



Plant nutrition



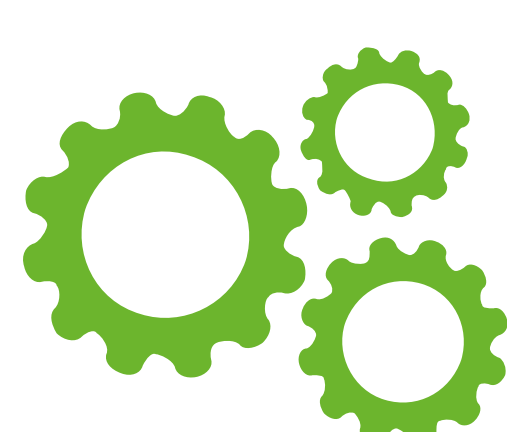
AGRI  
Innovation summit 2019



## Operationnal Group

### SOLINAZO: Innovative solutions for an optimized method of nitrogen management in the crops system

SOLINAZO : Solutions Innovantes pour une gestion optimisée de l'Azote dans les systèmes de culture, le cas du blé



## Practical problem

Degradation of quality (protein rates) in cereals and difficulties with nitrogen management.



## Partners

INRA, Arvalis and Terres Inovia (technical institutes), Chambers of agriculture and FDGEDA du Cher (advisers), Axérial and SCAEL (cooperatives).



## Calendar

Start: 01/01/2017  
End: 01/01/2021



## Budget

Total amount:  
€1,060,657.20

## Objectives of the project

The objective of the operational group is to contribute to the development of effective solutions for protein rates in cereals. It aims also to promote better methods of nitrogen management in the crop system of the Centre Val de Loire region for farmers and the storage agencies. The consortium will test, adapt and share a new method (INRA-ARVALIS) to pilot nitrogen inputs with farmers. The goal is to follow closely the wheat nutrition track. Behind the answer to the farmers and storage agencies quality problem, the consortium aims to reduce the nitrogen inputs and to reduce greenhouse gas.

## Main activities

The first step is to define the decision rules of this new method to bring optimized inputs of nitrogen to wheat. The second step is to test these rules on field and to compare it to the classical methods of fertilization (3 years of trials). The third step is to test this new method with groups of farmers.

## Expected results

Bringing the fertilizer in the most efficient way and avoiding loss of nitrogen in the environment.

## Results so far/first lessons

The new method is more performant in some situations but the Operational Group has to carry on with the experimentation to draw a conclusion.

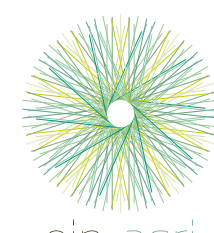
## Who will benefit

All the cereal growers of the Region Centre-Val de Loire, and beyond.

Supported by:



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