VTF - An ESA Ground Based Facility, operated by the Austrian Space Forum

**Indication of interest for a research activity at the VTF**

This form does NOT constitute a formal proposal, but shall serve as a consolidated indication of interest before considering a full proposal, eg for applying for ESA CORA-funding or alternative research funding channels. (remove light grey text before submission)

1. **Institution / Contact:**

Name/Contact details and affiliation of proposing team; feel free to add (potential) collaborators and their institutions.

Individual researchers without institutional affiliation are also welcome, but need to demonstrate their ability to conduct the research at a later point.

e.g.

* Dr. John CARPENTER, Center for cardiovascular space medicine, Medical University of Paris III, France. Email: John.carpetner@university.fr , Tel. +31 3726 1939
* Dr. Fram Fansen, Aerospace Medical Center Tulsa, Sweden, Email: fram.fansen@tulsamedical.se, Tel. +45 12234 577

1. **Research field envisioned / Research topic description (< ½ page):**

Describe your research idea and what the research question could be; explain, why the VTF is a required facility for this type of research.

Feel free to elaborate on previous related studies you have been conducting.

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1. **Likely hardware / capabilities to be provided by the Austrian Space Forum**

[ ] Vertical Treadmill Facility itself

[ ] Aouda high fidelity spacesuit simulator

[ ] 3d-Motion capturing system

[ ] Cardiovascular and/or respiratory monitoring

[ ] Virtual reality capability (starting in late 2026)

1. **Projected utilization time of the VTF (multiple choices possible)**

[ ] Demonstration (1d)

[ ] Short measurement campaign (<5 days of VTF utilization, eg for……..>>YYYYYY)

[ ] Extended measurements (approximately 5-14 days, eg for ….YXXXX)

[ ] Large scale measurement campaign

1. **Envisioned timeline**

Please take into account that the initial conversations with the Austrian Space Forum may take typically 2-3 weeks to arrange, ca 1-4 weeks for compiling a full proposal and ca 8 weeks for the ESA CORA review, plus time to prepare for the experiment and (if applicable) the time for an ethics commission / IRB process before starting an experiment. So a lead time of 4-6 months is plausible.

When would you like to utilize the VTF?

Provide a rough timeframe, eg Q2/2026 for the projected utilization of the VTF. The current research 2025-2026 periode is between September 2025 – December 2026.

* Submit this form by no later than 02Jun2025, 12:00 CEST to [vtf@oewf.org](mailto:vtf@oewf.org)