

Research Project

Improvement of a Model to Convert Areal Activity of 239+240 Pu into Soil Erosion and Sedimentation Rates

Project funded by own resources

Project title Improvement of a Model to Convert Areal Activity of 239+240 Pu into Soil Erosion and Sedimentation Rates

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Organisation / Research unit

Departement Umweltwissenschaften / Umweltgeowissenschaften (Alewell)

Project start 17.12.2015 Probable end 16.12.2016

Status Completed

The objective of this project is to improve the user-friendly software or application (e.g. xls

add-in or MatLab application) for deriving estimates of soil redistribution rates from Plutonium (Pu) measurements. The activities will include the following:

- (i) improvement of Plutonium (Pu) conversion model;
- (ii) Plutonium (Pu) conversion model validation;
- (iii) at the end of the project, the Contractor will deliver to the IAEA the "Plutonium (Pu) conversion Model to assess soil redistribution in agroecosystems" to make it available to the wide public and IAEA Member States through the IAEA website. A joint peer-reviewed publication in collaboration with the Project Officer will present this innovative model to the international scientific community.

Financed by

Other funds

Add publication

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