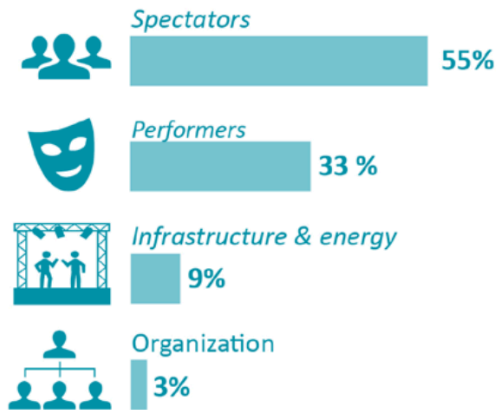
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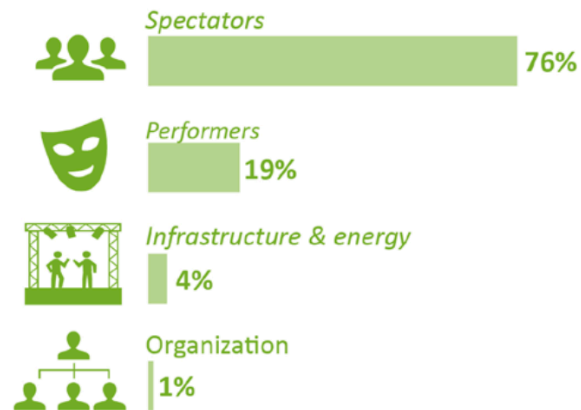


Results

Climate change



Ecosystems quality



A first action for reducing impacts

- As an incentive for the performers to travel by train or by car sharing, only train tickets are reimbursed, while travel by car is not reimbursed
- Due to this first action, the total impacts of the event are reduced by 17% for the climate change indicator, and by 4% for the ecosystems quality indicator



Key findings

- The category «Spectators» is the dominant contributor of total impacts, followed by «Performers»
- The impacts on **climate change** of spectators and performers is **mainly due to their transport** to Zernex
- Their impacts on **ecosystems quality** is **mainly caused by food** they consumed during the event
- The **stage is made of 100% local wood**, and can be disassembled for **future re-use** in constructions. This explains the relatively low impacts of «Infrastructures»