Which futures can ensure food security in the Niayes, Senegal?

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The Niayes area 3/4 of Senegal’s vegetable production. Changes threaten food security:
• urban growth
• expanding extracting activities,
• shrinking groundwater

How to ensure food supply for the growing population of the Niayes?

Our study aims at exploring plausible futures for the Niayes and assessing indicators of food security for each of them.

RESULT 1: Six plausible and contrasted scenarios of the Niayes in 2040

RESULT 2: Simulation of indicators linked to food security

CONCLUSION
We can imagine desirable and plausible future for food security.
Spatial modeling can be used to provide indicators linked to food security, in order to help choosing one or the other future.
Let’s do it!

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