



French WP6 issues: Document related to WP6-data and database, accompanying farmers' individual notices and complementing WP6 P1 DR1 report on technical organisation of the follow-up

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French WP6 issues:

Document related to WP6-data and database,
accompanying farmers' individual notices and
complementing WP6 P1 DR1 report on technical
organisation of the follow-up

- Yann Desjeux -
August 06

1- Reminders

The follow-up has been conducted in France from March 2005 to February 2006.

It was initiated with 30 farmers, implementing AESs, and 5 of them gave up during the exercise.

Four types of measures have been chosen and studied (some of them being broken-down into sub-options). Two measures to be applied on grasslands; one measure on arable land and one related to hedges:

- 0301A: Winter covering of arable land (intercropping);
- 0602A: Maintenance of hedges
- 1601: Late mowing.
- 2001: Extensive management of grasslands through cutting (or grazing)

In addition, those 30 farmers were followed by 3 different groups of ITAES staff¹. Therefore a lack of cohesion in the data collected might sometimes be noticed with regard to their precision.

2- Clarifications regarding AESs and farmers entered into the DB

- In spite of the fact that the follow-up was initiated with 30 farmers, 2005-data from only 20 of them² was reliable enough to be entered into the DB.
- In addition, in order to make the task easier for the farmers (and to be sure to collect reliable data), it has been sometimes necessary to ask some of them not to follow such or such AES.
- In the DB itself, data related to AES FR05 (0602A03-High hedgerows management (2 sides)) were entered as FR04 (0602A02-High hedgerows management (1 side)) given that these 2 AESs are the same in terms of prescriptions. Hence, 1 metre of FR05 (paid 0,42€/m) has been entered as 2 metres of FR04 (paid 0,21€/m).

Given the three points mentioned above, collected and entered data for 2005 can be summarised, at the AESs and farmers level, as follows:

AES_ID	AES_description	farmer_ID	Area (ha or m)
FR01	0301A01 Winter covering on arable land	FR-F28	3,5
		FR-F29	19
FR02	0301A02 Winter covering on arable land	FR-F02	7,5
		FR-F05	18,84
		FR-F08	21
		FR-F09	26
		FR-F10	12,5
		FR-F12	25
		FR-F13	15
		FR-F14	8
		FR-F15	11,74
		FR-F16	13
		FR-F17	10
		FR-F20	10
		FR-F22	9

¹ Group1 from farmer FR-F01 to FR-F10, Group2 from FR-F11 to FR-F20 and Group3 from FR-F21 to Fr-F30.

² Those are: FR-F02, FR-F05, FR-F08, FR-F09, FR-F10, FR-F12, FR-F13, FR-F14, FR-F15, FR-F16, FR-F17, FR-F20, FR-F21, FR-F22, FR-F23, FR-F25, FR-F26, FR-F28, FR-F29, FR-F30.

		FR-F25	15
		FR-F26	18
		FR-F30	12
FR03	0602A01 Low hedgerows management	FR-F02	7570
		FR-F05	188
		FR-F08	62
		FR-F12	700
		FR-F13	550
		FR-F14	1600
		FR-F15	1150
		FR-F16	855
		FR-F17	2696
		FR-F20	1900
		FR-F23	1330
		FR-F25	2200
		FR-F28	1140
		FR-F30	4235
FR04	0602A02 High hedgerows management (1 side)	FR-F02	3484
		FR-F05	8968
		FR-F08	1751
		FR-F09	3770
		FR-F10	190
		FR-F13	14932
		FR-F14	660
		FR-F16	2400
		FR-F21	700
		FR-F23	8000
		FR-F26	2250
		FR-F30	8525
FR06	1601A02 Late mowing	FR-F12	33,23
		FR-F17	31,62
		FR-F20	9,54
		FR-F26	20
FR08	2001B01 Extensive grassland management: 0 organic fertilisation	FR-F08	29,66
		FR-F12	14,68
		FR-F20	22,96
		FR-F21	55,67
		FR-F26	4,76
		FR-F28	11,4
		FR-F30	18,16
FR10	2001C02 Extensive grassland management: 0 fertilisation	FR-F02	21,44
		FR-F10	11,32
		FR-F13	18,06
		FR-F14	4
		FR-F16	5,9
		FR-F17	0,93
		FR-F23	9,62
		FR-F25	23,14
		FR-F29	3,18

Important remark: While analysing the data, AESs FR01 and FR02 can be considered jointly (and not as two distinct AESs) as their prescription are the same, only their related payment differs.

3- The Database

Although the follow-up exercise was meant to be done on a weekly basis, the farmers preferred to provide the requested information on a monthly basis.

Hence, in the DB, the choice was made to enter the data in the first week of each month. All farmers started recording their AES-related activities in March 2005.

Unless stated otherwise, monthly data were entered for Week 10 – 14 – 18 – 22 – 27 – 31 – 36 – 40 – 44 – 49 – 53 – 58 and 62.

AES payments (related to the studied AES) were allotted to the concerned AES at the week corresponding to the month of anniversary of the AES contract. (e.g. Signature of the contract = November 2002 => AES payment reported under week 49).

CAP payments were allotted to Week 49 (choice).

For livestock CAP premiums, although they are per animal, were reported per hectare of grassland. The amount corresponding to the concerned AES-covered plot was then allotted to Week 49.

Whenever it was feasible, the field production, although not sold, was converted into monetary value from cost standards (hay, straw, etc...).

Unless stated otherwise, the main crop related to 0301A fields has been considered. In main cases maize crop (for silage production) is considered. This was not planned at the beginning of the follow-up and standard data was applied. These were reported under Week 14 – 18 – 22 and 40.

Data related to reference area were quite difficult to estimate by the farmers. Therefore we crossed collected data during the follow-up and data collected during individual interviews on a scenario. Are understood by "scenario" activities the farmer would do in case he has no AES, or activities the farmer used to do before contracting AES.

Due to the complexity of the French AES situation, we tried as much as possibility not to add so many additional Tasks, Costs, and Yields/Revenues types in order to enable potential cross-country comparisons. The many negative point of this approach may be the fact that some AES specific data were entered under the heading "non specific AES task/costs/revenues". But as far as the concerned task/cost/revenue is not mentioned in the reference area (for the concerned week or another week) it can be considered as specific to the AES.

Are listed hereafter the tasks / costs / revenues types added for the French case:

ID	task_ID	admin_op.description
39	FR-T04 Admin to solve AES problems	Administrative
85	FR-T08 AES training	Administrative
86	FR-T09 control	Administrative
87	FR-T10 Winter cover crushing	Operational
90	FR-T13: Enclosing plots for pasture	Operational

116	Additional cultivation	Operational
36	FR-T01CAP statement	Administrative
89	FR-T12: collecting/ recording information	Administrative
91	FR-T14: Technical training	Administrative
37	FR-T02 High hedgerows-Pruning	Operational
38	FR-T03 High hedgerows-chainsaw+wood collection	Operational
46	FR-T05- Low hedgerows management	Operational
83	FR-T06 Winter cover destruction	Operational
88	FR-T11: Crushing rejected grass on marshland	Operational
102	FR-T15: Other operational tasks	Operational
84	FR-T07 Stubble destruction	Operational
115	Fertilisers application	Operational
117	Soil work	Operational
118	Hayprocess (mowing -> pressing)	Operational
119	Hay collection & transport	Operational

id	cost_ID
16	FR-C01 High hedgerows-contract work for pruning
18	FR-C02 Hayprocess (mowing to pressing)
27	FR-C03: Use of fertilizing equipment
49	FR-C04 Winter cover sowing costs
50	FR-C05 winter cover destruction costs
51	FR-C06 stubble destruction costs
52	FR-C07 Use of chainsaw
53	FR-C08 Low hedgerows management
54	FR-C09 Costs related to the winter cover crushing
55	FR-C10 Costs related to mowing
56	FR-C11: costs related to tillage
63	FR-C12 Costs of crushing on marslands
64	FR-C13: Renting lands
65	FR-C14 Buying concentrates
66	FR-C15 High hedgerows management
67	FR-C16: Costs related to the AES training

id	cost_ID
68	FR-C17: Transportation costs
69	FR-C18: Buying wire for fence
70	FR-C19: Costs for soil analysis
75	FR-C20: buying forage
76	FR-C21: costs for applying and working in manure
83	FR-C22 costs for silage
84	FR- C23 costs for scrub clearing
99	FR-C24 Cost for other operational task(s)
100	Fertilising costs (fertilisers + machineries)
101	Additional cultivation costs
102	Cost for soil work
104	Costs for hay process (mowing -> pressing)
105	Costs for hay collection & transport
106	Straw purchase

id	revenue_ID
6	Premium for suckler cows
7	Slaughter premium
8	Premium for goats and sheeps
9	FR-R01: Premium for extensification

10	FR-R02: Wood collection
11	FR-R03 Milk premium
25	Fodder output
26	Premium for beef cattle
27	Sale or exchange of manure
31	Sale of standing grass
32	Straw

4- Farmers' data

Specific and individual notices were done of each entered farmer in 2005-database. Those are enclosed to the present paper.

Nonetheless, given the complex French AES situation some clarifications have to be done here in addition to those already mentioned in the previous parts.

As presented in the table below, only few measures of each farmer's AES contract were studied.

Farmers	Number of AESs in the contract	Number of studied AESs
FR-F02	5	4
FR-F05	5	3
FR-F08	11	4
FR-F09	2	2
FR-F10	4	3
FR-F12	10	4
FR-F13	9	4
FR-F14	15	4
FR-F15	9	2
FR-F16	13	4
FR-F17	10	4
FR-F20	10	4
FR-F21	2	2
FR-F22	4	1
FR-F23	8	3
FR-F25	6	3
FR-F26	8	4
FR-F28	9	3
FR-F29	8	2
FR-F30	7	4
TOTAL:	155	64

In such case, it is easily understandable that some tasks (especially administrative ones) can hardly be associated to single measure but are common to different ones or to the contract in its whole.

In those cases, we made up our mind to allot the concerned tasks to the studied AES that brings the higher amount of AES subsidies to the farmer. For each farmer, the identified AES is marked by an asterisk in the following information (briefly presenting the data, or the lack of data).

Remark: Data were entered in the DB by two different persons³. Although we tried as much as possible to avoid discrepancies it may happen a lack of cohesion in the way data were entered for the farmers of these two "groups".

1.) FR-F02, Philippe Lacolley

- FR-F02-A; 0301A02.
For 2005, the reference situation is "no winter-cover", but a ploughing operation after maize harvest.
- FR-F02-B; 0602A01.
With the AES, hedgerows are maintained each year (33 hours). Without AES (= Reference situation), 30 hours would be spent each 2 years => Reference situation = 15h (ie 30/2)
- FR-F02-C; 0602A02
With AES: maintenance twice : 5 years. REF: once / 5 years. So REF data = 1/2 AES data.
Missing data about wood harvested.
- * FR-F02-D; 2001C02
Missing livestock CAP premiums (+ extensification premium)
2 runs of organic fertilisation + 2 runs of mineral fertilisation were considered in the reference.
This AES implies the cultivation of 2 additional hectares of maize (silage). These tasks/costs/revenues have then be mentioned in AES/week 40.

2.) FR-F05, Joël Margueritte

- * FR-F05-A ; 0301A02.
REF = no cover, but a decompacting would be done each 3 years => REF = 1/3 of decompacting tasks/costs (in week 40 after the maize harvest).
- FR-F05-B; 0602A01
Low hedgerows: 564m maintained (188m*3 given that both sides as well as the top of the hedgerow must be maintained)
- FR-F05-C; 0602A02
Missing data related to the quantity of wood collected.
High hedgerows: 8968m maintained
- FR-F05-D ; 0602A03
Considered as 0602A02 => FR F05C = 8968m

3.) FR-F08, GAEC La Barillère (Couetil)

- FR-F08-A ; 301A02
Overlap of AESs 0301 + 0901 + 0903. => premium=262,20€/ha
Main crop = maize (silage).
- FR-F08-B; 602A01
- FR-F08-C; 602A02
Missing data of the quantity of wood collected (week 44)
- FR-F08-D ; 602A03
Considered as 602A02 => FR F08C = 1751m
- * FR-F08-E: 2001B01
Missing livestock CAP premium.

³ Staff 1: FR-F21, FR-F22, FR-F23, FR-F25, FR-F28, FR-F29 and FR-F30.

Staff 2: FR-F02, FR-F05, FR-F08, FR-F09, FR-F10, FR-F12, FR-F13, FR-F14, FR-F15, FR-F16, FR-F17, FR-F20 and FR-F26.

Overlap: 29.66ha of 2001B01 (180.65€ha) + 29.66ha of 0903A01 (11.13€ha) = 191.78€ha.

This measure implies to crop 2 additional hectare of maize (silage). Hence, the related costs were allotted to REF/week40.

4.) FR-F09, GAEC de la Petite Bretonnière (Lecoustey)

- * FR-F09-A ; 301A0
REF = No cover
Main crop = maize (silage)
- FR-F09-B; 602A02
Missing data about the quantity of wood collected.

5.) FR-F10, EARL de Lair

- FR-F10-A ; 301A02
REF = no cover
- FR-F10-B; 602A03 converted into 0602A02
Missing data about the quantity of wood collected.
- * FR-F10-C: 2001C02
Missing data about livestock CAP premium

6.) FR-F12, GAEC de la Rabatterie

- FR-F12-A ; 301A02
REF = No cover
Main crop = Maize for 10ha et wheat for 15ha.
Wheat (15ha): PPP (week10); harvest + straw (week31).
REF = idem + one run of disk harrow after harvest (week31)
Maïs (10ha): tillage (week 14); sowing (week18); PPP + fertilisation (week22); silage (week40).
REF = idem + disk harrow week14 and ploughing after harvest (week 44)
- FR-F12-B;602A01
- * FR-F12-C; 1601A02
- FR-F12-D; 2001B01
AES = 100% grazing; REF = grazing + mowing over 5ha

7.) FR-F13, GAEC de Long Aulnay

AES 2001B01 have not been followed to the benefit of AES 2001C02

- FR-F13-A ; 301A02
REF = No cover, but ploughing after harvest (silage) + tillage before maize sowing operation
Main crop = maize
- FR-F13-B;602A01
- FR-F13-C; 602A02
Missing data on quantity of wood collected
- * FR-F13-D; 2001C02; Tab. 2004 rempli (11/01/06).
REF = (mowing + grazing) over 10ha and only grazing over the rest.

8.) FR-F14, EARL Allix

AES 2001B01 have not been followed to the benefit of AES 2001C02

- * FR-F14-A ; 301A02
- FR-F14-B ; 602A01
REF = maintenance of 1/3 (~1400m) each 2 years. => REF for 2005 ~ 700m

- FR-F14-C ; 602A02
Missing data on quantity of wood collected
REF = maintenance of 1/3 (~580m) each 2 years. => REF for 2005 ~ 290m
- FR-F14-D ; 602A03 considered as 0602A02
- FR-F14-E ; 2001C02
Missing data about livestock CAP premiums

9.) FR-F15, EARL de La Nicolerie

- * FR-F15-A ; 301A02
REF = No cover, but ploughing after harvest (silage) + tillage before maize sowing operation
Main crop = maize
- FR-F15-B ; 602A01
REF: 300m / 3years => REF = 100m for 2005.
- FR-F15-C; 2001C02
No data on this AES was provided by the farmer. So we had to gave it up.

10.) FR-F16, Jean Chardin

- * FR-F16-A ; 301A02
Main crop: maize
REF = no cover but ploughing + tillage before sowing (stubbles are kept in place during winter)
- FR-F16-B ; 602A01
- FR-F16-C ; 602A02
REF = 1/3 of 2005 time and costs.
Missing data on wood collected
- FR-F16-D ; 602A03, considered as 602A02
- FR-F16-E ; 2001C02
Missing data on livestock CAP premiums

11.) FR-F17, Christophe Lalande

AES 2001B01 have not been followed, to the benefit of AES 2001C02

- FR-F17-A ; 301A02
REF = No cover (stubbles are kept in place during winter)
- FR-F17-B ; 602A01
REF = 1/2 of 2005 time and costs.
- * FR-F17-C ; 1601A02
Missing data on livestock CAP premiums
- FR-F17-D ; 2001C02
Missing data on livestock CAP premiums

12.) FR-F20, GAEC du Jonquet

- FR-F20-A: 0301A02
- FR-F20-B: 0602A01.
- FR-F20-C: 1601A02
Overlap: 1601A02, 2001A01 et 1603A01.
The overtime spent (between AES and REF) on this plot is not due to AES 1601A02 but to the overlapped measure 1603A01
Fertilisation in the reference = 200kg / ha (N/P/K 20/5/10)
- * FR-F20-D: 2001B01.
- FR-F20-E: 2001C02. AES not followed as no data were provided for 2005 activities.

- 13.) FR-F21, Yannick Lavenu
- FR-F21-A; 602A02:
REF = 1/6 of AES times and costs
 - * FR-F21-B; 2001B01:
- 14.) FR-F22, Frédéric Lecarpentier
- Data related to AES 2001C01 have not been considered and entered as they were not precise and relevant.
- * FR-F22-A; 301A02.
Main crop: Maize (5ha) and wheat (4.7ha)
 - FR-F22-B; 602A02 ; No data for 2005
- 15.) FR-F23, GAEC des Tourelles
- AES 2001B01 have not been followed, to the benefit of AES 2001C02
- FR-F23-A; 602A01;
REF = 1/2 of AES times and costs
 - FR-F23-B; 602A02;
Difficulties to estimate the REF situation as this would be done more or less each 10 to 15 years.
No maintenance done in 2005
 - * FR-F23-C; 2001C02
- 16.) FR-F25, GAEC de la Grande Croix
- AES 2001B01 have not been followed, to the benefit of AES 2001C02
- FR-F25-A; 301A02
 - FR-F25-B; 602A01
REF = 1/2 of AES times and costs
 - FR-F25-C; 602A02; AES not followed as no data were provided for 2005 activities
 - * FR-F25-D ; 2001C02;
Loss of hay estimated as 1t/ha (week 31)
- 17.) FR-F26, EARL de l'Orimier
- FR-F26-A ; 301A02
Main crop = Maize (silage)
 - FR-F26-B; 602A02
 - * FR-F26-C; 1601A02
Without the AES, those plots won't be rented (1500€, week 27) but this has not been considered, in order to be able to estimate times/costs/revenues implied by AES application.
The overtime spent for mowing (1hour) is not related to the concerned AES but to an overlapped one (1603A01).
 - FR-F26-D ; 2001B01
- 18.) FR-F28, EARL de l'Isle
- FR-F28-A: 301A01
 - FR-F28-B: 602A01
 - * FR-F28-C: 2001B01
Week 18: Missing revenues linked to grass silage and hay-silage

19.) FR-F29, GAEC du Bigard

AES 2001B01 have not been followed to the benefit of AES 2001C02

- *FR-F29-A : 301A01
Week 18 : Missing revenues linked to grass silage.
- FR-F29-B: 602A02, Cancelled and not studied as nothing has been done in 2004 and 2005.
- FR-F29-C: 2001C02

20.) FR-F30, GAEC de Gruchy

- FR-F30-A : 301A02
REF: the farmer says that the cover would be maintained even without AES.
Nevertheless, no cover was applied before the contract. => REF = no cover
- FR-F30-B : 602A01
- FR-F30-C : 602A02
- * FR-F30-D : 2001B01
REF: Additional production of 18tons (loss estimated by the farmer due to the AES). No costs allotted given that it is grazed.