

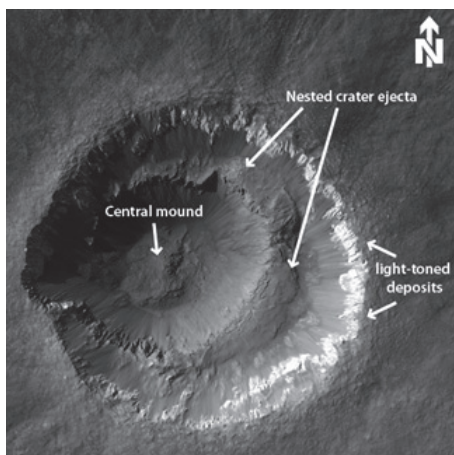
Geowissenschaftliches Kolloquium

Impact Craters as a Key to Modern and Ancient Planetary Environments

Donnerstag, 6. Februar 2014 - 16.15 Uhr

Jens Ormö
(Centro de Astrobiología (CSIC/INTA), Madrid)

Impact cratering differs from most other geological processes in that the dimensions of its products (e.g., the crater and impactites) to great extent can be calculated. Morphological and geological discrepancies between an observed crater and its “standard” calculated equivalent can help to determine inhomogeneities in the target. Such variations can have environmental causes that may have changed since the time of the impact (e.g., ground ice or a layer of seawater). This presentation shows how cratering experiments can assist when unraveling potentially tell-tale vagaries of preserved morphologies of some selected craters on Earth and Mars.



Dr. Jens Ormö studied geosciences at Stockholm University, Marburg University, and Tromsø Uni-

versity before receiving a Ph.D in geology at the Stockholm University in 1998 with the thesis title “Impact Cratering at Sea”. He held a Marie Curie post-doc position 1999-2002 at the International Research School of Planetary Sciences in Italy before moving to Centro de Astrobiología (CAB) just outside Madrid, Spain. At CAB, he is developing the Laboratory for Experimental Impact Cratering as a complement to his field- and remote-sensing studies of terrestrial and planetary impact craters.



Institut für Geologische Wissenschaften

Großer Hörsaal (C.011), Haus C
Malteserstrasse 74-100
12249 Berlin



<http://tinyurl.com/geokolloquium>