Freie Universität Berlin

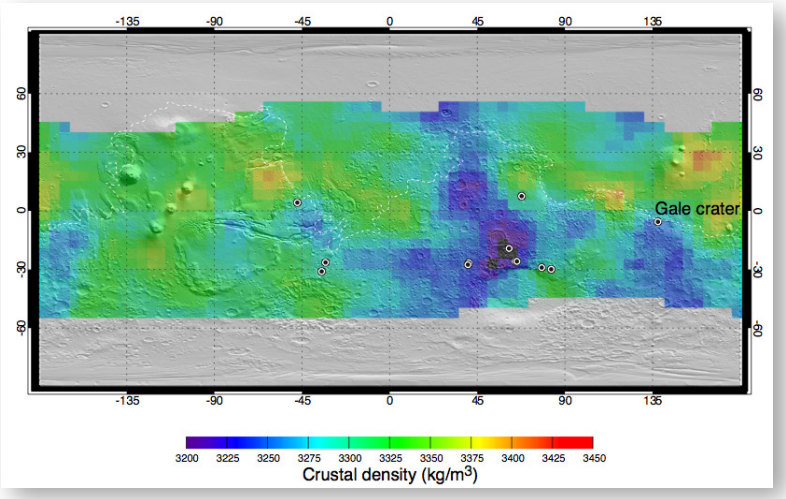
# Geowissenschaftliches Kolloquium

# *The Martian crust and the evolution of Mars interior*

**Donnerstag, 11. Dezember 2014 - 16.15 Uhr**


## David Baratoux
## (Université de Toulouse III - Observatoire Midi-Pyrénées)


Discoveries about surface conditions and past climate on Mars have been the focus of considerable attention over the last four decades, whereas little is known in comparison about the deep or shallow Martian interior, including crustal structure and the dominant mechanism responsible for crustal growth. New insights into these scientific questions will be presented from in-situ (Mars rovers) and remote sensing observations of igneous crustal rocks, exposed at the surface, but reflecting the chemical and thermal evolution of the Martian interior.




**Dr. David Baratoux** received his Ph.D. in Geophysics in 2001 at the University Claude-Bernard (Lyon) and EcoleNormaleSupérieure de Lyon. His main interest is the formation and evolution of planetary crusts, with a focus on impact and magmatic processes. After 10 years of participation in Martian Exploration at the University of Toulouse, he is now based in Dakar and conduct research projects about the geological evolution and the West African craton and the relation with the formation of mineral resources. He his also serving as an Editor for the *Journal of Geophysical Research (Planets)*.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