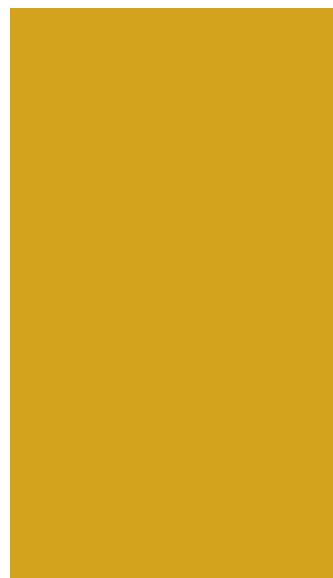




CLIMANOSCO

Climate knowledge, directly
with climate scientists



Press Kit

Overview

Climanosco is a non-profit association, with members around the world, who aims at tackling the challenge of making state-of-the-art climate science available to everyone in an understandable manner. It aims at building a bridge between citizens and climate scientists where citizens can raise their questions and get engaged side-by-side with climate scientists in the process of making science and of communicating science. We connect citizens and climate scientists, foster their interaction and publish resulting climate articles. To support these activities, we are developing an innovative platform, which structures the community's interactions and allows the free publication of articles. We believe that we can achieve this together and that it may help everyone shape a positive future for themselves and for their children.



Important facts

- Climanosco is an independent association registered in Zurich in July 2015.
- All our decisions and actions taken in pursuing our goals are based on 3 pillars: independence and neutrality, individual participation, and highest scientific standards.
- Climanosco is governed by its members, currently over 70 scientists and non-scientists from all around the world.
- Donations are capped to CHF2000 per donor per year (2015-2016).
- We successfully raised over \$13'000 during our Crowdfunding Campaign from September 15 to October 15 2015.
- We are holding an international scientific Challenge. 16 early-career climate scientists have accepted to rewrite one of their recent peer-reviewed paper in about 3 pages of non-scientific language for publication with Climanosco. Submissions by 2 November 2015.

How the story started

The ideas at the origin of Climanosco emerged and developed over time through discussions between colleagues, friends and scientists that all had one common idea: to make climate knowledge more accessible. Then in 2014, the ideas took a coherent shape and we started to build a functional web site and an initial, yet worldwide community. Early in 2015, we defined our name, Climanosco, and founded a non-profit association which is registered in Zurich. We now have a Board of Directors, a scientific Editorial Board and more than 70 members from all around the world, including Canada, USA, Nicaragua, Mexico, UK, France, Netherlands, Switzerland, Germany, Algeria, Australia, and India. We successfully held our first Crowdfunding campaign and are currently organising an international scientific Challenge.



Board of Directors

The Board of Directors is the leading body of the Climanosco Association after the General Assembly. It operates under the Association's Statutes and is composed of experienced climate scientists and of members who come from different fields (non-climate scientists). The current Board of Directors was formed after election of its members by the Constitutive Assembly on the 9th July 2015.

Climanosco's Board of Directors is strong of nine members; we are very proud to present them hereafter.



Board of Directors

Michel Bourqui

Michel Bourqui, the founder and current president of Climanosco, is a graduate in Physics from the EPFL and a doctor in Atmospheric Sciences from the ETHZ, Switzerland. He carried an academic career at some of the most influential institutions in this scientific field, including the ETHZ, the University of Reading (UK) and McGill University (Canada) where he held a professor position for 8 years. He currently holds an Adjunct Professorship at the Université de Montréal. Since he is back in Switzerland he has been increasingly working on the Climanosco initiative. He believes that human beings have the capacity to integrate knowledge in their actions and their passions as long as this knowledge is sound, accessible and creative.



Cassandra Bolduc

I am an astrophysicist and I work on historical reconstruction of the solar energetic output and radiative transfer in the Sun's atmosphere. During my PhD, I had the chance to be co-supervised by Dr. Bourqui and to study the influence of solar variability on stratospheric chemistry. Though I do not consider myself a climate or atmospheric scientist, I am sure that my background in physics and solar-terrestrial relations would be useful to the Climanosco community. I can easily put myself in the position of someone from the public because I am not a specialist of atmospheric sciences or climate, while I am able to understand the science behind.

Paul Charbonneau

I am an astrophysicist by training, a solar physicist by practice, and currently hold a Faculty position in the Physics Department at the University of Montreal, Canada. For now close to 25 years I have carried out research on the physical mechanisms driving solar magnetic activity. More recently I have become interested in modeling the variations of the solar radiative output across changing levels of magnetic activity levels, and quantifying the impacts such variations may have on the Earth's upper atmosphere. My interest in climate change stems naturally from these research interests, but also from deeply held concerns regarding the future well-being of my children, and their children's children's children.



Board of Directors

Marie Charrière

I come from Switzerland but now I live in The Netherlands. I am doing a PhD there! I am working on visual risk communication. This means that I am trying to find the best solutions to communicate natural hazards such as floods and landslides to the population using visualization! Maybe this description is a bit technical. To be simple the goal is to help people to know how to react if such disasters occur. I hope to contribute at least a little bit to make people safer! I chose this education because it requires to be in contact with people, getting to know them and understand their culture. And I also like to do that in my free time: my favorite activities are traveling the world and meet new people, read novels that will take me places where I cannot go physically, keep informed on what's going on in the world and see as much as art as possible to access emotions that cannot be transmitted only with words!

Daniel Hill

I am an academic in the School of Earth and Environment at the University of Leeds, UK. Trained as a physicist, I use computer models to study the evolution of the climate through the geological past. I specialise in simulating warm climates of last 50 million years, particularly focussing on the causes of climate and Earth system changes. On these timescales geological changes are just as important as greenhouse gases, but climate models fail to capture the scale of warming without greenhouse gas increases. I am also trained in glaciology and combine models of ice sheets and icebergs with climate models, to understand the connection between warm periods of the past and ice sheet changes. Through this research we can understand the workings of climate in warmer than modern, high CO2 worlds.



Angélica Gladko

Angélica is a trained Environmentalist with additional education in International Development Cooperation. She has collected hands-on experience in International Cooperation and Climate Change Adaptation in multicultural Environments at community, country and regional levels. Having lived in Nicaragua, Russia, Switzerland and Cuba has allowed her to develop important intercultural sensitiveness and strengthen her language skills. Her life main goal is being happy while contributing to a more sustainable society.

Enrique Loubet

I am a mathematician with a strong interest in economics. I have a Bachelor in Mathematics and Physics from the national university of Mexico (UNAM), a Master and PhD in applied mathematics from the Courant Institute (NYU), postdoc experience in university of Zurich (UZH), a Master in advanced quantitative mathematical finance from the federal technical university of Zurich and Zurich university (ETHZ-UZH) and worked for close to 5 years for a big reinsurance firm in risk management. I am a scientist and concerned individual with an existential need to understand, nurture and disseminate universal values and scientific ideas. I want to join scientific peers and work together to contribute to disseminate scientific ideas and understanding, to raise public and governmental awareness of scientific facts and their implications so as to support and push for rational change and action for the better.



Board of Directors

Philippe Roy

I work in the field of climate model analysis, specializing in uncertainty of simulated extremes by regional climate models. I presently work at Ouranos in Montréal, a research consortium that focuses on two main themes: Climate Science and Vulnerabilities, Impacts and Adaptation to climate change. My present research focus is on the application of probabilistic climate scenarios for the assessment of various impacts and adaptation studies.

Barbara Winter

My undergraduate degree was in astrophysics but for graduate work I returned to earth and studied the physics of the atmosphere. My research over the last 20 years has focussed mainly on the large-scale motions of the atmosphere and oceans, and on the long-term changes that can be induced in these motions by changes in, for example, the carbon dioxide content of the air. I have also investigated how sunlight is transferred through layers of aerosol particles in the air, and how heat is transferred through sea ice from the ocean to the atmosphere. I have worked as an instructor for undergraduate courses on weather, climate and oceanography, and have always enjoyed teaching. At present I am a physical scientist with Environment Canada.



Visions

“ As founder of Climanosco, my goal is to make our scientific knowledge on climate processes accessible to everyone in a non-scientific language. As is true for most scientific disciplines with intensive research activities, this knowledge is not static. It is developing in a highly dynamical manner at different research institutes and universities around the world, through small and big steps. Its hypotheses and results are always again revisited, re-explored and re-evaluated by climate scientists. I believe that only the climate scientists who work every day on developing this knowledge can communicate this knowledge in a faithful manner. For this to happen, we need to develop a community which works together at shifting the old paradigm. Several initiatives are currently emerging here and there in this direction. Climanosco is one of them, unique of its kind, tackling this challenge one step at a time.

- Michel Bourqui



Visions

“ I see Climanosco as the future reference for anyone looking for answers that are clear while being backed up by scientist. The different point of views would be reflected, so that the general public will know how science works and how theories and hypothesis are verified.

- Cassandra Bolduc

“ I hope that Climanosco will become more than a scientific communication journal and find ways to incorporate creative projects, provide the spark for citizen science and engage a whole new community with climate science.

- Daniel Hill

“ I imagine Climanosco as a website that would provide understandable scientific works for the public and would answer public questions. I also imagine it as a website that would benefit to the scientists by providing a peer reviewed process of a high quality and give them the incentive to participate more actively to the public outreach of this topic.

- Marie Charrière

“ My vision for Climanosco is a place where we can get the information, the climatic data, the climate scenarios and some useful adaptation ideas at the same place.

- Philippe Roy



❁ Of particular importance, in my opinion, is to explain why it is still not yet possible to quantify the impact of solar activity on climate in a physically sound manner. In science there is nothing wrong with saying “We don’t know”, but it is our duty to explain why we don’t know. Climanosco appears to me an excellent vehicle towards achieving that goal.

- Paul Charbonneau

❁ I want to help Climanosco become a respected, trusted and influential forum to which people may look out to inform themselves, get the facts right and progressively create momentum for a positive and rational change for the better.

- Enrique Loubet

❁ My vision for Climanosco is that it be a forum where those with questions about the basic science governing climate change can interact with those who have expertise in the physical sciences that make up climate research.

- Barbara Winter

❁ I see Climanosco as a Global Platform of dialog and solution – oriented discussion between Scientists, who bring knowledge from their Research, and non Scientists, who bring concrete questions about and experience in Climate Change. This platform will be a contribution to find balance between our way of living and the Climate.

- Angélica Gladko



Staff

Claudia Mignani

I am a “Summerpreneur” at Climanosco. Organized by Impact HUB Zurich, Summerpreneurship is an internship with an education program that brings impact-driven start-ups and students who are looking for an exciting summer internship together. Originally from Luxembourg, I came to Switzerland to study Environmental Sciences with Major in Atmosphere and Climate at ETH in Zurich a couple of years ago. After finishing my studies, I was looking for the opportunity to gain experience in an early stage social enterprise with an inspiring idea where I can have a positive impact to the world. That brought me to Climanosco, where I have been working since the beginning of August 2015.



Arts & Sciences

Our perception and understanding go through the channels of our senses. Arts provide sensible and human perspectives on thematics, which even if very abstract, can support the process of acquiring knowledge. Arts and sciences are to work together at Climanosco. Although this aspect will be developed in the next phase, we already established the connection by having had two artists Barbara Glazar and Ryan James associated to our 2015 Crowdfunding campaign. Thanks to them, we offered, in reward for certain donations, hand-signed, limited edition certified museum quality Hahnemuhle fine art print of their superb 2m diameter painting “Deep Into This Light”.



Deep Into This Light

By Glazar James ©



FAQs

■ How can I get involved?

You can simply register (it's free of fees for 2015-2016) and opt in for notifications. You will then receive emails notifying you on the various activities of the members and you can decide where and how you would like to participate. Climanosco is about the participation of its members as individuals in their diversity and uniqueness. As a member, you will also be invited to participate to our annual on-line General Assembly. Note that Climanosco does not accept institutional members.

■ What does “Climanosco” mean?

The name “Climanosco” is composed of the Latin words “Clima” and “Nosco”, the active form of the verb to know. So, it means “I am becoming knowledgeable on climate”. That's precisely what we wish our readers and members to feel when they connect with Climanosco.

■ What do you mean by “citizens”?

By “citizen” we mean any person who is interested to engage and who is not an active climate scientist.



■ What Climanosco is and what it is not?

Climanosco is about making knowledge on climate understandable and openly accessible. It is not about advocating any specific idea or opinion, it is neither a political nor an activist movement. It reflects individuals in their diversity of opinions and uniqueness of perspectives. It also reflects the progress of scientific research in its complexity and diversity. It does not focus on climate change or global warming. It covers the broad area of climate sciences. It does not have commercial goals. It is a registered non-profit association (under Swiss laws). Climanosco is not fitted to any specific donor's agenda. It is strictly independent at the governance and financial levels. It is governed by its members and donations are capped to CHF2000 per donor per year (as for 2015-2016).

■ How independent is Climanosco?

As stated in its Statutes, independence is one of the three basic principles which Climanosco must satisfy in achieving its goals. This independence is built in at every level of governance and financially. Climanosco is a non-profit association exclusively governed by its members. It does not accept institutional members. Donations are capped to avoid any dependence with respect to any specific donor.





Pictures of our Launch
Event (17 Sept. 2015)





Pictures of our movie shooting (18 Aug. 2015)



Logos



CLIMANOSCO



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Climanosco is a registered trademark





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This Press Kit was prepared by Claudia Mignani and Michel Bourqui
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