

# Modelling coupled water and nutrient uptake by the plant root system: a mathematical and numerical approach explicitly based on the root system architecture

## PERSPECTIVES

Owing to the developments in this project, we could propose and participate to larger projects: Rhizopolis (unifying project from Agropolis Foundation) and EuRoot (European project). In these two projects, we aim to refine the root functional architecture models, interacting with transfer processes in the soil, in collaboration with physiologists, geneticists and bio-geochemists. The deliverables aim at a characterization of the functioning in soil of different phenotypes of root systems, particularly in relation with the spatial heterogeneity of resources.

**Responsable :**

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