

# PhD seminar: Pauline Castaing

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Pauline Castaing

## The Great Green Wall, a bulwark against food insecurity? Evidence from Nigeria

avec Antoine Leblois, CEE-M, INRAE, Montpellier

**Discussants** : Francesca Marchetta et Elsa Gautrain

### ABSTRACT

This paper uses the implementation of Great Green Wall project in Nigeria as a quasi-natural experiment to document the local impact of environmental restoration on children's food security. Our identification strategy explores two types of variation to capture these effects. The spatial variation comes from the heterogeneous exposure of the children to these new greening areas. The temporal variation comes from sudden changes between 2013 and 2016. We find a significant 14% to 19% health improvement for children living next to community-based orchards and a 23% to 29% health improvement for children living next to new shelterbelts. Further results confirm that the observed increase in height-to-age occurs through the nutrition channel.

[Download the paper](https://cerdi.uca.fr/medias/fichier/castaing-pauline-great-green-wall_1599642663746-pdf?ID_FICHE=48684&INLINE=FALSE)([https://cerdi.uca.fr/medias/fichier/castaing-pauline-great-green-wall\\_1599642663746-pdf?ID\\_FICHE=48684&INLINE=FALSE](https://cerdi.uca.fr/medias/fichier/castaing-pauline-great-green-wall_1599642663746-pdf?ID_FICHE=48684&INLINE=FALSE))



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