

Climate change effect on Peruvian glaciers debated in German court

May 28 2022, by Ernesto Tovar



Peruvian farmer Saul Luciano Lliuya looks at the Palcaraju mountain where his Huaraz home is under threat from a melting glacier.

German judges and experts have arrived at the edge of a melting glacier high up in the Peruvian Andes to examine a complaint made by a local

farmer who accuses energy giant RWE of threatening his home by contributing to global warming.

The visit by the nine-member delegation to the region is the latest stage in a case the plaintiffs hope will set a new worldwide precedent.

Leading the demand for "climate justice" is 41-year-old Peruvian farmer Saul Luciano Lliuya, who lives in the mountains close to the city of Huaraz.

He has filed suit against the German firm RWE, saying its [greenhouse gas emissions](#) are responsible for the melting of nearby glaciers.

The trip was ordered by the Higher Regional Court in the northern German city of Hamm, where Lliuya submitted his claim against RWE, having previously had his case dismissed by another court in Essen.

The delegation must determine what risk the melting glaciers pose to the city of Huaraz and its 120,000 inhabitants below the Palcacocha glacier.

"We want the RWE company to be held responsible for environmental damages," Lliuya, a farmer and tourist guide supported by the German environmental NGO Germanwatch, told AFP.

"In general they have polluted all over the world and with this claim we are trying to do something," added Lliuya.



The Palcacocha lake at 4,650 metres above sea level is at risk of flooding the Huaraz town below if melting glacier water overflows.

RWE operates in 27 countries in the world, including Chile and Brazil, but not Peru.

The claim "was rejected in the first instance because it did not have any legal basis and did not respect German civil law," RWE spokesman Guido Steffen told AFP.

"We are confident this will happen again with the appeal."

RWE insists that "according to law, individual emitters are not responsible for universal processes, that are effectively global, such as

[climate change.](#)"

Lliuya and Germanwatch met during the COP20 climate change conference in Lima in 2014, after which the German NGO's activists traveled to Huaraz to discuss a potential claim in Germany.

Feeling 'impotent'

Lliuya says his greatest fear is that the melting glaciers result in the Palcacocha lake overflowing.

At an altitude of 4,650 meters (15,000 feet), the huge blue-turquoise lake sits below the Palcaraju and Pucaranra glaciers in the [Huascarán national park](#), and could flood Huaraz below if it bursts its banks.



Climate change brought on by greenhouse gas emissions from private enterprise and industries is responsible for melting glaciers, activists say.

"As a farmer and citizen I don't want these glaciers to disappear, they're important," said Lliuya.

But he says he feels "impotent" because "you know you're in a risk zone and there are businesses and industries that have caused this."

Lliuya owns a half hectare "chacra"—the Quechua word for a small farmstead—on the slopes of the mountain.

He owns chickens and sheep and grows corn and quinoa.

Lliuya lives a modest life with his wife and two children. Their kitchen has few utensils and a wide tree trunk that serves as the dining table.

He is also afraid that a drought in the underground aquifers could threaten local agriculture and Huaraz's water provisions.

Battle in German courts

The case against RWE was brought in 2015 and the German company won at the first instance the following year. But in 2017, the court in Hamm agreed to hear the case.



Saul Luciano Lliuya (left), his son Brandon (centre) and wife Lidia live in a modest house with a tree trunk for a dining table.

The visit by experts, which was ordered in 2019, was delayed by the COVID-19 pandemic.

Germanwatch and Lliuya want RWE to pay for the costs to protect Huaraz from any eventual flooding.

"This case refers to our historic emissions of greenhouse gases, and we have always complied with governmental limits, including our [carbon dioxide emissions](#)," says RWE, which has stated a goal of becoming carbon neutral by 2040.

Peru has lost 51 percent of its glaciers over the last 50 years, the national water authority said in 2020.

Noah Walker-Crawford, a climate change researcher at University College London (UCL) and Germanwatch analyst, told AFP that 1,800 people died in 1941 when Palcacocha flooded Huaraz due to a glacial avalanche.



UCL researcher Noah Walker-Crawford (left) says disaster has struck Huaraz before due to a glacier avalanche.

Since then, the volume of Palcacocha dropped by 96 percent over three decades.

"But then, due to the rapid recession of the glaciers due to [global warming](#), the lake has grown rapidly," said Walker-Crawford.

© 2022 AFP

Citation: Climate change effect on Peruvian glaciers debated in German court (2022, May 28)
retrieved 23 April 2024 from

<https://phys.org/news/2022-05-climate-effect-peruvian-glaciers-debated.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.