

## Europlanet TNA Report

### PROJECT LEADER

<b>Name:</b> Olivier Chételat
<b>Address:</b> CSEM, Jaquet-Droz 1, 2002 Neuchâtel, Switzerland
<b>E-mail:</b> <a href="mailto:och@csem.ch">och@csem.ch</a>

### COLLABORATORS

<b>Name:</b>	<b>Affiliation:</b>
Damien Ferrario	CSEM
<b>Date of TNA visit:</b>	April 18-21, 2011
<b>Host laboratory:</b>	Austrian Space Forum (ÖWF)

### Project Title –LTMS-RIO

- Report on the outcomes of the TNA visit (approx 1 page)  
The LTMS (long-term medical survey) system was developed by CSEM ([www.csem.ch](http://www.csem.ch)) for ESA for the physiological monitoring of the crewmember of the Concordia Station in Antarctica.

This activity aimed at trying the LTMS system for the monitoring of the subject while wearing the Aouda.X spacesuit simulator of the Austrian Space Forum at the Rio Tinto old open mine.



Aouda.X spacesuit simulator at Rio Tinto

Several measurement sessions were taken during the activity.



The LTMS system worn as a first-layer shirt integrating the sensors for ECG/respiration/SpO2/activity monitoring.

Please include:

- Publications arising/planned (include conference abstracts etc)

- Host approval The host is required to approve the report agreeing it is an accurate account of the research performed.