

SIDE EVENT PROGRAMME

June 27, 2018 ■ 8 a.m. - 5 p.m.
Agrocampus Ouest, Rennes, France

20th
N Nitrogen
WORKSHOP

MORNING

Tool demonstration workshop and Poster session

• 8:00 - 9:00

Registration, posters and demonstrations installation by authors

Main hall, second hall, and classrooms

• 9:00 - 9:15

Introduction to the Side event

Matagrín amphitheatre

• 9:15 - 10:30

First session of tools demonstrations

Different classrooms

• 10:30 - 11:30

Coffee break and poster sessions

• 11:30 - 12:30

Second session of tools demonstrations

Different classrooms

The workshop will consist of a demonstration of 9 decision-support tools for mineral or organic fertilisation and nutrients management. These demonstrations will take place in parallel, and participants will have the possibility to interact with authors of several tools.

- > SOL-AID (Beff, L. et al.), SYST'N (Parnaudeau, V. et al.)
Room 1
- > FARMSTAR (Kammoun, B. et al.)
Room 2
- > MANNER-NPK (Sagoo, E. et al.), COWNEX (Faverdin, P. et al.)
Room 3
- > N-PERENNES (Cahurel, J.-Y. et al.), AZOFERT® (Obriot, F. et al.)
Room 4
- > VEGSYST-DSS (Gallardo, M. et al.), FERTIWEB® (Le Souder, C. et al.)
Room 5

Poster session

Main hall and second hall

Posters will be displayed throughout the day with a one-hour session in the morning with authors during the coffee break.

12:30 - 14:00: Lunch buffet

Main hall, dining room and outdoors

AFTERNOON

Plenary session - Matagrín amphitheatre

• 14:00 - 14:40

Invited speaker: Van Doorslaer, B. (European Commission, DG Agriculture and Rural Development)

The «N» in New Common Agricultural Policy

• 14:40 - 15:00

Hutchings, N.J. (Aarhus University)

Modelling nitrogen flows and losses on dairy livestock farms

• 15:00 - 15:20

Ramos-Castillo, M. (Veolia)

Smartagri: optimization of organic amendments applications

• 15:20 - 15:40

Sagoo, E. (ADAS)

Manner-NPK nitrogen model

• 15:40 - 16:00

Genermont, S. (INRA)

Cadastre_NH₃: a new framework to estimate spatio-temporal ammonia emissions after N fertilization in France

• 16:00 - 16:20

Young, M. (WUR)

A decision-support framework for the integrated evaluation of agricultural management impacts on crop yield, soil quality and environment.

• 16:20 - 16:30

Conclusion

16:30 - 17:00: Farewell café

POSTERS**MAIN HALL****1• SERDAF, a soil-specific nutrient management expert system for sugarcane fertilization in Reunion Island**

Versini, A., Bravin, M.N., Ramos, M., Albrecht, A., Todoroff, P., Collinet, M., Thuries, L.

2• Decision support tool for spring N fertilisation of winter oilseed rape—estimation of N uptake in late autumn using UAV

Engström, L., Wetterlind, J., Söderström, M., Piikki, K., Stenberg, B.

3• A milk urea model to better assess nitrogen excretion and feeding practice in dairy systems

Edouard, N., Dumercy, L., Brun-Lafleur, L., Rouille, B., Favardin, P.

4• Adapting SYST'N for modelling Alfalfa growth

Bedu, M., Reau, R., Dupont, A., Dubrulle, P., Parnaudeau, V.

5• “QN Method” - FARMSTAR: A nitrogen management tool on winter wheat based on remote sensing diagnostic and agronomic prognosis

Soenen, B., Le Bris, X., Closset, M., Bonnard, A., Kammoun, B.

6• Sol-AID: a web application to estimate soil Nitrogen mineralization available for crops in Brittany

Beff, L., Lambert, Y., Squividant, H., Lemercier, B., Vincent, S., Pichelin, P., El azhari, A., Morvan, T.

7• MANNER-NPK nutrient management software: Maximising impact and farmer uptake

Sagoo, E., Nicholson, F.A., Williams, J.R., Thorman, R.E., Bhogal, A., Misselbrook, T.H., Chadwick, D.R.

8• The Joint Technology Network “Fertilisation & Environment” (RMT F&E): Teams, Projects and Tools mobilized around the management of biogeochemical cycles in agricultural systems

Heurtaux, M., Dubrulle, P., Laurent, F., Le Gall, C., Obriot, F., Paillat, J.M., Recous, S., Verbèque, B.

POSTERS**SECOND HALL****9• COMIFER labeling of calculation tools for the predictive dose of nitrogen: approach and outlook**

de Bandt, M., Leconte, L., Agasse, S., Dizien, C., Dubrulle, P., Eveillard, P., Hervé, M., Heurtaux, M., Lambert, M., Laurent, F., Le Roux, C., Le Souder, C., Leduc, D., Recous, S., Verbèque, B.

10• ELFE, a database to determine greenhouse gases and ammonia emissions factors from livestock

Vigan, A., Hassouna, I., Robin, P., Guingand, N., Espagnol, S., Edouard, N., Lorinquer, E., Loyon, I., Genermont, S., Eugene, M., Lagadec, S., Brame, C., Klumpp, K., Ponchant, P., Eglin, T.

11• Diagnosis of N losses in cropping systems in water protection areas from specific stakeholders

Reau, R., Bedu, M., Gratecap, J.B., Pucel, F., Parnaudeau, V.

12• The online support-tool “RAX”: fertilization recommendation with slurry in grasses and forage crops

García, M.I., Báez, D., Castro, J.

13. VegSyst-DSS to calculate N and irrigation requirements IN vegetables grown with fertigation in mediterranean greenhouses

Gallardo, M., Arrabal, F., Padilla, F.M., Peña-Fleitas, M.T., Thompson, R.B.

14• SMARTAGRI: optimization of organic amendments applications

Ramos-Castillo, M., Naves-Maschietto, G., Bisinella de Faria, A. B., Benoist, T., Megel, R., Gouvin, G., Pajean, C., Albuquerque, M., Orvain, M., Revallier, A.

15• From AzoFert® to N-Perennes: adaptation of a dynamic decision support tool for annual crops fertilization to perennial species

Obriot, F., Le Roux, C., Cahurel, J.Y., Dubrulle, P., Recous, S.

16• Cadastre_NH₃: a new framework to estimate spatio-temporal ammonia emissions after N fertilization in France

Genermont, S., Dufosse, K., Ramanantenasoa, M.M.J., Maury, O., Gilliot, J-M.

17• A decision support framework for the integrated evaluation of agricultural management impacts on crop yield, soil quality and environment

Young, M., Ros, G.H., De Vries, W.

Nutrient Management & Decision-Support Systems

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