

Day 1 Morning

8:30 — **Registration and arrivals**

9:15 — **Welcome & Opening Remarks.**

Overview of objectives and format of the meeting.

9:30 — **Keynote**

Andrés Jordán *Overview of Exoplanet Research from Chile*

10:10 — **Key Community Updates.** Short updates (7 min each) from different groups

- David R. Anderson *La búsqueda de exoplanetas en tránsito liderada por la UCN*
- James Jenkins *Exoplanet research from UDP/CATA*
- Patricio Rojo *Planetary Sciences at U. Chile*
- Jeremy Tregloan-Reed *Exoplanets in Chile International collaborations and northern state telescopes*
- Alice Zurlo *Exoplanet research from YEMS*
- Open timeslots for reports from different groups

11:10 — **Coffee break**

11:40 — **“Vaciado”: Community Mapping.** Each (sub-)community or groups identifies:

Current strengths — Tools, facilities, and datasets — Ongoing/planned projects — Gaps, needs, opportunities and dreams

12:45 — **Group presentations**

Day 1 Afternoon

14:30 — **Lightning Talks (3 min per talk)**

- H. Parashivamurthy *TESS analysis of super-Earths around super small stars*
- Ricardo Ramírez *Time-domain H α spectroscopy of wide-orbit planetary-mass companions with VLT/MUSE*
- Michaela Vitkova *Warm gas giants and their friends*
- Suman Saha *Glossy Silicate Clouds on the Scorched Dayside of LTT9779b*
- Scarlett E Royle *The effect of stellar position-velocity clustering and galactic dynamics on exoplanet properties*
- Ignacia Santiago *Long-Term Dynamical Stability of Multiplanet Systems' Rocky Exoplanets in the Habitable Zone*
- Andrea Bernardi *Spectrophotometric analysis and orbital monitoring of directly imaged substellar companions*
- Alejandra Fernández *Autoencoders for Speckle Denoising in ADI Sequences*
- Joanne Rojas Molina *RV-Astrometry Synergy in the Detection of Warm Giants*
- Ilaria Giovannini *Looking for satellites with doppler measurements of directly imaged exoplanets and brown dwarfs*
- Bárbara Rojas-Ayala *Bayesian Model Averaging for Homogeneous Stellar and Exoplanet Characterisation from Late-K to Ultracool Dwarfs*

16:00 — **Coffee break**

16:30 — **Contributed talks (10 min each)**

- Felipe Lagos-Vilches *Observational Constraints on the Incidence of Substellar Companions to Young Massive White Dwarfs with VLT/ERIS*
- Carolina Charalambous *Lithium abundance in TOI-xxx: testing the planet-engulfment hypothesis*
- Connor Cheverall *Ground-based Atmospheric Characterization of Volcanic Super-Earth L98-59d at High Spectral Resolution*
- Adam Rains *VLT/CRIRES+ observations of warm Neptune WASP-107 b: Molecular detections and challenges in ground-based transmission spectroscopy of cooler and cloudy exoplanets*
- Kevin Hoy *First Evidence of Radial Velocity Signal from Satellite(s) Around a Substellar Companion*
- Gijs Mulders *Exoplanet Water Worlds: What are they and where can we find them?*
- Claudia Aguilera-Gómez *Polluted White Dwarfs as Probes of Exoplanetary Systems*
- Jhon Yana Galarza *What Can Alpha-Enhanced Stars Tell Us About Exoplanets?*
- Marcela Best *Kepler in Kepler: how an “alien” astronomer would develop Kepler’s Third Law*

Day 1 Evening

18:00 — **Community Icebreaker** (food/drinks)

Public talk at Universidad Católica de la Santísima Concepción (time and place to be defined)

Day 2 Morning

9:30 — **Recap & Inspiration Talks.** Review of Day 1 + short “provocations” talks about:

- E-ELT opportunities and other coming facilities
- new surveys
- AI for exoplanets

10:15 — **Mixed-Community Dialogues.** Participants rearrange into **diverse mixed groups**. Each group discusses:

- Collaboration opportunities
- Chile's role in global exoplanet science
- Barriers to collaboration

11:15 — **Coffee Break**

11:50 — **Plenary Report-Back (~1 hr)**

- Groups summarize key ideas
- Cluster outputs on a “community map” (wall or screen)
- Emergent themes guide the afternoon's seed-lab topics

Day 2 Afternoon

14:00 — **Lightning talks (3 min each)**

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| ○ Fernando Castillo M. | Survival of vortices in gas-rich debris disks |
| ○ Erick Montoya | Unveiling the real geometry of the FU Orionis system |
| ○ Constanza Norambuena Herrera | Polluting white dwarfs: a dynamical study |
| ○ Alex Mauch-Soriano | Predicted incidence of Jupiter-like planets around white dwarfs |
| ○ Sidharth Aroli Veettil | The 14N/15N and 12C/13C isotopic ratios in the protoplanetary disk around V4046 Sgr |
| ○ Constanza Castillo | The formation of formaldehyde (H ₂ CO) in protoplanetary disks |
| ○ Marie M. Rodríguez S. | Variability and Geometry of the Bry Emission in HD 100546 from VLTI/GRAVITY |
| ○ Milenne Avila Bravo | Planetary architectures under the influence of a stellar binary |
| ○ Lucas Gonzalez-Rivas | Not Just Gas: How Solid-Driven Torques Shaped the Migration of the Galilean Moons |
| ○ Grace Batalla Falcon | Evolution of the silicate feature in protoplanetary disks |
| ○ Camilo González-Ruilova | Can the environment affect the planet formation? |
| ○ Philipp Weber | Planet formation in the light of stellar accretion bursts |

14:40 — **Contributed talks (10 min each)**

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| ○ Nicola Astudillo-Defru | Searching for terrestrial exoplanets with optimized radial velocities |
| ○ Carlos Ferreira | Beyond BLS: A New Approach to Exoplanet Period Detection |
| ○ Claudio Caceres | A search for free-floating planets in nearby young stellar associations |
| ○ Neda Hejazi | Exploring Planetary Formation and Composition Using Detailed Chemical Abundances of Host Stars |
| ○ Marcelo Tala Pinto | Characterization of the iLocator spectrograph |
| ○ Matthias Schreiber | The importance of tides for the survival of planets during late stellar evolution |

15:40 — **Collaboration Seed-Labs.** Self-organized breakout groups form around concrete ideas. For example:

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| • Joint proposals | • Training programs or student exchanges |
| • Shared data/AI tools or open repositories | • Outreach and public engagement initiatives |

16:20 — **Coffee Break**

16:45 — **Seed-Lab Pitches (5 min/each).** Groups present concrete next steps and timelines.

17:15 — **Community Strategy Session (Roadmap Discussion).** Possibly as a small panel

- National priorities
- Future facilities
- Student training pathways

Day 2 Evening

Public talk at Universidad Católica de la Santísima Concepción (time and place to be defined)

Day 3 Morning

9:45 — **Student-led reflection session.** A session organized by students, moderated by postdocs.

- Training needs
- Mentoring networks
- What barriers do students face in Chile?
- Community structure (how can the community better support early-career researchers?)
- Guided reflections on the need of national summer schools on exoplanet research, statistics and machine learning, or other topics
- Chilean exoplanet Slack workspace

10:45 — **From ideas to Working Groups**

11:00 — **Coffee Break**

11:30 — **Working Groups and Commitments.** Here's where we consolidate initiatives from seed labs and other sessions.

- Organizers compile “exoChile 2026 Community Initiatives”

12:00 — **Community Roadmap Discussion**

12:45 — **Next Steps and Closing Remarks**

- Who hosts exoChile2027
- Creation of communication channels

13:00 — **Farewell and Group Photo**