

Table S1. Level of engagement / activity within each of the 19 networks as perceived by the network's facilitator during the final workshop (May 2017).

	Not completed	Low	Moderate	High
General indicators relevant to the function of each network				
0.1 Level of participant enthusiasm and energy of the network	0	1	4	14
0.2 Level of participant trust and knowledge sharing within the network	0	1	4	14
0.3 Level of facilitators intervention (rate of intervention facilitator)	0	7	8	4
0.4 Level or frequency of interaction with support actors (engagement of the relevant actor at the right time)	0	5	6	8
<i>Overall general engagement</i>	0 (0%)	14 (18%)	22 (29%)	40 (53%)
Step 1 Problem identification				
1.1 Level of clarity of purpose and shared objective as a network	0	0	4	15
1.2 Level of agreement on network function (e.g. decision making, common rules, reaching consensus etc.)	0	2	4	13
1.2 Degree to which the problem identified was based on shared need (common problem)	0	1	5	13
1.3 Market or other actors value the problem (relevance)	0	0	3	16
1.4 Capacity of network to find practical solutions to the problem identified (perceived capacity of the network by the facilitator)	0	1	6	12
<i>Overall engagement in step 1</i>	0 (0%)	4 (4%)	22 (23%)	69 (73%)
Step 2 Generation of ideas				
2.1 Level of which the idea/solution is shared by the network	0	1	3	15
2.2 Feasibility of the idea (includes financially viable, based on ADAS tool)	10	0	4	5
2.3 Level of diversity of knowledge (resources) used: science, advisor's input, practical experience etc.	0	2	3	14
2.4 Capacity of network to trial the practical solutions selected (perceived capacity of the network by the facilitator)	0	1	4	14
<i>Overall engagement in step 2</i>	10 (13%)	4 (5%)	14 (18%)	48 (63%)
Step 3 Action planning & resource mobilization				
3.1 Robustness of innovation action planning including time-frame and task division (everyone knows what is happening, when and by whom)	2	4	4	9
3.2 Level of clarity on anticipated result (research question) and system or criteria in place for to measure and monitor the results (e.g. viability)	1	1	9	8
3.3 Level of resources the members within the network commit towards trialling.	1	4	7	7
3.4 Level of external support (whether scientific, from industry or technical)	1	4	5	9
<i>Overall engagement in step 3</i>	5 (7%)	13 (17%)	25 (33%)	33 (43%)
Step 4 Practical trialing and development				
4.1 Level and rate of innovation - action plan leads to action.	5	1	4	9

4.2	Willingness to discuss and share within the network successes and failures (to learn from failures)	4	2	3	10
<i>Overall engagement in step 4</i>		9 (24%)	3 (8%)	7 (18%)	19 (50%)
Step 5 Implementation and up-scaling					
5.1	Level of satisfaction of members with regard to relevance and affordability of solutions developed.	9	0	1	9
5.2	Number of network members applying the innovation as common practice across their farm.	14	0	2	3
5.3	Network members' pride of what they achieved (wanting to share and scale -up the innovative idea).	9	1	0	9
<i>Overall engagement in step 5</i>		32 (56%)	1 (2%)	3 (5%)	21 (37%)
Step 6 Dissemination					
6.1	Network has actively sought to disseminate innovation beyond network members	12	2	1	4
6.2	Innovation has been subsequently adopted by other actors and bodies	19	0	0	0
<i>Overall engagement in step 6</i>		31 (82%)	2 (5%)	1 (3%)	4 (11%)