ZALF Guest Lecture

Global implications of neglecting soil (organic carbon) erosion dynamics for Earth's future.

Dr. Adrian Chappell

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Thursday, **14 February 2019** at 11 am, ZALF Conf. Hall 1, Building 4

Global carbon (C) cycling models assume that soil organic carbon (SOC) is lost by respiration and carbon dioxide (CO2) emission, but erosion by wind and water may substantially contribute to SOC stock loss particularly in environments disturbed by humans. Adrian is a Reader in Climate Change Impacts at Cardiff University, UK. His primary interest is in measuring and modelling wind and water erosion (in drylands) and his focus on soil organic carbon (SOC) erosion is because erosion processes are omitted in Earth System Models which increases uncertainty in climate change projections. He worked previously in Australia as a Senior Research Scientist on national C erosion, C sequestration, sampling and mapping daily rainfall amongst other projects. He has around 100 publications mainly on wind and water erosion modelling and geostatistical modelling and mapping.
He is Editor-in-Chief of Aeolian Research and was President(-elect) of the International Society of Aeolian Research (2014-2018).

All interested ZALF members are cordially invited.
We are looking forward to your contributions in the subsequent discussion.