



40 YEARS OF RESEARCH ON NITROGEN

20th  
**N**itrogen  
WORKSHOP  
**Coupling C-N-P-S cycles**

*Call for papers*

**Side Event**

Nutrient Management  
& Decision-Support  
Systems

June 25-27, 2018  
Rennes, France

& “Couvent des Jacobins”  
Conference Center  
Agrocampus Ouest

<https://workshop.inra.fr/nitrogenworkshop2018/>



Agrocampus Ouest



Couvent des Jacobins

ORGANISED BY INRA (SAS RESEARCH UNIT) AND  
THE “FERTILISATION & ENVIRONMENT” NETWORK



## Side Event

### Nutrient Management & Decision-Support Systems

The conference aims to present advances in monitoring, understanding and modelling nitrogen transfers and transformations in the environment and agrifood chains. Scientific and societal issues related to the nitrogen cycle are quite diverse: contributions from all disciplines, as well as multidisciplinary approaches, will be welcome. Papers on recent results or ongoing projects are expected, but broader perspectives including considerations of the progress of nitrogen science since the early 1980s will also be welcome.

The main topics of the conference will be:

- N dynamics at fine scales (from microsite to plot)
- N dynamics at broader scales (from landscape-catchment to global)
- N coupling from process studies to environmental impact: how does nitrogen interact with C-P-S?
- N management in farming and agrifood systems, including livestock-cropping systems interactions.

*Plenary sessions of the N Workshop will occur on 25 and 26 June 2018, composed of (1) oral presentation sessions and (2) extended poster sessions preceded by short presentations of selected posters. The morning of 27 June will be dedicated to visits related to themes of the workshop.*

The side event links the knowledge of processes affecting nitrogen and other nutrient cycling and their use for managing cropping and livestock systems. The side event focuses on decision-support tools for inorganic and organic crop fertilization, and diagnostic tools for nutrients management. This seminar aims to provide a relatively complete overview of approaches developed in various European countries and beyond, and to discuss them according to several aspects:

- The conceptual bases of decision-support tools: which approaches are developed in which countries? What operating scales (field, farm, region) do these decision-support tools cover? What farming systems are addressed?
- What tools are available for managing multiple nutrients at the same time?
- Tool dissemination, and tool use with/by actors: which methods, which problems?
- National and European regulations: to what extent are they integrated in tools, and how?

*These issues will be addressed on 27 June 2018, combining a workshop of tool demonstrations, poster presentations and oral presentations in a plenary session.*

**Authors are welcome to submit two-page abstracts online at:**  
**<https://workshop.inra.fr/nitrogenworkshop2018/>**

<b>Closing date for abstract submission</b>	<b>15 January 2018</b>
Response from reviewers	15 March 2018
Deadline for submission of revised abstract	15 April 2018