



Bayerische Repräsentanz für Südamerika  
Argentinien, Chile, Kolumbien, Peru und Uruguay  
Representación del Estado de Bayern para Sudamérica  
Argentina, Chile, Colombia, Perú y Uruguay



## BAYLAT Forum Program

### *Science Diplomacy: Research & Innovation for Projects of the future* **Chile–Bavaria Collaboration on Hydrogen & Lithium**

Wednesday, November 5, 2025 / Auditorium Huanchaca Ruins Antofagasta  
Event in English. Translation available via LiveVoice App: <https://livevoice.io/es>

*Event Moderation: Ursula Brendecke, State of Bavaria Office for South America*

#### 10:00 Registration & Welcome Coffee Networking

#### 10:30 Welcome Remarks

María Cecilia Hernández, Rector, Universidad Católica del Norte (UCN)

Ricardo Hagn, Public Relations and Scholarships Officer at the Bavarian Academic Center for Latin America (BAYLAT)

#### Technical & Research Presentations Antofagasta

#### 10:40 Designing Shared H<sub>2</sub> Infrastructure for Antofagasta

Dr. Javier R. Quispe, Associate Professor, UCN

#### 11:00 UCN Lithium I+D+i: A Regional Battery R&D Hub

Dr. Jaime Chacana, Director UCN Lithium Center

#### Spotlight Talks | Key Insight & Immediate Next Steps

#### 11:20 Sustainable Combustion in Boilers for the Mining Industry

Luis Berrios, CEO Reduce

#### 11:30 Mining in Extreme and Off-Earth Environments

Ricardo Quilamán, Gerente General Esxplore Ltda.

11:40 Instituto de Tecnologías Limpias (ITL) (tbc)

11:50 University or Industry representative (tbc)

#### 12:00 Lunch Break

#### Technical & Research Presentations BAYLAT Delegation

#### 13:00 Hydrogen from Biomass: From Research to Practical Application

Prof. Dr.-Ing. Tobias Plessing, Institute for Hydrogen & Energy Technology, Hof University

#### 13:20 Photocatalytic Pathways to Green H<sub>2</sub>: Semiconductors and Catalysts

Prof. Dr. Roland Marschall, Physical Chemistry III, University of Bayreuth



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**13:40 Power-to-Gas at Scale: Simulation Tools & Roadmaps for the Chile–EU H<sub>2</sub> Corridor**

Dipl.-Ing. Sebastian Arjona, Landshut University of Applied Sciences

**14:00 Electrolyzer and Fuel Cell Operation under Extreme Conditions: Lifetime Prediction with Laboratory Accelerated Stress Tests**

Prof. Dr. Maik Eichelbaum, H2Ohm Institute, Technische Hochschule Nürnberg

**14:20 Coffee Break Networking**

**14:40 FORRS – Catalyzing Energy Transformation by Trade and Digitalization**

Ernesto Buholzer Sepúlveda, FORRS GmbH

**15:00 Resources in Energy Transitions: Identifying Niches and Pathways for Economic Development**

Prof. Dr. Robert Panitz, Weihenstephan-Triesdorf University of Applied Sciences

**15:20 Social License to Operate: Institutional Challenges for the Energy Transition**

Prof. Dr. Johannes Glückler, Ludwig Maximilian University of Munich

**15:40 Foundations for Hydrogen & Lithium Infrastructure: Building Safely**

Esteban Venegas Franzolini, Senior/Project Manager, BAUER Spezialtiefbau

**16:00 Next Steps & Closing Remarks**

Pamela Valdivia, State of Bavaria Office for South America and Ricardo Hagn, BAYLAT

In cooperation with:

