



## Podur pilot

Concept note |

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<b>ANNEXES</b>	<b>Fout! Bladwijzer niet gedefinieerd.</b>
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1.1	Smith Agro Aspra	
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1.2	Serutec/Optiklep Dustion	<b>Fout! Bladwijzer niet gedefinieerd.</b>
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1.3	Gasolec Fresh light Agro	<b>Fout! Bladwijzer niet gedefinieerd.</b>
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1.4	Static Air PMX	<b>Fout! Bladwijzer niet gedefinieerd.</b>
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2.1	Copeeks SAS	<b>Fout! Bladwijzer niet gedefinieerd.</b>
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2.2.	Stalmeeesters Real time sensing	<b>Fout! Bladwijzer niet gedefinieerd.</b>
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# 1 / Concept note on the Podur Pilot business case (Poultry Dust Reduction)

## GENERAL CONTEXT

In a series of discussions and technical meetings, each of the participating regions have been presented specific solutions for the Digital Platform for agritech solutions. These technological solutions are expected to be incorporated into the platform on digital agritech solutions and form the basis of the specific demonstration cases. This report presents an overview of the state of play of the Podur pilot (pilot on reduction of dust emission in the poultry sector).

The starting point of this pilot business case is the strong interest of innovators in emission reduction in the Dutch FoodValley Region and innovative companies in sensor technology in Brittany and the Netherlands. Fine dust is a problem in the Dutch region "Gelderse Vallei" because of the concentration poultry farms in a relative small area and health problems for men and animals within poultry housings with high dust concentrations in general. The search for easy to install and affordable systems for dust reduction and the use of sensor technology to measure the concentration of fine dust and other emissions are therefore leading this pilot case.

## TECHNOLOGICAL SOLUTIONS PROVIDED

In the beginning of this pilot seven technological solutions (four dust reducing techniques and 2 sensor/monitoring techniques) were identified by S3 HTF partners to be applied to demonstration farms in Brittany, Extremadura, Östergötland, South Ostrobothnia and The Netherlands.

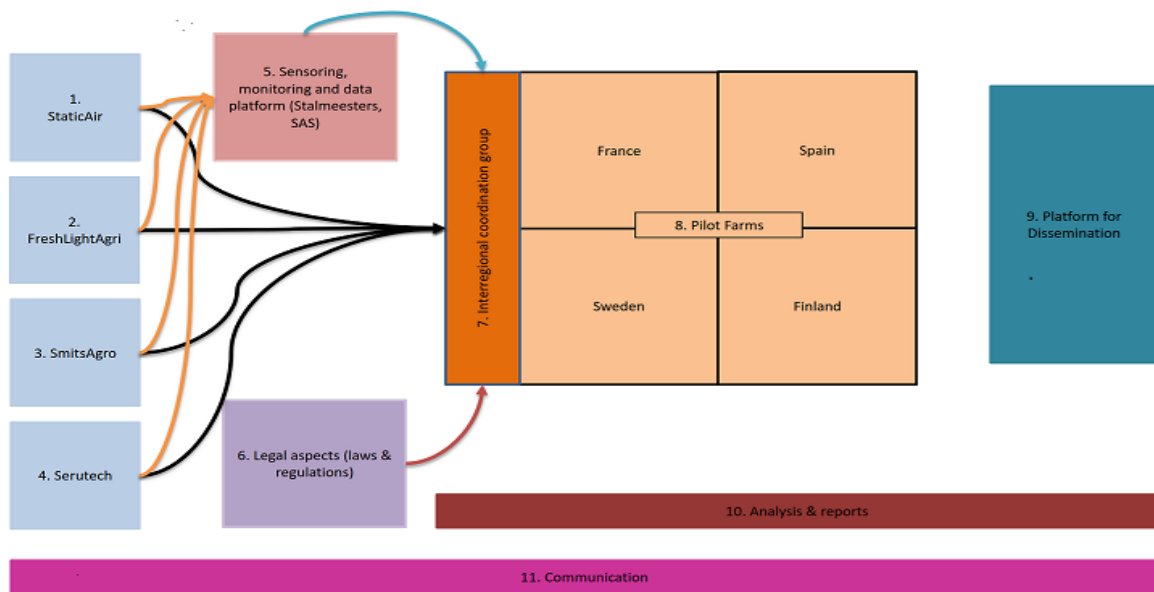
The annexed technologies provided are promising and will be tested. The technologies selected can mutually benefit each other and be developed further. In addition to this, there are opportunities for broadening the interregional dimension of the Podur business case.

The dust reduction system have been tested in demo and private farms in Dutch circumstances with different monitoring systems and validation by Wageningen University. The results of these tests will be combined and used to validate the innovative sensor monitoring that is used in de the international tests.

Some of the partners have agreed to further advance with the development of new technologies and solutions with a strong connection with this business case.

As an example Foodbvalley is offering its Poultry Innovation Lab (test and demo farm) to further test and develop the solutions (eg. PEV can test and improve monitoring technology in specific housing systems for layers and broilers).

## 2 / Steps foreseen for the Podur Pilot



### 2.1. Next steps

The remaining steps to be carried out for this case are outlined in specific actions including:

- ▶ Organization of visit of test locations (Between May and October 2019)
- ▶ Definitive pilot plans for each location (Between June and November 2019)
- ▶ Agreement on contracts and finance (Between September and December 2019)
- ▶ Further refinement of the business plan
- ▶ Start executing pilots (Between November 2019 and February 2020)
- ▶ Monitoring and reporting data (Between November and July 2020)
- ▶ Uploading data in regional digital platform (September 2020)

