



# DECODED CLIMATE

JOURNEY BEHIND THE  
SCENES OF OUR PLANET

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## SUMMARY

To better understand current environmental and scientific challenges, it's crucial to have a deeper comprehension of the world around us and the physical processes governing our planet's activity. That's why we're undertaking the project to produce a documentary on climate science and the effects of climate change in Switzerland, addressing unique topics with the scientific, factual, and human approach characteristic of our productions. This project will be conducted with a profound educational and informative vision based on scientific facts and concrete testimonies to approach the climate issue from a fresh perspective.

Beyond the film's production and its free distribution on the web and public television, as well as its availability to all interested partners as educational material, we'll organize interactive screening events for the general public and schools as part of this project. This will enable direct interaction with the audience and strengthen the public-scientist link on the crucial issue of climate.

"Decoded Climate" fully aligns with the current global concern for climate change. We focus the narrative on local actors, whether scientists or not, to illustrate the challenges faced by the population. It was important for us to frame the discourse on a geological timescale rather than a human one, which inadequately represents our planet's ability to outlast us. The goal is to stimulate individual and collective reflection and action to address these crucial challenges. By exposing the reality of environmental risks, we hope to inspire positive changes and informed decision-making through a better understanding of climate and its stakes.

# ABOUT SCIENCESCAPE



**“THROUGHOUT OUR ACADEMIC JOURNEYS, IT BECAME EVIDENT THAT THE BRIDGE BETWEEN SCIENCE AND SOCIETY WAS STILL A RELATIVELY NEW AND FRAGILE CONCEPT, PARTICULARLY DUE TO SPECIALIZED SCIENTIFIC DISCOURSE OFTEN BEING INACCESSIBLE TO THE GENERAL PUBLIC. THIS MOTIVATED US TO ENGAGE IN EDUCATION, COMMUNICATION, AND SCIENTIFIC POPULARIZATION, PARTICULARLY IN THE NATURAL SCIENCES, WHICH ARE STILL UNDERREPRESENTED IN THE MEDIA.”**

**LUCAS VIMPERE  
CO-FOUNDER OF SCIENCESCAPE**

SciencEscape, a non-profit organization based in Geneva and officially recognized as being of public utility, is dedicated to sharing scientists' passion and knowledge through aesthetically pleasing, educational videos that are accessible to all, free of charge. Its founding members, researchers in geosciences specializing in the analysis of past climate changes worldwide, are convinced that it is their responsibility to share the keys to understanding certain scientific topics with as many people as possible. With this goal in mind, they have created an association that aims to shed light on research topics impacting society through scientific exploration and the field adventures of naturalists.

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# THE EDUCATIONAL PROJECT

## DOCUMENTARY SYNOPSIS

Dive into a captivating journey through the mysteries of climate in the documentary 'Decoding Climate: Journey Behind the Scenes of Our Planet.' This documentary will explore the physical mechanisms of climate, the mutations of alpine ecosystems, and the impacts of climate change on the safety of the Swiss population. It will primarily focus on presenting scientific facts, accompanied by concrete local examples to directly engage the audience and inform them about natural or anthropogenic processes that have altered and/or are altering our environment. Moreover, it will present adaptation or mitigation solutions for ongoing natural phenomena. Ultimately, 'Decoding Climate: Journey Behind the Scenes of Our Planet' invites the audience to delve into the science of climate, to be inspired by our changing world, and to collectively act for a sustainable future.

### PART 1: EXPLORING THE SCIENCE OF CLIMATE

This first part will unveil the secrets of the physical mechanisms governing our climate through a zoomed-out approach to geological timescales, examining the forces that have shaped it and the major climate upheavals our planet has experienced. Renowned geologists will guide us through a narrative that intertwines the past and the present, providing insights into the general functioning of our Earth system. Following this, we will delve into the rapid and imminent environmental changes we are experiencing today.



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# THE EDUCATIONAL PROJECT

## DOCUMENTARY SYNOPSIS

### PART 2: THE TRANSFORMED ALPS: AN EVOLVING ENVIRONMENT

The transformations undergone by the majestic Swiss Alps due to climate change will be the primary focus of this second chapter. From alpine forests to Swiss glaciers, the challenges and adaptations faced by these environments will be addressed here, along with the implications for the restructuring of iconic Swiss Alpine Club huts. This immersion into the transformation of alpine ecosystems will highlight the profound impact on the daily lives of Swiss citizens and the structural reorganizations necessary for future sustainable management of Swiss territory.



### PART 3: EVOLVING NATURAL HAZARDS

Natural hazards in Switzerland are undergoing significant changes and exhibiting poorly understood behavior under the influence of new stresses imposed by recent environmental modifications. Explore the threats looming over the population with scientists from Swiss universities who will present innovative approaches to characterize these risks such as slope instabilities or floods, and unveil their complex links with climate change. The documentary will also reveal Switzerland's adaptation mechanisms to these new phenomena as well as their economic impacts. Through these concrete and regional examples, we hope to highlight the urgency of understanding our environment to ensure a future generation of conscious and informed decision-makers.



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# TARGET AUDIENCE AND IMPACT

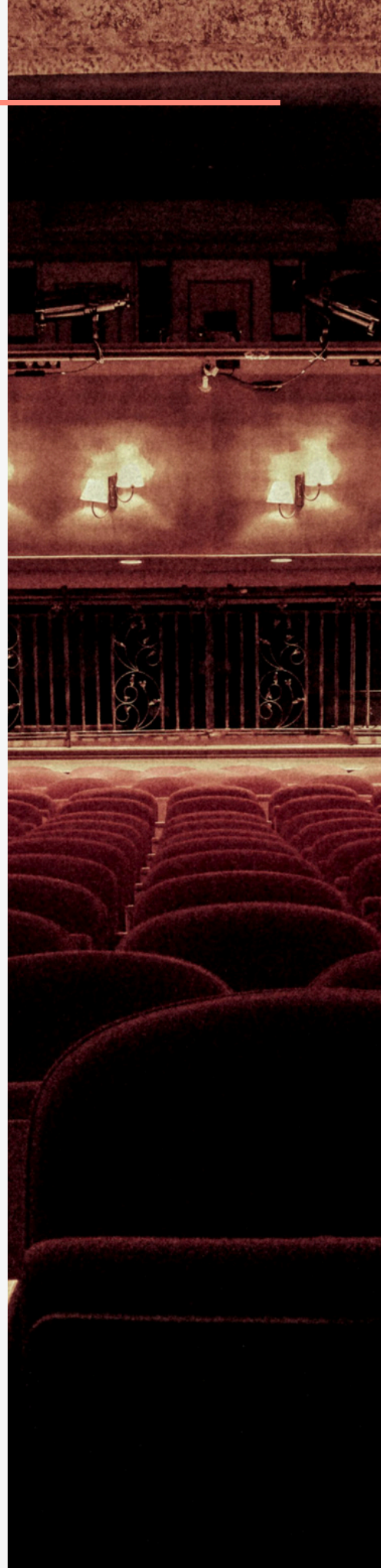
With your invaluable support, we will have the exceptional opportunity to produce a captivating, informative, and human-centered film that will explore various themes related to environmental changes.

By addressing issues related to the three pillars of sustainable development (environment, economy, and society), we will help the general public gain a broader and more comprehensive understanding of climate science, essential for grasping current climate challenges with all the keys to understanding.

This project will thus inform a wide audience about top-tier current topics based on scientific data, while strengthening the science-society link through captivating human stories. The documentary will notably showcase renowned Swiss scientists, highlighting the importance of their research for understanding climate. Moreover, this initiative will give audiences of all ages and social backgrounds the opportunity to discover crucial themes that have been underrepresented until now.

Furthermore, the documentary will stimulate interest in natural sciences among teenagers and young adults, ensuring the future of scientific advancement in the country. Therefore, this project has an educational vision for the general public, promoting scientific fields, and will also contribute to better dissemination of climate science to a wider audience.

The new angle from which we wish to address the climate issue will generate genuine excitement among the public for the project, as already evidenced by our various communications on the subject.



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# DISTRIBUTION AND AVAILABILITY

## DISTRIBUTION CHANNELS

Given SciencEscape's status as a non-profit organization and its recognition as being of public utility, the final documentary must be accessible to all, free of charge. This aligns with SciencEscape's goals and vision, which center around knowledge dissemination without profit through copyright-free productions. Therefore, "Decoding Climate: Journey Behind the Scenes of Our Planet" is a web-documentary intended for free web and television distribution. However, other dissemination channels are planned in the project to reach different audiences. The film will also be made available to all interested partners for educational purposes.





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# DISTRIBUTION AND AVAILABILITY

## DISTRIBUTION CHANNELS

### 1. PUBLIC SCREENINGS

Four public screening events are carefully planned to strengthen the direct connection with the audience and deepen the discussion around the documentary. Two of these events will be held at the University of Geneva (UNIGE): one targeting high school students and the other open to the general public. Two similar events will take place at the Palais de Rumine in Lausanne.

The public screenings will be much more than simple viewing sessions. After the documentary screening, the audience will have the opportunity to attend and participate in a panel discussion moderated by climate specialist journalist Rachel Barbara Häubi, a member of SciencEscape, alongside scientists featured in the film. These discussions will provide in-depth context and allow the audience to ask direct questions and engage in meaningful dialogue. The evenings will continue with a friendly and social atmosphere, providing participants with the opportunity to continue the conversation while sharing experiences over food and drinks.

As for the school event, it will be structured to facilitate substantial exchanges between students and scientists. These interactive discussions aim to spark curiosity and engagement among students towards climate issues, while broadening their understanding of the topics covered in the documentary.

Furthermore, we are currently in discussions with Léman Bleu to potentially livestream the first public screening event, adding a significant media dimension to our initiative. These combined efforts aim to create an enriching experience for the public, promoting awareness and dialogue around crucial climate change issues.



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# DISTRIBUTION AND AVAILABILITY

## DISTRIBUTION CHANNELS

### 2. TV BROADCAST

Following production, the documentary will be offered to RTS and Léman Bleu, with whom SciencEscape already collaborates for the broadcasting of various past and ongoing projects. Due to the theme addressed and its Swiss focus, this project is of great interest to both television channels internally, and the film's format is specifically tailored to fit into the editorial line of these major broadcasters.

### 3. WEB BROADCAST

The documentary will be broadcasted on SciencEscape's YouTube channel and shared on other platforms such as Instagram, LinkedIn, and X. Additionally, the film will be extensively promoted within our vast academic network and on the social media channels of SciencEscape's partners. Subtitles will be provided in French, English, and German to reach a broad national and international audience.

### 4. FESTIVALS

The film will be showcased at several Swiss and international film festivals, gathering hundreds of people, over the course of several years. Most of SciencEscape's productions have already received numerous awards from various festivals.

### 5. EDUCATIONAL SUPPORT

Due to the extensive academic network of SciencEscape members and participating scientists, the project will be used in Swiss and foreign schools and universities as an educational tool. This is already the case for the vast majority of SciencEscape productions.

## INTERVIEWED SCIENTISTS

The main contributors are renowned specialists in the fields of geology, hydrology, climatology, glaciology, biology, ecology, as well as representatives from the Swiss Alpine Club.



**PROF. LUCA CARICCHI**

VOLCANOLOGIST - UNIVERSITÉ DE GENÈVE



**PROF. SÉBASTIEN CASTELLORT**

SÉDIMENTOLOGIST / DEPUTY DEAN  
UNIVERSITÉ DE GENÈVE



**PROF. SONIA SENEVIRATNE**

CLIMATOLOGIST / VICE PRESIDENT OF THE IPCC  
ETH ZURICH



**PROF. ANTOINE GUISAN**

BIOLOGIST - UNIVERSITÉ DE LAUSANNE



**MARC RENAUD**

PRESIDENT OF THE SWISS ALPINE CLUB'S HUT COMMISSION  
GENEVA SECTION



**JACQUES BAONDALLAZ**

ATTENDANT AT THE BRITANNIA HUT  
OF THE SWISS ALPINE CLUB



**PROF. MARKUS STOFFEL**

GÉOMORPHOLOGIST - UNIVERSITÉ DE GENÈVE



**TABEA CACHE**

PHD STUDENT IN HYDROLOGY  
UNIVERSITÉ DE LAUSANNE

# DIRECTORS AND PRODUCERS

The complete realization of this project will be directed by SciencEscape. **Giovan Peyrotty** and **Lucas Vimpere**, co-founders of SciencEscape and researchers in geosciences, have developed this project and will oversee its implementation. Their expertise in video production, acquired through various previous experiences, is enriched by a deep understanding of geoscientific themes. Their sharp knowledge of the subject, combined with their sensitivity to the challenges faced by researchers, is a major asset for the successful realization of this project. **Rachel Barbara Häubi**, a journalist specializing in scientific issues and a member of SciencEscape, will be responsible for moderating the scientific panel discussions that will follow the public screenings. Jonathan Moy de Vitry (Right Here Right Now Production), a professional director, will assist the SciencEscape team in production and post-production, bringing the artistic and aesthetic aspects that characterize his productions.

## DR. GIOVAN PEYROTTY



Director, co-founder of SciencEscape

Giovan obtained a PhD in geology from the University of Geneva. One of the objectives of his doctoral work was to shed light on certain global environmental changes that occurred before and after the 4th mass extinction, through the study of fossil tropical carbonates.

His various scientific projects have led him to travel around the world, and it is through his field experiences that he found inspiration for SciencEscape. Passionate about science education and communication, he is now convinced that filming and sharing the work of researchers is the best way to convey scientific messages.

### Filmography

- Feu et corail - l'équilibre fragile des caraïbes - 26' - In progress
- Climat décodé : voyage dans les coulisses de notre planète - 90' - In progress
- Sous la surface du Kilauea, un réseau de failles mystérieux - 10' - 2023
- Les plis au travers du temps - 15' - 2023
- Sur les traces des Archosaures à Émosson - 9' - 2023
- Les trésors cachés des montagnes libanaises - 9' - 2022  
*Lauréat du Prix Média Newcomer de la SCNAT*
- L'éruption du Cumbre Vieja La Palma, Îles Canaries - 6' - 2022  
*Mention honorable au Earth Futures Festival UNESCO (New York)*  
*Sélection officielle au Global Science Film Festival (Bern)*
- Au coeur des glaciers suisses - 5' - 2022  
*Sélection officielle au Earth Futures Festival UNESCO*
- Éruption islandaise. Le volcan Fagradalsfjall - 10' - 2021  
*Prix du public du Festival International Docs & Screenings*  
*Sélection officielle au Festival Rencontres Montagnes & Sciences*



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# DIRECTORS AND PRODUCERS

## DR. LUCAS VIMPERE



President, co-founder of ScienceEscape

Lucas obtained a PhD from the University of Geneva, specializing in climate science and its impact on reefs and coastal desertification.

As an experienced diver, he has witnessed the degradation of oceans and coral reefs in various regions, exploring sites such as the Zuytdorp cliffs in Australia and blue holes in the Bahamas to study the impacts of climate change. These experiences have motivated him to share his findings and raise awareness about environmental preservation.

### Filmography

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## RACHEL BARBARA HAÜBI



Rachel, a Swiss-English journalist specializing in video and investigative journalism, was trained in geography at the Academy of Journalism and Media.

In 2021, she investigated conflicts related to mining exploitation linked to energy transition by spending two months in the Norwegian Arctic with Sami reindeer herders. She also followed scientific expeditions on glaciers in Alaska and Greenland.

In 2022, she co-founded the Swiss Climate Journalism Network with the aim of ensuring constructive, rigorous, and innovative coverage of the global climate crisis with a Swiss perspective.





# PROJECT TIMELINE

TASKS	START DATE	END DATE
<b>PHASE 01</b> PROJECT WRITING AND DEVELOPMENT AGREEMENT WITH EXPERTS AND PROVIDERS	APRIL 2023	OCTOBER 2023
<b>PHASE 02</b> PRODUCTION ORGANIZATION	NOVEMBER 2024	APRIL 2024
<b>PHASE 03</b> FILMINGS	MARCH 2024	JULY 2024
<b>PHASE 04</b> POST-PRODUCTION	AUGUST 2024	MARCH 2025
<b>PHASE 05</b> ORGANIZATION OF DISTRIBUTION CHANNELS	SEPTEMBER 2024	APRIL 2025
<b>PHASE 06</b> PUBLIC SCREENINGS/BROADCASTINGS	MAY 2025	->....