

January 12-17, 2025, Punta Arenas, Chile



# Join the Chilean-German Summer School on Power-to-X!

## Overview

From January 12 to 17, 2025, in Punta Arenas, Chile, explore the future of sustainable energy with a focus on **green hydrogen** and its derivatives like methanol, ammonia, and hydrocarbons. These products, derived from renewable energy sources, are crucial for reducing greenhouse gas emissions in hard-to-electrify applications worldwide.

This event is organized by **Karlsruhe Institute of Technology, Universidad de Chile, Universidad de Magallanes, SERC-Chile, and ISCI**. It will bring together **30-40 PhD students and Postdocs** from Chile and Germany, along with representatives from the industry, academia, and local authorities. Participants will engage in keynote presentations, research discussions, and interactive workshops to address the challenges and opportunities along the whole value chain of international **Power-to-X** projects within the context of the global energy transition. **Collaboration between Chile and Germany** can contribute significantly to unlocking the potential of renewable power and creating sustainable solutions for future generations.

Participants will have a unique opportunity to explore the technological and innovation landscape, engage in networking, and experience the stunning nature of Patagonia.

## Registration fee:

- 300 eur (Academia)
- 800 eur (Industry)

Organized by:



## Venue:

Universidad de Magallanes. Av. Pdte. Manuel Bulnes 01855, 6210427 Punta Arenas

## Recommended hotels in Punta Arenas:

- Hostal Almasur
- Apart Hotel Endurance
- Apart Hotel Quillango
- Hotel Cabo de Hornos
- Hotel Carpa Manzano
- Hostal Labarca

**SUMMER SCHOOL POWER-to-X. January 12 - 17th 2025**

	<b>Sunday - Jan. 12</b>		<b>Monday - Jan. 13</b>		<b>Tuesday - Jan. 14</b>		<b>Wednesday - Jan. 15</b>		<b>Thursday - Jan. 16</b>		<b>Friday - Jan. 17</b>
Time (hh.mm)	<b>Auditorium Ernesto Livacic - Faculty of Engineering UMAG</b>	Time (hh.mm)	<b>Auditorium CADI UMAG</b>	Time (hh.mm)	<b>3° floor- CADI UMAG</b>	Time (hh.mm)	<b>Auditorium CADI UMAG</b>	Time (hh.mm)	<b>3° floor- CADI UMAG</b>	Time (hh.mm)	<b>Auditorium CADI UMAG</b>
<b>15.00 - 16.00</b>	Registration	<b>8.30 - 8.40</b>	Welcome by local authorities		Session 2: Power to X Value Chain		Session 3: Innovation and Start-ups		Field trip		Session 5: Group Evolution
<b>16.00 - 16.20</b>	Opening address- Local Authorities of Punta Arenas	<b>8:40 - 9.00</b>	Introduction to the Summer School by Organizers	<b>9:00 - 10:30</b>	-Overview - Roland Dittmeyer (KIT)  -Grid aspects - Rodrigo Palma (UCH)	<b>9:00 - 10:00</b>	-Phlair (S. Garbe)  -Spark e-fuels (A. Zimmermann)  - Reborn (R. González)	<b>9:00 - 12.00</b>	Visit Haru Oni plant.  First group take a bus at 9:00 am and second group at 10:00 am	<b>9:00 - 9:30</b>	Group reforming
<b>16.20 - 16.35</b>	Welcoming - Claudio Gómez (UMAG)	<b>9.00 - 9.30</b>	Erwin Plett - Low Carbon Chile							<b>9:30 - 10:30</b>	World-Café Phase 1
<b>16.35 - 17.00</b>	„Transforma H2V Magallanes“ - Jonathan Vergara- CORFO	<b>9.30 - 10.00</b>	Regional Aspects of Hydrogen and Energy (Chile) - Ana Maria Ruz CORFO			<b>10:00 -10:30</b>	Panel discussion				
<b>17.00 - 17.20</b>	Energy context of Magallanes - Sergio Cuitino - Ministry of Energy	<b>10.00 - 10.30</b>	<b>Coffee break</b>	<b>10:30 - 11:00</b>	<b>Coffee Break</b>	<b>10:30 - 11:00</b>	<b>Coffee Break</b>			<b>10:30 - 11:00</b>	<b>Coffee Break</b>
		<b>10.30 - 11.30</b>	Keynote speech: Power-to-X as a development vector; Torsten Schwab (GLZ)	<b>11:00 - 13:00</b>	Young Scientists Presentations - 1st part: 15 pitches of 5 min. Moderator: Alexander Navarrete	<b>11:00 - 13:00</b>	Case Study: Successful Energy Projects: INERATEC (S. Michaux), ABB, GASCO.			<b>11:00 - 12:00</b>	World-Café Phase 2
<b>17.20 - 17.40</b>	Challenges of the hydrogen technology in the Magallanes region- Humberto Vidal	<b>11.30 - 12.00</b>	-Logistic organization-							<b>12:00 - 13:00</b>	Presentations by Group Representatives
		<b>12.00 - 14.00</b>	<b>Lunch</b>	<b>13:00 - 14:00</b>	<b>Lunch</b>	<b>13.00 - 14:00</b>	<b>Lunch</b>	<b>13:00 - 14:00</b>	<b>Lunch</b>	<b>13:00 - 14:00</b>	<b>Lunch</b>
<b>17.40 - 18.10</b>	Juris Agüero - ENAP	<b>14.00 - 14.30</b>	„Technological Innovation center H2V“ - Hernán Aráneda (Fundación Chile)	<b>14:00 - 16:30</b>	Young Scientists Presentations - 2nd part: 21 pitches of 5 min. Moderator: Alexander Navarrete	<b>14:00 - 18.00</b>	Outdoor excursion (Fuerte Bulnes)		Session 4: Group Work		
<b>18:10 - 18.30</b>	Closing remarks - Prof. Rodrigo Palma	<b>14.30 - 15.00</b>	Frank Dinter - Fraunhofer					<b>14:00 - 14:30</b>	-What is important for an international PtX project? (Matchmaking)	<b>14:00 - 15:00</b>	-Closing Session -Best Pitch Award Ceremony -Science Slam -Closing Remarks
<b>18.30 - 21.00</b>	Informal gathering	<b>15.00 - 15.30</b>	„ENAP Magallanes – H2 Plant Case“ - A. Rolandelli (NEA)					<b>14.30 - 15.30</b>	-Working Phase 1		
		<b>15:30 - 16:00</b>	<b>Coffee Break</b>					<b>15.30 - 16.00</b>	<b>Coffee Break</b>		
		<b>16:00 - 17:00</b>	Panel Discussion: PtX technologies: Erwin Plett, Ana María Ruz, Hernán Aráneda, Frank Dinter, Juris Agüero	<b>16:30 - 17:00</b>	Closing remarks: Roland Dittmeyer	<b>Evening</b>	Dinner sponsored by GASCO- Hotel Dreams	<b>16.00 - 17.00</b>	-Working Phase 2		
				<b>Evening</b>	Free			<b>17.00 - 18.00</b>	-Goup presentations		
		<b>17:20 - 17:30</b>	Bus to main town					<b>Evening</b>	Dinner sponsored by ABB- Yegua Loca		
		<b>19:00 - 21:30</b>	Dinner - Cabo de Hornos								

**Sponsors:**



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**Supported by:**



Die Zukunft unserer Energie