



**AMENDMENT No. 3 to the AGREEMENT  
CONCERNING THE HOSTING AND OPERATIONS OF THE  
ROBOTIC TELESCOPE REM  
at the La Silla Paranal Observatory in Chile**

between the

- 1. European Organisation for Astronomical Research in the Southern Hemisphere**  
Karl-Schwarzschild-Strasse 2  
D-85748 Garching bei München, GERMANY  
Hereinafter referred to as *ESO*,

on the one hand,

and the

- 2. INAF – Italian National Institute for Astrophysics,**  
Viale del Parco Mellini, 84  
I-00136 Roma, ITALY  
Hereinafter referred to as INAF

on the other hand,

hereinafter referred to collectively as ***the parties***.

**It is agreed as follows:**

The parties modify the initial Agreement signed on 26 February 2013 as follows:

***Article 1***  
***Operation***

The parties extend the initial Agreement signed on 26 February 2013, in the form of its Amendments No. 1 and 2 signed on 26 November 2014 and 5 May 2018 respectively concerning the Hosting and Operations of the Robotic Telescope REM for a period of 36 months, starting on 1 January 2021 until 31 December 2023.

**ANNEX** is updated to bring various prices applicable to certain services to the economic conditions of the year 2020 and to define how such prices shall evolve over time.



European Organisation  
for Astronomical  
Research in the  
Southern Hemisphere

Organisation Européenne  
pour des Recherches  
Astronomiques  
dans l'Hémisphère Austral

Europäische Organisation  
für astronomische  
Forschung in der  
südlichen Hemisphäre

Except for the extent of the modification specified herein, all terms and conditions of the initial Agreement remain unchanged and applicable.

**Enclosures**

**Annex B:** Standard cost rates REM as of Jan 1, 2020

**Signed at Garching....., 2020**  
**for ESO – EUROPEAN ORGANISATION FOR ASTRONOMICAL**  
**RESEARCH IN THE SOUTHERN HEMISPHERE**

.....  
*Prof. Xavier Barcons, Director General, ESO*

**Signed at Rome on December 30th, 2020**  
**For INAF – Italian National Institute for Astrophysics**

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*Prof. Marco Tavani – President of INAF*



## **ANNEX B**

### **Standard cost rates for REM**

1.	<p><b>Contribution to the Operations and Maintenance of the La Silla Site:</b> covering the cost of water, electricity, basic internet, general site infrastructure maintenance (2020 prices).</p> <p>For the year 2021 For the year 2022 For the year 2023</p> <p>INAF has the right to temporarily suspend operations of REM on La Silla. The annual lump sum due to ESO will be decreased by 4% for every period of 2 weeks whenever the telescope will not be operational. These periods will be announced at least one month in advance to the Director General of ESO or his representative. The above rates are subject to revision due to yearly cost variation indexing as approved on an annual basis by ESO internal bodies.</p>	<p>€ 37.700 € 37.700 € 37.700</p>
2.	<p><b>Technical Support</b></p> <p>Additional Technical support may be provided on request and only on a best-effort basis, cost to be defined on a case-by-case basis. Unit costs:</p> <p>Unit costs:</p> <ul style="list-style-type: none"> <li>• Mechanics or electronics support</li> <li>• IT support</li> <li>• Optics support</li> </ul> <p>The above rates for Technical Support are subject to revision due to yearly cost variation indexing as approved on an annual basis by ESO internal bodies.</p>	<p>€ 47,50/hour € 79,30/hour € 79,30/hour</p>
2.	<p><b>Operational Support</b></p> <ul style="list-style-type: none"> <li>• Additional Operational Support of up to 10 hours per week may be provided on request and only on a best-effort basis.</li> </ul> <p>The above rates for Operational Support are subject to revision due to yearly cost variation indexing as approved on an annual basis by ESO internal bodies.</p>	<p>€31,70/hour</p>
3.	<p><b>Board and Lodging Costs in Chile (Rates as of January 1, 2020)</b></p> <ul style="list-style-type: none"> <li>• Lodging in the ESO Guesthouse (Breakfast included)</li> <li>• Main meal in ESO Guesthouse</li> <li>• 24 hrs stay at La Silla</li> <li>• Roundtrip Air Transfer Santiago to/from La Serena</li> <li>• One –way surface transport between La Serena and La Silla</li> </ul> <p>The above prices for board, travel and lodging are subject to revision and are updated on a regular basis and can be found at <a href="http://www.eso.org/sci/observing/travel/visas-instruc.html">http://www.eso.org/sci/observing/travel/visas-instruc.html</a>. The board, travel and lodging prices published on the ESO website shall prevail.</p>	<p>€ 65.00 € 15.00 € 65.00 € 130.00 € 25.00</p>