

# Technical visits

## ABOUT TECHNICAL VISITS

Please register early! Technical visits will be cancelled if they do not reach the minimum number of paid participants by 15 February 2014.

Minimum and maximum numbers of participants are noted. **If the visit for which you have registered does not meet the minimum number by 15 February, IAIA HQ will notify you and provide refund information or offer to transfer you to another visit. After 15 February, registrations will be accepted on a first-come, first-served basis until 19 March or the visits reach the maximum number.** Registrations will be processed in the order that payment is received.

Prices for technical visits are shown in US dollars. **Participants must be pre-registered and pre-paid to participate.** If you must cancel, the fee will be refunded, less an administration fee of 25% of the technical visit cost and contingent upon written notice of cancellation received in HQ by 19 March. After that time, no refunds will be issued.

The tours will be hosted in English.

Family members of registered delegates are welcome to register for technical visits at the same rate.

**Tours depart from the congress center unless otherwise noted. Plan to check in for the visit a minimum of 15 minutes prior to the noted departure time.**

**Liability statement:** IAIA, the organizing committee, and the venue will not be responsible for medical expenses, accidents, losses or other unexpected damage to property belonging to conference participants, either during or as a result of the conference and during all tours and events. Participants are strongly advised to arrange their own insurance for health and accident, lost luggage and trip cancellation.

Participants will be required to sign a liability release waiver upon check-in for the visits.

Reminder: *IAIA advises delegates to plan ahead: prepare and apply for visas and all other travel documents early.* Please apply for your visa at the same time as you send your conference registration to ensure that your visa is received in time for the conference.

## IMPORTANT DATE: 15 FEBRUARY

### A | TINGUIRIRICA VALLEY HYDROELECTRIC POWER STATIONS

The visit will cover two medium-scale run-of-river hydroelectric projects in the Tinguiririca Valley: La Higuera and La Cumbre. Experts will explain the projects, the environmental impact process, and their public relations program.

**CANCELLED**

The visit is organized in two days. On the first day, travel to the town of Santa Cruz in the Colchagua valley, where there will also be an option to visit the well-known Santa Cruz Museum or to try wine tasting at a local vineyard. The second day will consist of the excursion to the Tinguiririca Valley and return trip to Viña del Mar.

**Sunday and Monday, 6-7 April**  
**Depart Sunday 08:00 | Return Monday 19:00**  
**Photo identification is required.**  
**Minimum-Maximum 25-35**  
**Price \$520**

Price includes bus transportation, meals, admission fee for wine tour or museum, and overnight accommodation.

**Special notes:** Moderate level of physical activity. Safe shoes for industrial area, jacket for evenings or wind, sunglasses, sunscreen, and hats are recommended. Light rain is possible.

The return time on this visit may be subject to change due to the distance involved.

### C | PORT CITY SAN ANTONIO

San Antonio is one of Chile's major ports, and has seen great industrial development in recent years due to its geographical location. Many projects are in the process of impact assessment or construction. Delegates will visit one of Maersk Container Industry's manufacturing facilities for refrigerated containers (one of only three in the world), as well as San Antonio's port, to learn about its expansion plans and projects, including the first strategic assessment process in the city. The trip will end at Isla Negra, a nearby location, to visit the house of famous Chilean poet Pablo Neruda and Chile's vineyards.

**Sunday, 6 April**  
**Depart 08:30 | Return 18:00**  
**Photo identification is required.**  
**Minimum-Maximum 25-40**  
**Price \$160**

Price includes bus transportation, lunch, coffee, and admission fees.

**Special notes:** Moderate level of physical activity. Wear comfortable shoes for walking. Sunscreen and hat recommended.

### B | OVEJERIA DAM AND SANTIAGO CITY

Ovejería dam is one of the largest tailing dams in Chile, receiving mining tailings from CODELCO Andina Division. The project was approved in 1994 and was finished at the beginning of 2000. In recent years there have been some infiltration problems that were not foreseen during environmental assessments. This forced to incorporate additional management, such as installing a hydraulic barrier to minimize infiltration of tailings in the groundwater. Nowadays, Codelco seeks to increase the capacity of this dam from the current 1930 to 5800 million tons, while also requires to solve the infiltration problems.

**Sunday, 6 April**  
**Depart 08:00 | Return 19:00**  
**Photo identification is required.**  
**Minimum-Maximum 25-40**  
**Price \$120**

Price includes bus transportation, lunch, snacks and water, and bilingual city tour guide.

**Special notes:** Moderate level of physical activity. Sports shoes for trekking, jacket for evening or wind, sunscreen, sunglasses, and hat recommended.

The return time on this visit may be subject to change due to the distance involved.

### D | NATURAL DISASTER RESPONSE: CONCEPCIÓN PROVINCE

The 2010 Chile earthquake occurred off the coast of central Chile on Saturday, 27 February 2010, having a magnitude of 8.8 on the Richter magnitude scale. According to the Chilean government, Concepción province was the most affected. The earthquake triggered a tsunami, which devastated several coastal towns in south-central Chile and damaged the port at Talcahuano in the Concepción Province. Delegates will visit an artisan fishing community, "Caleta Tumbes," and major shipyards, for the purpose of learning about implemented reconstruction plans.

**CANCELLED**

**Monday, 7 April**  
**Depart 06:00 | Return 21:00**  
**Photo identification is required.**  
**Minimum-Maximum 25-40**  
**Price \$640\***

Price includes air transportation, ground transportation, lunch, snacks and water, admission fees.

**Special notes:** Moderate level of physical activity. Safe shoes or boots and health compatible with 2600m altitude required.

The return time on this visit may be subject to change due to flight schedules.

**\* Due to air travel, pre-registration and pre-payment is required by 15 February.**

## E | QUINTERO BAY AND CONCHALI LAGOON

Energy and port facilities have been established at Quintero Bay since the 1960s. After the mid-90s, some environmental impacts have been assessed. Additionally, new regulation and air decontamination requirements have been enacted. Despite these actions, the risk perception caused by the long term release of metals and organic pollutants in the surrounding Quintero Bay and the Campiche coastal wetland, as well as neighboring cities and residential areas, has motivated a complete environmental risk assessment conducted by the Ministry of the Environment.

In contrast, at nearby urban port Los Vilos, the Laguna Conchalí Ramsar Site (a coastal wetland) has been effectively protected by Antofagasta Minerals mining company as part of hydrological and biodiversity impact and landscape impact compensation measures.

**Monday, 7 April**  
**Depart** 08:00 | **Return** 19:00  
**Photo identification is required.**  
**Minimum-Maximum** 25-40  
**Price** \$75

Price includes bus transportation, lunch, and snacks and water.

**Special notes:** Moderate level of physical activity. Sport shoes for trekking, jacket for evening or wind, sunscreen, sunglasses, and hats recommended.

The return time on this visit may be subject to change due to the distance involved.

## F | EL YALI NATIONAL RESERVE

El Yali is a wetland which also has been declared a National Reserve. This area emphasizes the protection of 176 vertebrate species, including various migratory birds, the largest and the most representative group in the Reserve. Actually 26% of its species are under some conservation categories. Many agro-industrial activities surround the area, straining the species and soils; therefore, the Environmental Ministry, associated with Parks Canada, decided to develop recuperation programs in order to solve problems and evaluate how climate changes affect the area and how agriculture might be compatible with conservation and sustainable development.

**Monday, 7 April**  
**Depart** 08:00 | **Return** 19:00  
**Photo identification is required.**  
**Minimum-Maximum** 25-40  
**Price** \$140

Price includes bus transportation, lunch, coffee and water, and admission fees.

**Special notes:** Moderate level of physical activity. Sport shoes for trekking, jacket for evening or wind, sunscreen, sunglasses, and hats recommended.

The return time on this visit may be subject to change due to the distance involved.

## G | MINA EL SOLDADO-NOGALES

El Soldado is the AngloAmerican copper mine located at Cordillera El Melon, a protected area with native forest and prehistoric ruins. The mine site, most of them endemic species, particularly on mitigation and compensation measures adopted by the company, which include scientific research studies on forests. The mining project also supports community development at Centro Sembradoras de Sueños (Dream Seeders Centre), an NGO fully committed to local women that acts as a training center for copper jewelry artisans. The also develop environmental projects as they recycle waste materials from the mine.

**CANCELLED**

**Monday, 7 April**  
**Depart** 08:30 | **Return** 18:00  
**Photo identification is required.**  
**Minimum-Maximum** 20-40  
**Price** \$75

Price includes bus transportation, lunch, and water.

**Special notes:** Moderate level of physical activity. Sports shoes for trekking, sunscreen and hat recommended.

## H | CASABLANCA VALLEY WINERIES

The Casablanca Valley is a wine-growing region of Chile located in the Valparaíso region between the Coast Range and the Pacific Ocean. In this valley, two vineyards stand out: Matetic and Emiliana. Their environmental management incorporates the principles of organic farming and biodynamic wine production. Even though this process will be the main focus of the technical visit, visitors will also experience a landscape of great beauty.

**Monday, 7 April**  
**Depart** 10:00 | **Return** 18:00  
**Photo identification is required.**  
**Minimum-Maximum** 25-40  
**Price** \$155

Price includes bus transportation, lunch, and tour fees.

**Special notes:** Moderate level of physical activity. Sport shoes for trekking, jacket for evening or wind, sunscreen and sunglasses recommended.

The return time on this visit may be subject to change due to the distance involved.

## J | EL MOLLE SANITARY LANDFILL AND THE HILLS OF VALPARAÍSO

El Molle is the first sanitary landfill in Valparaíso Province. Still under construction, it has been designed using the best technologies for residential solid waste management. Dr. Marcel Szantó, a well-known researcher and professor and Director of the Solid Waste Group Catholic University of Valparaíso, will guide the visit and show how waste management has been improved. The visit includes lunch at a local restaurant and a walking tour through the hills of Valparaíso, a UNESCO world heritage site. The visit ends at "La Sebastiana," a house of Chilean Nobel Prize poet Pablo Neruda.

**Sunday, 6 April**  
**Depart** 09:00 | **Return** 18:00  
**Photo identification is required.**  
**Minimum-Maximum** 20-40  
**Price** \$105

Price includes bus transportation, lunch, water and coffee, and "La Sebastiana" admission fees.

**Special notes:** Sport shoes for trekking short distances, sunscreen and sunglasses recommended.

## I | MAGALLANES PROVINCE AND TORRES DEL PAINE NATIONAL PARK

Magallanes Province and Chilean Antarctica have a total area of 1,382,033 km. For decades, different productive activities have been carried out in the region. This tour will highlight the environmental liabilities of the region, particularly the pressure on ecosystems from these initiatives on ecosystems has left difficult environmental remediation liabilities.

**CANCELLED**

The visit aims to introduce delegates to two successful ecological restoration activities in the region. The first is Magellan Petroleum's environmental liabilities remediation plan for a sanitation project for 606 graves with the presence of hydrocarbons. Since the plan's implementation, soil revegetation techniques have been developed where hydrocarbons had been deposited for decades, significantly improving the conditions of the sites.

The second activity is the ecological restoration project led by the Ministry of Environment in response to the great fire of late 2011/early 2012 that affected the Torres del Paine National Park. Delegates will learn about the areas devastated by fire as well as the planting and restoration activities that have been developed and the measures taken by public bodies to prevent a similar occurrence.

This visit encompasses two national parks, the stunningly beautiful Torres del Paine National Park and Bernardo O'Higgins Park; the glaciers Balmaceda and Serrano; and the cities of Punta Arenas and Puerto Natales and their respective attractions.

**Sunday to Thursday, 13-17 April**  
**Depart Sunday** 07:00 | **Return Thursday** 19:00  
**Photo identification is required.**  
**Minimum-Maximum** 25-44  
**Price** \$1,550\*

Price includes air and ground transportation, all lunches, dinners, admission fees, and hotel accommodations (double room).

**Special notes:** Moderate level of physical activity. Walking distances are generally short; however, spot morphology may present difficulties for persons with mobility problems. Warm clothing and comfortable hiking shoes, hat, gloves, and sunglasses are recommended. The average temperature at that time of year is typically 6 °C to 12 °C / 42 °F to 54 °F.

**\* Due to the length and logistics involved with this trip, including air transportation, pre-registration and pre-payment are required by 15 February.**