

D5.6 Materials From Final Conference



EXOHOST

Grant Agreement 101079231



Funded by
the European Union



UK Research
and Innovation

Document Control Page

Document Control Page	
Document Title:	Materials From Final Conference
Project Title:	EXOHOST - Building Excellence in Spectral Characterisation of Exoplanet Hosts and Other Stars
Document Author:	Anna Aret
Description:	Materials from the project final conference held in Tartu.
Project Coordinator:	Assoc. Prof. Anna Aret
Contributors:	Anna Aret, Eric Stempels, Karin Pai, Merili Jauk, Kertu Metsoja
Date of Delivery:	12.12.2025
Type:	R – Document, report
Language:	EN-GB
Rights:	Copyright EXOHOST
Sensitivity:	☒ Public ☐ Limited ☐ Classified
Status:	☐ In Progress ☐ For Review ☒ For Approval ☐ Approved

Document history:

The Document Author is authorised to make the following types of changes to the document without requiring that the document be re-approved:

- Editorial, formatting, and spelling
- Clarification

To request a change to this document, contact the Document Author or Project Coordinator.

Changes to this document are summarised in the following table in chronological order (latest version last).

Revision History			
Version	Date	Created by	Short Description of Changes
0.1	12.11.2025	Anna Aret (UT)	First Draft
0.2	20.11.2025	Eric Stempels (UU)	Amendments
1.0	09.12.2025	Merili Jauk (UT)	Finalised for submission

Configuration Management: Document Location

The latest version of this controlled document is stored in [EXOHOST Sharepoint Portal](#).

Document Approver(s) and Reviewer(s):

NOTE: All Approvers are required. Records of each approver must be maintained. All Reviewers in the list are considered required unless explicitly listed as Optional.

Approvers and reviewers			
Name	Role	Action	Date
Eric Stempels	Member of steering board	Reviewed, approved	12.12.2025
Anna Aret	Project Coordinator	Reviewed, approved	09.12.2025

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1 Executive Summary

This deliverable provides an overview and public record of the final EXOHOST conference Exploring Star–Planet–Disk Connections, held at the University of Tartu Library, Tartu, Estonia, on 14-16 October 2025. The report summarises the conference organisation, programme, participation, and openly accessible materials (webpage, abstract book, and video recordings). The event served as a key dissemination and networking event within EXOHOST, advancing collaboration and knowledge exchange in the field of stellar and planetary astrophysics. EXOHOST project is funded by the European Union’s Horizon Europe research and innovation programme under grant agreement No. 101079231 (EXOHOST), and by UK Research and Innovation (UKRI) under the UK government’s Horizon Europe funding guarantee (grant number 10051045).

2 Overview of the Conference

2.1. Objectives

The conference aimed to:

- Bring together researchers studying the interlinked processes of stellar, disk, and planetary evolution.
- Present and discuss the latest advances in stellar characterisation, exoplanet detection, and circumstellar environment studies.
- Strengthen international collaboration and develop tools and methodologies relevant for future missions such as Ariel and TESS.
- Enhance the awareness of UT Tartu Observatory (UT TO) research and its facilities among researchers in the relevant fields.
- Enhance UT TO experience with organising large conferences.

2.2. Organising Structure

Scientific Organising Committee (SOC)

Chair: Anna Aret

- Anna Aret (UT TO, Estonia)
- Margarida Cunha (IA, Portugal)
- Caroline Dorn (ETH Zürich, Switzerland)
- Luca Fossati (IWF, Austria)
- Ulrike Heiter (UU, Sweden)
- Mihkel Kama (UCL, United Kingdom)
- Laura Magrini (INAF, Italy)
- Heleri Ramler (UT TO, Estonia)
- Amaury Triaud (UOB, United Kingdom)

Local Organising Committee (LOC)

Chair: Karin Pai

- Karin Pai
- Anna Aret
- Heleri Ramler
- Merili Jauk
- Alexandra Lehtmetts
- Laurits Leedjärv
- Tõnis Eenmäe
- Sandipan Borthakur
- Kertu Metsoja

3 Programme Overview

3.1. Structure of Scientific Sessions

The scientific programme was divided into thematic sessions. Each session began with an invited talk followed by several contributed oral presentations. The final session, Future Instrumentation, consisted entirely of invited talks.

A dedicated poster session took place on the evening of Day 1, providing an opportunity for informal scientific discussions and for students and researchers to present their ongoing work.

3.2 Programme Summary

See full programme in the Annex 1.

Day 1: 14 October 2025

- Welcoming address by Prof. Antti Tamm, Director of UT Tartu Observatory
- Overview of EXOHOST project by Anna Aret, PI of the project (UT TO, Estonia)
- **Session 1: Fundamental Stellar Properties**
 - Session Moderator: Heleri Ramler (UT TO, Estonia)
 - Invited talk: Camilla Danielski (University of Valencia, Spain): The Star Sets the Stage: Understanding Exoplanets Through Their Hosts
- **Session 2: Stellar Activity**
 - Session Moderator: Maria Tsantaki (INAF, Italy)
 - Invited talk: Savita Mathur (IAC, Spain): Magnetic Lives of Solar-like Stars: Implications for Exoplanet study

Day 2: 15 October 2025

- **Session 3: Stellar Chemical Composition**
 - Session Moderator: Ulrike Heiter (Uppsala University, Sweden)
 - Invited talk: Elisa Delgado Mena (CAB, Spain): The impact of stellar composition: from galactic chemical evolution to planet formation

Day 3: 16 October 2025

- **Session 4: Elemental Abundances in Planet Formation**
 - Session Moderator: Giovanna Tinetti (KCL, UK)
 - Invited talk: Diego Turrini (INAF, Italy): Genetic links and compositional connections between stars, their circumstellar disks and their planets
- **Session 5: Stellar Abundances & Planet Composition**
 - Session Moderator: Luca Fossati (IWF/OEAW, Austria)
 - Invited talk: Vardan Adibekyan (IA, Portugal): From Stellar Atmospheres to Planetary Interior

Day 4: 17 October 2025

- **Session 6: Future Instrumentation**

- Session Moderator: Anna Aret (UT TO, Estonia)
- Invited talks:
 - Giovanna Tinetti (KCL, UK): Ariel Space Mission
 - Juan Cabrera (DLR, Germany): PLATO
 - Ana Ines Gomez de Castro (UCM, Spain): The unique capabilities of the Habitable Worlds Observatory for the investigation of the evolution of young planetary systems.
 - Daniel Angerhausen (ETH Zürich, Switzerland): LIFE looks for life - characterizing rocky worlds with the Large Interferometer for Exoplanets concept
 - Marica Valentini (AIP, Germany): The Milky Way in the 4MOST era
 - Enric Pallé (IAC, Spain): Probing the Cradle of Planets: How ANDES@ELT will unravel the link between protoplanetary disks and exoplanetary systems

The day ended with announcing winners of the best poster and best meme competitions.

4 Conference Materials

All materials from the conference are publicly accessible through open repositories and platforms:

- Conference webpage: <https://exohost2025.ut.ee>
Includes the programme, practical information, information about organisers and invited speakers, links to the abstract book and presentation recordings. The webpage is hosted by the University of Tartu and will remain active also after the end of the project.
- Abstract book: Available on Zenodo (<https://doi.org/10.5281/zenodo.17607055n>)
Includes all accepted abstracts and author information.
- Presentation recordings: <https://www.youtube.com/@Tartuobservatoorium>
Presentations were live streamed on YouTube. Full-day video recordings:
 - Day 1 <https://www.youtube.com/live/0yfZRtRTYgU>
 - Day 2 <https://www.youtube.com/live/7RmVeYB3xr8>
 - Day 3 <https://www.youtube.com/live/OSz6zxGFNxs>
 - Day 4 <https://www.youtube.com/live/1V2Y0V7iOol>

5 Communication and Dissemination Impact

The conference represented the key dissemination event of the EXOHOST project. It:

- Provided a platform for presenting project outcomes and related research.
- Strengthened the European community focused on star–planet–disk research.
- Engaged early-career scientists and PhD students in EXOHOST’s scientific focus areas.
- Increased the project’s visibility through the website, social media announcements, and recorded content available online.

See list of communication channels in **Annex II** and conference photos in **Annex III**.

7 Conclusions

The Exploring Star-Planet-Disk Connections conference successfully achieved its objectives of dissemination, collaboration, and community-building. All conference materials are archived for long-term access and will continue to support the scientific visibility and legacy of EXOHOST.

8 Annexes

List of Annexes:

Annex 1: Programme

Annex 2: Communication channels

Annex 3: Photos

Annex I: Programme

<https://exohost2025.ut.ee/programme/>

Detailed daily programmes:

- Day 1 <https://sisu.ut.ee/wp-content/uploads/sites/855/Schedule-Day-1-14.10-8.pdf>
- Day 2 <https://sisu.ut.ee/wp-content/uploads/sites/855/Schedule-Day-2-15.10-5.pdf>
- Day 3 <https://sisu.ut.ee/wp-content/uploads/sites/855/Schedule-Day-3-16.10-6.pdf>
- Day 4 <https://sisu.ut.ee/wp-content/uploads/sites/855/Schedule-Day-4-17.10-7.pdf>

<https://exohost2025.ut.ee/programme/>

Exploring Star-Planet-Disk Connections												
14–17 October 2025												
University of Tartu Library												
Tuesday 14 October			Wednesday 15 October			Thursday 16 October			Friday 17 October			
9:00	0:30	Arrival and Registration, Welcome Coffee	7:20	8:00	Morning Run	9:00	0:30	Welcome Coffee	9:00	0:30	Welcome Coffee	
9:30	0:15	Welcome and Introduction <i>Welcoming remarks by Antti Tamm</i>	9:00	0:30	Welcome Coffee	9:30	0:40	Session 4: Elemental Abundances in Planet Formation <i>Invited speaker: Diego Turrini, INAF, Italy Session Moderator: Giovanna Tinetti</i>	9:30	0:30	Session 6: Future Instrumentation <i>Session Moderator: Anna Aret</i>	
9:45	0:15	Overview of the EXOHOST project <i>Anna Aret (TO, Estonia)</i>	9:30	0:40	Session 3: Stellar Chemical Composition <i>Invited speaker: Elisa Delgado Mena, CAB, Spain Session Moderator: Ulrike Heiter</i>						Ariel (Giovanna Tinetti, UCL, UK)	
10:00	0:40	Session 1: Fundamental Stellar Properties <i>Invited speaker: Camilla Danielski, UV, Spain Session Moderator: Heleri Ramler</i>	10:10	0:15	Edita Stonkute	10:10	0:15	Bertram Bitsch	10:00	0:30	PLATO (Juan Cabrera, DLR, Germany)	
10:40	0:15	Alix Freckelton	10:25	0:15	Masanobu Kunitomo	10:25	0:15	Daisy Turner	10:30	0:30	HWO (Ana Ines Gomez de Castro, UCM, Spain)	
10:55	0:15	Lara Piscarreta	10:40	0:15	Neda Hejazi	10:40	0:15	Giulia Ricciardi	11:00	0:20	Coffee break	
11:10	0:20	Coffee break	10:55	0:15	Jiayue Zhang	10:55	0:15	Heather Johnston	11:20	0:30	LIFE (Daniel Angerhausen, ETH Zürich, Switzerland)	
11:30	0:15	Matthias Ammler-von Eiff	11:10	0:20	Coffee break	11:10	0:20	Coffee break	11:50	0:30	4MOST (Marica Valentini, AIP, Germany)	
11:45	0:15	Nicola Miller	11:30	0:15	Sandipan Borthakur	11:30	0:15	Jason Ran	12:20	0:30	ELT-ANDES (Enric Palle, IAC, Spain)	
12:00	0:15	Andreas Quirrenbach	11:45	0:15	Veronika Mitrokhina	11:45	0:15	Nidhi Rohit Bangera	12:50	0:10	Final words	
12:15	0:15	Tõnis Eenmäe	12:00	0:15	Karolina Szweczyk	12:00	0:15	Anna Thomas	13:00	1:00	LUNCH	
12:30	0:15	Free Slot	12:15	0:15	Andrea Perdomo García	12:15	0:15	Sébastien Paine	14:00		End of the conference	
12:45	0:15	Free Slot	12:30	0:15	Free Slot	12:30	0:15	Luke Keyte				
13:00	1:00	LUNCH	12:45	0:15	Group Photo	12:45	0:15	Free Slot				
14:00	0:40	Session 2: Stellar Activity <i>Invited speaker: Savita Mathur, IAC, Spain Session Moderator: Maria Tsantaki</i>	13:00	1:00	LUNCH	13:00	1:00	LUNCH				
14:40	0:15	Telmo Monteiro				14:00	0:40	Session 5: Stellar Abundances & Planet Composition <i>Invited speaker: Vardan Adibekyan, IA, Portugal Session Moderator: Luca Fossati</i>				
14:55	0:15	Eike Wolf Guenther	14:40	0:15	Yoshi Eschen	14:40	0:15	Yoshi Eschen				
15:10	0:15	Hala Alqubelat	14:55	0:15	Maria Tsantaki	14:55	0:15	Maria Tsantaki				
15:25	0:20	Coffee break	15:10	0:15	Kevin Schlaufman	15:10	0:15	Kevin Schlaufman				
15:45	0:15	Fatemeh Zahra Majidi	15:25	0:15	Alexandra Lehtmetts	15:25	0:15	Alexandra Lehtmetts				
16:00	0:15	Simranpreet Kaur	15:40	0:20	Coffee break	15:40	0:20	Coffee break				
16:15	0:15	Gloria Ganocchi						Subsession on Disks				
16:30	0:15	Bertram Bitsch				16:00	0:15	Antonio Garufi				
16:45	0:15	Break				16:15	0:15	Karina Mauco				
17:00	3:00	Poster session with appetizers				16:30	0:15	Mari-Liis Aru				
						16:45	0:15	Daniel Daza Valdebenito				
						17:00	0:15	Thi My Hanh Tran				
						17:15	0:15	Zuzanna Jonczyk				
						17:30	0:15	Yinuo Han	17:30			
						17:45		End of the session				
20:00		Doors closed				19:00	3:00	Conference Dinner				
Tuesday 14 October			Wednesday 15 October			Thursday 16 October			Friday 17 October			

Annex II: Communication Channels

Date	Channel	Link
	Webpage	Official Webpage of the Exploring Star-Planet-Disk Connections Conference: https://exohost2025.ut.ee/
	Webpage	Event information on the NASA Science webpage: https://science.nasa.gov/astrophysics/programs/exep/resources/exoplanet-meetings/exploring-star-planet-disk-connections-conference/
	Webpage	Event information on Space Agenda: https://www.spaceagenda.com/events/tag/astrophysics/day/2025-10-14/
	Webpage	Event information on Planetary Exploration Newsletter: https://planetarynews.org/meetings.html
12.12.2024	LinkedIn Post	Announcement for the Exploring Star-Planet-Disk Connections Conference (In English): https://www.linkedin.com/feed/update/urn:li:activity:7273063688880693248
10.02.2025	Radio Show “Kuue Samba Taga”	Laurits Leedjärv talked about exoplanets (In Estonian): https://kuku.pleier.ee/podcast/kuue-samba-tag/190641
26.02.2025	LinkedIn Post	Registration is open for the Exploring Star-Planet-Disk Connections Conference (In English): https://www.linkedin.com/feed/update/urn:li:activity:7300414109265620992
22.04.2025	LinkedIn Post	Registration deadline reminder for the Exploring Star-Planet-Disk Connections Conference (In English): https://www.linkedin.com/feed/update/urn:li:activity:7320422422103375872
10.10.2025	Tartu Observatory Webpage	Article at Tartu Observatory website with photo gallery: https://kosmos.ut.ee/et/uudis/tartu-teadlased-aitavad-avada-uksi-kaugete-maailmade-moistmiseks (In Estonian) https://kosmos.ut.ee/en/news/scientists-tartu-observatory-help-open-doors-understanding-distant-worlds (In English)
14.10.2025	LinkedIn Post	The first day of the Exploring Star-Planet-Disk Connections Conference (In Estonian): https://www.facebook.com/tartuobservatory/posts/pfbid0J3NLWDpWsdNH48dcu2MswALyCBtWvmMSrsRG3kP5KD5Kz9FbgpfMg4NEtPxG7p7Ml
14.10.2025	LinkedIn Post	The first day of the Exploring Star-Planet-Disk Connections Conference (In English): https://www.linkedin.com/feed/update/urn:li:activity:7383776118761324544
14.10.2025	Instagram Post	The first day of the Exploring Star-Planet-Disk Connections Conference (In English): https://www.instagram.com/p/DPyN1nzje8V/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWFIZA==
15.10.2025	Radio Show in Kuku Raadio “Kuku Pärestlõuna”	Laurits Leedjärv talked about the Exploring Star-Planet-Disk Connections Conference (In Estonian): https://tinyurl.com/49y6uhsm

16.10.2025	Facebook Post	Announcement of the Exploring Star-Planet-Disk Connections Conference and the Radio Show in Kuku. Also about the EXOHOST project partners (In Estonian): https://www.facebook.com/tartuobservatory/posts/pfbid02m1NABQUnd3ctSQ3X6yJWLeKdUqgLLT8Gsx3dK1ZYb1U3nBQarmgMS1rgBe5jSgZqI
17.10.2025	LinkedIn Post	About the conclusion of the Exploring Star-Planet-Disk Connections Conference with photos (In English): https://www.linkedin.com/feed/update/urn:li:activity:7384919122670850048
19.10.2025	Radio Show in Vikerraadio "Labor"	Participant of the Exploring Star-Planet-Disk Connections Conference, Mari-Liis Aru, gave an interview about her research in the field (In Estonian): https://vikerraadio.err.ee/1609821313/labor-planeedi-tekke-ketas/7f4cf5fe326a8ac52a61e793a6e00d86
20.10.2025	Instagram Post	Participant of the Exploring Star-Planet-Disk Connections Conference, Mari-Liis Aru, made a post about the conference on her Instagram account (In English): https://www.instagram.com/p/DQCXfYjAOq/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWFIZA==
24.10.2025	Facebook Post	Summary of the Exploring Star-Planet-Disk Connections Conference on Tartu Observatory page (In English): https://www.facebook.com/tartuobservatory/posts/pfbid0gxeh33o5S9yxcG9WGPW1fxhdKtc5saqF8AzXMnDat3NsWQwJHekg228We6CY49fal
26.10.2025	Radio show in Vikerraadio "Labor"	Laurits Leedjärv gave an interview about the international collaboration project EXOHOST (In Estonian): https://vikerraadio.err.ee/1609827847/labor-joukus-paistab-kosmosse/a154c3d142293773475c8b7439f88583
28.10.2025	Facebook Post	Post about the radio show in Vikerraadio (in Estonian): https://www.facebook.com/tartuobservatory/posts/pfbid0A22LwRFjFVSB2JJ72bmeubBEeyL9wcuWeXuQhufueFvy4z69udUYvp4asJT753nyI

Annex III: Photos



Photo 1. Conference group photo. Photo by Mana Kaasik.



Photo 2 and Photo 3. Day 1 of the conference. Presenter Anna Aret on the left and presenter Camilla Danielski on the right. Photos by Laila Kaasik.



Photo 4. Day 2 of the conference, presenter Karolina Szewczyk. Photo by Mana Kaasik.



Photo 5. Day 2 of the conference. Photo by Mana Kaasik.



Photo 6. Day 3 of the conference, presenter Antonio Garufi. Photo by Oliver Sepp.

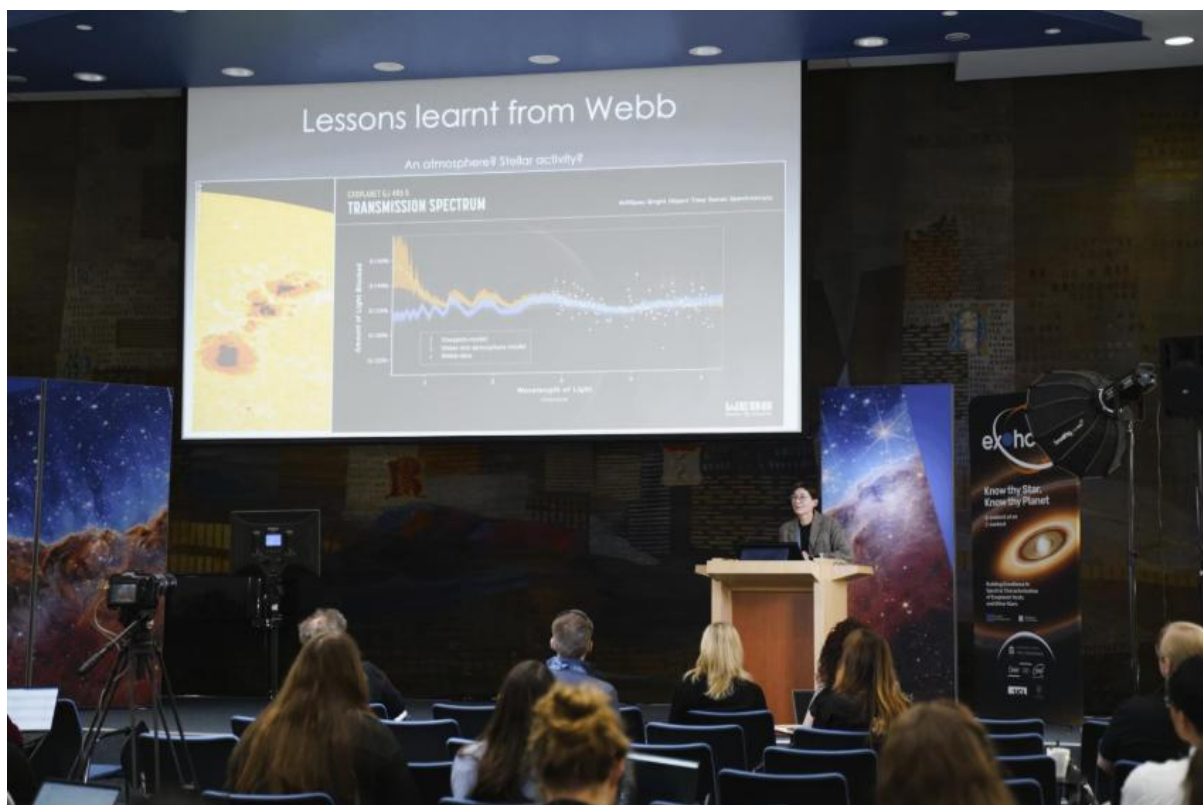


Photo 7. Day 4 of the conference, presenter Giovanna Tinetti. Photo by Oliver Sepp



Photo 8. Day 4 of the conference, presenter Juan Cabrera. Photo by Oliver Sepp.



Photo 9. Poster session. Photo by Karin Pai.



Photo 10. Poster session. Photo by Karin Pai.



Photo 11. Conference dinner at Lodjakoda. Photo by Oliver Sepp.



Photo 12. Conference dinner at Lodjakoda. Performance by the Observatory's band. Photo by Oliver Sepp.



Photo 13. Group photo of the LOC and volunteers. Photo by Oliver Sepp.



Photo 14. Excursion at the Meenikunno Bog. Photo by Alexandra Lehtmetts.



Photo 15. Excursion at the Meenikunno Bog. Photo by Alexandra Lehtmetts.



Photo 16. Excursion at the Old Observatory. Picture by Kärt Soieva.



Photo 17. Excursion at Tartu Observatory. Picture by Kärt Soieva.