



A special screening of "Ice and the Sky" in Atlanta on April 6 with French scientist Dr. Jérôme Chappellaz

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An exceptional series of two screenings of the French movie "*Ice and the Sky*" will be held on April 6-7 in Atlanta, GA and *Houston, TX* in presence of the scientific director of the movie and world-renowned glaciologist Dr. Jérôme Chappellaz. In Atlanta, this screening is organized in partnership with Emory University and will be held on April 6th.

- **When:** April 6, 5pm-7:30pm

- **Where:** White Hall 208 – Emory University ; 301 Dowman Dr., Atlanta, GA 30322

- **Register here** for this free event

Ice and the Sky is a 2015 French documentary film about global warming, from Oscar-winning French director **Luc Jacquet** (March of the Penguins) and selected as the closing piece of the 2015 Cannes Film Festival. Set in Antarctica, this movie delves into the incredible story of **Dr. Claude Lorius**, a pioneering French glaciologist who began studying Antarctic ice in the 1950s, and in 1965, was among the first scientists to become concerned about the impact of human activity on our climate. Accompanied by breathtaking landscape photography and a fascinating array of archival footage from Lorius' many expeditions, "Ice and the Sky" reflects on Lorius' life's work - the great successes and the punishing hardships suffered during his decades on the ice.

To be held three weeks before the signature of the Paris Climate Agreement (following the Climate Conference – COP21 in Paris last December) in New York on April 22nd, this event will resonate strongly with the current call-to-action to mitigate humankind's devastating impact on the Earth's climate.



Dr. Claude Lorius is a Director Emeritus of Research at the French National Center for Scientific Research (CNRS) and a member of the prestigious Academy of Sciences in France. He has published more than a hundred scientific papers in peer-reviewed journals including Nature, and his work has been recognized through numerous international awards. In 2002, he received France's CNRS Gold Medal for his work on ice cores, highlighting the close link between the increased concentration of greenhouse gases in the atmosphere and climate change. He has spent more than 6 years of his life at extreme latitudes through 22 scientific polar expeditions, mostly in Antarctica.

Program:

- 5 pm: Welcome remarks
- 5:10pm Screening of *Ice and the Sky*. *In French with English subtitles*.
- 6:40pm: Discussion with **Dr Jérôme Chappellaz**, glaciologist at the French Center for National Research (CNRS) in Grenoble, France and scientific director of the movie, and **Dr Justin Burton**, Assistant Professor of Physics at Emory University (Atlanta).
- 7:15pm: Reception in the Atrium of the Maths and Science Building

About the speakers:

Dr Jérôme Chappellaz is a French glaciologist at the *Laboratoire de Glaciologie et Géophysique de l'Environnement* in Grenoble, France (CNRS – Université Joseph Fourier). His research focuses on glaciology and climate science.

Analyzing the composition of ice cores drilled in polar ice caps and mountain glaciers, he and his team have been able to reconstruct the evolution of atmospheric greenhouse gases levels dating back to 800,000 years ago and establish a correlation between those gases levels and the Earth's climate. Dr. Chappellaz has also taken part in scientific expeditions at extreme latitudes, including five campaigns to Antarctica.

Currently, he leads an ambitious European project to access very old ice cores and analyze them precisely to better understand a major shift in the period of climate cycles that took place about one million years ago. His work has been recognized through national and international awards, including the Niels Bohr medal of honor, the bronze and silver medal of French National Center for Scientific Research (CNRS), and the Nicholas Shackleton award. He has been a Knight in the French national order of merit since 2010. Additionally, he chaired the international expert committee overseeing the scientific content of both the movie *Ice and the Sky* and of the [associated educational project](#).

Dr. Justin Burton is an Assistant Professor at the Department of Physics of Emory University in Atlanta, GA and the head of the Fluid and Granular Materials Laboratory. His research focuses on soft condensed matter physics, geophysics and fluid dynamics. He has an interest in glaciology and part of his research is now centered on ice dynamics.

He and his team are modeling icebergs at the glacier/ocean interface in the lab to understand more about the forces and the dynamics at play when massive sheets of ice (one kilometer tall) detach themselves from the continental cover, tumbling into the sea and releasing a massive amount of energy. Those “glacial earthquakes” have become increasingly common in recent decades as ice sheets covering Antarctica and Greenland are thinning and flowing towards the ocean at an unprecedented rate. He has published more than twenty papers and his work has been featured in *Science* and *Nature Communications* and he is the recipient of a five-years CAREER grant from the National Science Foundation, among the NSF's most prestigious awards. Burton received his PhD in Physics from the University of California, Irvine in 2006 and he joined the Emory Department of Physics in 2013.

This event is brought to you through the partnership between the **Office for Science and Technology of the French Consulate in Atlanta** and **Emory University**.

For any enquiry regarding this event, contact Flora Plessier, Deputy Attaché for Science and Technology at the French Consulate in Atlanta at deputy-univ@ambascience-usa.org