




# ADVENTURE GEOLOGY TOURS PATAGONIA

Active Exploration with Enthusiastic Geologists

[www.patagoniageologytours.com](http://www.patagoniageologytours.com)

## Your Guides:

-  **Dr. Tamie J. Jovanelly**  
Geologist, Professor,  
International Researcher,  
and Best-Selling Author
-  **Mr. Joseph Cook**  
Co-Founder

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You will  
not find  
a better  
guided  
tour  
”

“Dr. Tamie Jovanelly is obviously very knowledgeable about geological concepts, but it's her sheer enthusiasm about it that draws you in and makes you want to learn and explore more! She has the ability to explain complex scientific concepts to ordinary folks”

-Smithsonian Associates Program Curator

Are you ready to see 2,000 miles of Patagonia? Known as one of the most stunning and remote places in the world, straddling both Chile and Argentina, each side offers its own unique natural wonders and breathtaking geological formations.

We'll start with the driest desert in the world (Atacama) and travel all the way to the southern tip of Chile to visit penguin colonies by the Strait of Magellan. We will explore 5 regions and 6 ecosystems, hitting the highlights of volcanoes and glaciers along the way. Chilean geologists and a naturalist accompany us throughout the trip who are regional experts. As a company, we strive to create trips that are diverse in educational experiences and landscapes, while maintaining a reasonable amount of comfort, luxury, and FUN. Don't let this opportunity slip by!

Dr. Tamie J. Jovanelly created AGT by following her passions for geology, teaching, and travel. She is a Geological Society of America Fellow, a 2X Fulbright Research Scholar, and a best-selling author (Iceland: Tectonics, Volcanics, and Glacial Features, Wiley, 2020). Dr. Jovanelly is currently writing her second book on Volcanoes for Oxford University Press and is a featured host on The Earth Unlocked for The Weather Channel.



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TRAVERSE 2000 MILES AND SIX  
UNIQUE ECOSYSTEMS COVERING  
5 PATAGONIA REGIONS IN OUR  
14-DAY EXCURSION





Book a  
14-day  
excursion

“  
We had so  
much fun  
WHILE we were  
learning!”  
”

“  
Memorable  
trip!”  
”

## DISCOVER GEOLOGICAL WONDERS

Embark on a captivating 14-day journey through the geological wonders of Patagonia, where ancient landscapes, volcanoes, geysers, and seismic history come to life. Begin in the arid beauty of Chile's Atacama Desert, exploring the Salt Mountain Range and the expansive Atacama Salt Flats, before witnessing the power of El Tatio Geysers. From there, travel south to Valdivia, a city reshaped by the 1960 Great Chilean Earthquake, where you'll navigate the rivers and wetlands that tell the story of this seismic event.

Explore the stunning volcanoes of the Lake District, including Osorno and Calbuco, where lava flows and ancient forests reveal the ongoing transformation of this dynamic region. Your journey then takes you deep into the heart of Torres del Paine National Park, a geological paradise filled with towering granite peaks, glaciers, and dramatic rock formations shaped over millions of years.

In southern Patagonia, hike through rugged landscapes and experience the majestic Patagonian steppe, with its sub-Antarctic forests and volcanic terrain. Along the way, encounter wildlife, from flamingos in the Atacama to Magellanic penguins on Magdalena Island, before delving into the volcanic heart of Pali Aike National Park. This unforgettable expedition combines adventure, science, and nature, offering a unique opportunity to explore Patagonia's most awe-inspiring geological features.

Join us for this once-in-a-lifetime experience, perfect for those with a passion for the Earth's raw beauty, unique flora and fauna, and dynamic landscapes.

## ABOUT THE TOURS

A guided tour of Patagonia with expert geologists offers an unparalleled opportunity to connect with the region's stunning landscapes on a deeper level. As you explore everything from ancient lava fields to towering granite peaks, your guides will provide context and insights that transform each hike and visit into an immersive learning experience. Beyond just sightseeing, you'll gain a richer understanding of the Earth's dynamic processes, making this adventure both intellectually rewarding and visually spectacular.

These tours are designed for those interested in Patagonia's unique landscapes, with no prior geology knowledge required. Before departure, Dr. Jovanelly will provide introductory videos and reading materials on key geological concepts (e.g., volcanism, tectonics, glaciers, fjords) to build your foundational knowledge, preparing you for more advanced discussions during the trip.

Also, please know that the content for the trip can be altered for school or university groups who are interested in learning advanced concepts.

“AMAZING PROGRAM! I have a background in geology, and she had enough info for people with some knowledge and complete novices alike. Well done.”

-Smithsonian Associates Short-Course Participant

### For the cost of the trip you will receive:

- 13 nights accommodations with private bathrooms
- All breakfasts, daily boxed lunch, and afternoon drinks & local snacks
- All in-country transportation from start (4 domestic flights, private bus)
- Welcome reception and group dinner
- Geology interpretation at field sites by 3 regional expert geologists
- Security of having an on-site health care professional and on-going logistics coordination
- Gratuities and carbon offset
- Adventure Geology Tours Patagonia t-shirt & fancy water bottle
- Color printed field guide
- Many included activities, such as: stargazing excursion in Atacama desert, river boat ride in Valdivia, expedition to Isla Magdalena (penguin island), entrance fees to all Forest Reserves & National Parks, guided hikes in Torres del Paine (both Argentina and Chilean sides)

### Not included:

- International flight to and from Santiago, a flight to El Loa Airport (CJC) in Calama, Dinners, boat excursion in Torres del Paine NP

\*prices are subject to change should airline ticket price or petroleum costs increase

## SAMPLE ITINERARY

**Day 1: Arrival in the Atacama Desert** Arrive at Calama Airport and transfer to San Pedro de Atacama, the gateway to the Atacama Desert. After settling in, enjoy a light activity such as a stroll through town to acclimate to the altitude. Get to know your fellow travelers at our welcome reception and group dinner.

**Day 2: Salt Mountain Range & Atacama Salt Flats** Explore the Salt Mountain Range, a unique landscape of salt, gypsum, and clay deposits, featuring striking natural sculptures, caves, and ridges. Later, visit Laguna Chaxa in the Atacama Salt Flats, home to flamingos and other bird species.

**Day 3: El Tatio Geysers & Astronomical Night** Early departure to El Tatio Geysers, one of the world's highest geyser fields. Explore over 80 active geysers and fumaroles, with views of nearby volcanoes. On the way, stop at lagoons and wetlands to observe flamingos. In the evening, enjoy stargazing in one of the clearest skies on Earth.

**Day 4: Travel to the Los Rios Region** Fly from Calama to Santiago, connect to Valdivia, a city known for lush forests and seismic history.

**Day 5: Valdivia Exploration:** Explore Valdivia, learning about the 1960 Great Chilean Earthquake and its dramatic impact on the rivers and wetlands. A boat trip through the region's waterways offers a firsthand view of these changes.

**Day 6: Volcanoes of the Lake District** Travel through the Lake District, focusing on volcanic landscapes shaped by the subduction of the Nazca Plate. Visit the towering Osorno Volcano and enjoy stunning views of its surrounding area.

**Day 7: Osorno Volcano & Petrohué Falls** Visit Vicente Pérez Rosales National Park to explore Osorno Volcano and picturesque Petrohué Falls. The falls, framed by volcanic rocks, offer a breathtaking sight.

**Day 8: Calbuco Volcano Hike** Hike the south face of Calbuco Volcano, one of Patagonia's most active volcanoes, and explore lava formations and ancient forests. At the summit, enjoy panoramic views of the surrounding landscapes.

**Day 9: Travel to Southern Patagonia & Puerto Natales** Fly to Puerto Natales, entering the heart of southern Patagonia. Explore the Patagonian steppe, wetlands, and fjords. In the afternoon, enjoy a walk around town and the waterfront.

**Day 10: Torres del Paine National Park** Spend the day exploring Torres del Paine National Park, with hikes through valleys and glacial lakes beneath the towering granite spires of the Torres del Paine massif. Admire rock formations shaped by millions of years of geological activity.

**Day 11: Torres del Paine National Park** Continue exploring Torres del Paine, with opportunities to learn about the region's biodiversity and geology. Visit new areas within the park, including viewpoints and pristine environments.

**Day 12: Punta Arenas & Penguin Colony** Drive from Puerto Natales to Punta Arenas and take a half-day excursion to Magdalena Island in the Strait of Magellan. Visit the largest colony of Magellanic penguins in Chile and learn about their unique ecosystem.

**Day 13: Pali Aike National Park** Explore Pali Aike National Park, a region of volcanic craters, extensive lava fields, and stark, lunar-like landscapes. The park offers a fascinating look at the volcanic past.

**Day 14: Return to Santiago** After a final breakfast, transfer to the airport for your flight back to Santiago and then home.