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Project on ISPM-15: costs and benefits analysis of standard implementation

The case of the WPM treating facilities

Introduction: We are part of a research team working on behalf of the Standard and Trade Development Facility Organization (Geneva, Switzerland) and the Institute of Social Studies (The Hague, Netherlands). We are carrying out a study whose aim is to estimate the costs and benefits associated with the implementation of the ISPM-15 standard. Your participation is completely voluntary. **If possible, we would like to ask the questions to the person who is most directly involved to the management of the wood treatment facility.** This will take about 30 minutes in total. **All your information will be treated confidentially.**

Please note that we are interested in total treatment of wood pallets material carried out in both the premises of this facility as well as sub-contracted for other companies.

If you indicate your voluntary consent by participating in this interview, may we begin?

COVER SHEET

Name of Facility:

District:

City:

Questionnaire ID (USE INITIALS OF INTERVIEWER 1 AND CONSECUTIVE NUMBERS, E.G. EP46):

Name of Respondent:

Telephone number of the facility:

E-mail address of the person:

Interviewer 1:

Interviewer 2:

Date of the interview:

Time interview commenced:

Time interview ended:

Remarks/ comments for the interviewer to be filled

**Picture of the ISPM-15 stamp of that specific facility
(only for heat treatment facility)**

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Part 1: QUESTIONS REGARDING THE WOOD TREATMENT FACILITY

1. What is your relationship to the company?
..... (please write the respondent current position in the facility)

2. When did you start working in this wood treatment facility?
..... (please express the year)

3. When did this wood treatment facility start to operate as a facility treating wood in compliance to ISPM-15?
..... (please express the year)

4. Was it required for this wood treatment facility to get a license (from the NPPO/ the Ministry of Agriculture/another Government Agency)?
 Yes
 No

5. If the answer was 'YES', which institution/institutions gave you the license? (from the / the /another Government Agency)?
 NPPO
 Ministry of Agriculture
 another Government Agency (..... please specify)
 (please specify)

6. What were the main documents/requirements needed in order to get the license to be recognized as an official wood treatment facility?
..... (requirement 1)
..... (requirement 2)
..... (requirement 3)
..... (requirement 4)

7. How many people currently work in this wood treatment facility?
..... (please express the total number of people working in the facility)

8. Has there been an increase in the number of people working in this wood treatment facility after Cameroon has implemented the ISPM-15 standard?

- Yes
- No (please go to question 11)

9. If the answer to the previous question has been 'YES', could you quantify this increase (in number of people working here)?
..... (please express the number)

10. If there has been an increase in the number of employees, do you think this increase has been due to the implementation of ISPM-15?

- Yes
- No

11. How many of the employees are directly involved in the procedures related to the wood treatment?

..... (please express the total number of people working in the facility)

Comments to this section (for the enumerators to be filled in):

Part 2: WOOD TREATMENT FACILITY: GENERAL INFORMATION

12. Do you manufacture the wood pallets materials that you will later treat?

- Yes (please go to question 14)
- No

13. If the answer was 'NO', where do you buy the untreated wood pallet material? (multiple answers possible)

- Wood processing facility inside the country
- Wood processing facility outside the country (Please specify which country/countries)

14. Do you repair untreated wood pallets?

- Yes
- No

15. Do you repair treated wood pallets?

- Yes
- No

16. What are the wood pallets –both repaired and completely manufactured- treated in this facility manufactured of? (multiple answers possible)

- Only wood
- Wood and wood based composites
- Wood and plastic
- Wood and paper
- Other (..... please specify)

17. How many new wood pallets do you treat per month?

..... (please express the number per month)

18. What is the life span of the new wooden pallet treated in this facility?

..... (please express the number of years)

19. How many repaired wooden pallets do you treat per month?
..... (please express the number per month)

20. What is the life span of the repaired wood pallet treated in this facility?
..... (please express the number per years)

21. Do reusable pallets need to be re-treated after a certain number of uses?
 Yes
 No (please go to question 23)

22. If the answer was 'YES', after how many uses?
..... (please express the number of uses)

23. Who purchases the treated wooden pallets from you? Please indicate the share (the sum of the shares should sum up to 100) (multiple answers possible)
 Companies inside the country (..... share)
 Companies outside the countries (..... please specify the foreign country) (..... share)
 Other (..... please specify) (..... share)

24. Do you know the main use of the wood pallets after the treatment?
 For transporting goods inside the country
 For exporting goods outside the country
 For both internal and external use

25. Do you know what types of goods are transported with the use of treated wooden pallets? (multiple answers possible)

- Agricultural goods
- Wood
- Manufactured products
- Other (..... please specify)
- Information not available

Comments to this section (for the enumerators to be filled in):

Part 3: WOOD TREATMENT INFORMATION

26. Which treatment do you use? (multiple answers possible)

A. For new wood pallet

- Heat treatment
- PH3
- MB
- Other (..... please specify)

B. For repaired wood pallet (multiple answers possible)

- Heat treatment
- PH3
- MB
- Other (..... please specify)

27. Do you use other wood treatments which are not in compliance to the ISPM-15? (multiple answers possible)

A. For new wood pallet

- Yes
- No (please skip question 28A.)

B. For repaired wood pallet

- Yes
- No (please skip question 28B.)

28. If the answer was 'YES', which wood treatment do you use? (multiple answers possible)

A. For new wood pallet

(..... please specify)

B. For repaired wood pallet

- Other (..... please specify)

29. What is the reason for choosing that specific treatment? (multiple answers possible)

A. For new wood pallet

- Less expensive
- Easier to implement
- More effective
- Other (..... please specify)

B. For repaired wood pallet (multiple answers possible)

- Less expensive
- Easier to implement
- More effective
- Other (..... please specify)

30. Is it planned that your company will soon start to use another treatment?

- Yes
- No (please go to question 33)

31. If your answer was 'YES', could you please let us know the reason why you want to change the treatment? (multiple answers possible)

- The new treatment will be less expensive
- The new treatment will be easier to be implemented
- The new treatment will be less harmful for the environment
- Other (..... please specify)

32. Which treatment is this wood treatment facility planning to use?

- please specify

33. Have you ever experienced cases of fraud?

- Yes
- No (please go to question 37)

34. If the answer was 'YES', what was the type of fraud?

(..... please specify)

35. How often did the cases of fraud occur?

- Once a year
- Between 2 and 10 cases a year
- More than 10 cases a year

36. What action did you take to communicate the fraud? (multiple answers possible)

- I informed the NPPO
- I informed the Ministry of Agriculture
- I informed the IPPC/FAO
- Other (..... please specify)

37. Has it ever occurred that a wood pallet treated by this facility had been rejected by a foreign country for reason related to non-compliance?

- Yes
- No (please go to question 39)

38. If the answer was 'YES', what percentage of the wooden pallets treated by your facility have been rejected in past 12 months?

- For 1% of the wood pallets here treated or less
- For between 2 and 10% of the wood pallets here treated
- For more than 10% of the wood pallets here treated

Comments to this section (for the enumerators to be filled in):

Part 4: WOOD TREATMENT TRAINING

39. Have you received proper guidelines by a third party in terms on how to properly treat the wood pallet material?

- Yes
- No (please go to question 42)

40. If the answer was 'YES, who has trained you and other people in this firm on how to treat the wood pallet material? (multiple answers possible)

- NPPO representative
- Ministry of Agriculture representative
- FAO representative
- Other (..... please specify)
- No training (skip next question)

41. What did the training consist of? (multiple answers possible)

- Training prepared in this facility by external experts
- Brochure prepared by external staff
- Brochure prepared by internal staff
- On-line course
- Other (..... please specify)

42. Do you receive updates regarding new ways/treatment ISPM-15 can be implemented?

- Yes
- No (please go to question 44)

43. If the answer was 'YES', where does the updates come from? (multiple answers possible)

- NPPO representative
- Ministry of Agriculture representative
- FAO representative
- Other (..... please specify)

44. How long did it take for this wood treatment facility to purchase and update machineries in order to be able to treat wood in compliance to the ISPM-15?

A. For purchasing machineries

..... (the number of months to purchase)

B. For updating machineries

..... (the number of months to update)

45. How long did it take for your wood treatment facility to become completely operational and be recognized to be able to treat the wood pallets in accordance to the ISPM-15 standard?

(..... please express the number of months)

46. In order to be recognized as an official wood treatment facility, did this facility have to pass through any verification process?

Yes

No (please go to question 48)

47. What did the verification process consist of? (multiple answers possible)

..... please specific 1st requirement

..... please specific 2nd requirement

..... please specific 3rd requirement

..... please specific 4th requirement

48. Does any representative of the NPPO/Ministry of Agriculture/Other Agency carry out random checks on the treated wood pallets of your facility?

Yes

No (please go to question 51)

49. Which organization does the random checks? (multiple answers possible)

NPPO

Ministry of Agriculture

Other Agency (..... please specify)

50. If the answer has been 'YES', how often does this check occur on average?

- Once a month
- Once every six month
- Once a year
- Other (..... please specify)

51. Does this facility run random checks to see whether the wood pallets here treated are free of pests?

- Yes
- No (please go to question 54)

52. If the answer was 'YES', what share of the treated wood pallet are tested?

- Less than 10%
- Between 11 and 20%
- Between 21 and 50%
- More than 51%

53. Among those treated wood pallets which are tested, which share of the treated wood pallets results to be contaminated with pests?

- Less than 1%
- Between 2 and 10%
- Between 11 and 30%
- More than 30%

54. Has this wood treatment facility registered the mark used for treated wood pallets?

- Yes
- No (please go to question 56)

55. If the answer was 'YES', where did this wood treatment facility register the mark?

- NPPO
- Ministry of Agriculture
- Phytosanitary service
- Other (..... please specify)

Comments to this section (for the enumerators to be filled in):

Part 5: COSTS RELATED TO THE WOOD TREATMENT

56. What was the set-up investment costs for the facility (e.g. equipment, infrastructure, buildings, laboratory)?
..... (in CFA)

57. When did you have to pay for this costs? If costs spread over time, please provide amount per year.
..... (please specify the year 1)
..... (please specify the amount 1)
..... (please specify the year 2)
..... (please specify the amount 2)
..... (please specify the year 3)
..... (please specify the amount 3)
..... (please specify additional year)
..... (please specify additional amount)

58. Did your company receive any subsidy from the Government for purchasing/installing/update equipment/infrastructure/buildings in order to comply with the standard implementation?
 Yes
 No (please go to question 60)

59. How much was the subsidy received?
..... (in CFA)

60. What is the expected lifetime of the existing equipment from the time of purchase (in years)?
..... (please specify the number of years)

61. After this amount of time has passed, do you have to buy new equipment?
 Yes, we will buy new equipment
 No, we will buy second hand equipment
 Free equipment from other countries
 Other, please specify _____

62. Were there any costs involved in getting the license for the treating woods (e.g. government fees, legal costs etc)?

- Yes
- No (please go to question 64)

63. If the answer was 'YES', what was the amount to be paid and when did you have to pay this amount?

..... (in CFA)
..... (please specify the year of the payment)

64. Does the license need to be renewed?

- Yes
- No (please go to question 67)

65. If the answer was 'YES', what is the amount to be paid for renewal?

..... (in CFA)

66. If the answer was 'YES', how often do you have to renew the license for treating woods?

..... (please specify the number of years)

67. What have been your annual administration costs for 2014 (excluding salaries of employees and energy): e.g. purchase of paper, water use, telephone bills, internet etc.

..... (in CFA)

68. What have been your annual administration costs for years prior to 2014 (excluding salaries of employees and energy): e.g. purchase of paper, water use, telephone bills, internet etc.

..... (costs for 2013 in CFA)

..... (costs for 2012 in CFA)

69. What has been the annual internal labour cost for 2014 (e.g. for the salaries of all the employees)?

..... (in CFA)

70. What has been the annual internal labour cost for the previous years (for the salaries of all employees)?

..... (costs for 2013 in CFA)

..... (costs for 2012 in CFA)

71. What has been the annual cost for external labour for 2014 (e.g. for monitoring/inspection/certification/training costs etc)?
..... (in CFA)

72. What has been the annual cost for external labour for the previous years?
..... (costs for 2013 in CFA)
..... (costs for 2012 in CFA)

73. What has been the annual energy costs for 2014 (e.g. gas and electricity)?
..... (in CFA)

74. What has been the annual energy costs for the previous years (e.g. gas and electricity)?
..... (costs for 2013 in CFA)
..... (costs for 2012 in CFA)

75. What have been your annual maintenance costs for 2014(e.g. repairs)?
..... (in CFA)

76. What have been your annual maintenance costs for the previous years (e.g. repairs)?
..... (costs for 2013 in CFA)
..... (costs for 2012 in CFA)

77. What have been your other material costs for 2014 (e.g. nails, packaging material)?
..... (in CFA)

78. What have been your other material costs for the previous years (e.g nails, packaging material)?
..... (costs for 2013 in CFA)
..... (costs for 2012 in CFA)

79. What other costs did you have to face in 2014?

- (in CFA)
- (Please specify what cost/costs)
- (in CFA)
- (Please specify what cost/costs)
- (in CFA)
- (Please specify what cost/costs)

80. What other costs did you have to face in 2013?

- (in CFA)
- (Please specify what cost/costs for 2013)
- (in CFA)
- (Please specify what cost/costs for 2013)
- (in CFA)
- (Please specify what cost/costs for 2013)

81. What other costs did you have to face in 2012?

- (in CFA)
- (Please specify what cost/costs for 2012)
- (in CFA)
- (Please specify what cost/costs for 2012)
- (in CFA)
- (Please specify what cost/costs for 2012)

82. What have been the total costs for the year 2014 (summing the administration, the internal, the external, the energy, the maintenance, the material costs and other costs)?

- (in CFA)

83. What have been the total costs for the previous years (summing the administration, the internal, the external, the energy, the maintenance, the material costs and other costs)?

- (costs for 2013 in CFA)
- (costs for 2012 in CFA)

84. What has been the average cost of treatment:

A. per each treated wood pallet in 2014?

..... (in CFA)

B. per cubic meter of treated wood pallet in 2014?

..... (in CFA)

85. What is the average cost per treated wood pallet for the previous years?

A. per each treated wood pallet in 2013?

..... (in CFA)

B. per cubic meter of treated wood pallet in 2013?

..... (in CFA)

C. per each treated wood pallet in 2012?

..... (in CFA)

D. per cubic meter of treated wood pallet in 2012?

..... (in CFA)

86. What has been the annual CO2 emissions of the plant in 2014?

..... (in tons)

87. What are the annual CO2 emissions of the plant for the previous years?

..... (tons in 2013)

..... (tons in 2012)

88. What is the average cost of non-treated wood pallet the years before the ISPM-15 implementation (in local currency)?

..... (year)

..... (in CFA)

..... (year)

..... (in CFA)

..... (year)

..... (in CFA)

Comments to this section (for the enumerators to be filled in):

Part 6: BUSINESS INFORMATION - BENEFITS

89. What is the maximum capacity in terms of new pallets that can be annually treated?
..... (please express the maximum number of pallets)

90. How many new pallets do you actually treat?
A. Please express the number of treated pallets in 2014
.....

B. Please express the volume of treated pallets in 2014 in cubic meters
.....

91. How many new pallets did you treat in the previous years?
A. Please express the number of treated pallets in 2013
.....

B. Please express the volume of treated pallets in 2013 in cubic meters
.....

C. Please express the number of treated pallets in 2012
.....

D. Please express the volume of treated pallets in 2012 in cubic meters
.....

92. What is the maximum capacity in terms of re-used pallets that can be annually treated?
A. Please express the maximum number of pallets
.....

B. Please express the maximum capacity in cubic meters
.....

93. How many re-used pallets do you actually treat?

A. Please express the number of re-used pallets

.....

B. Please express the volume in cubic meters of re-used pallets

.....

94. How much did you charge:

A. per each wood pallets before the ISPM-15 implementation?

..... (in CFA)

B. per cubic meter of wood pallets before the ISPM-15 implementation?

..... (in CFA)

95. Do you attribute any difference in price before and after the ISPM-15 implementation to the standard implementation?

Yes (please go to question 97)

No

96. If the answer was 'NO', what do you think has caused this price differential? (multiple answers possible)

Increase/decrease in the cost of wood

Increase/decrease in the cost of labour cost

Increase/decrease in the cost of energy

Increase/decrease in the cost of machineries

Other (..... please specify)

97. Do you think the sector of the wood pallet treatment business will expand in the future?

Yes

No

98. Could you tell us the reason of your previous answer?

(..... please specify)

99. Could you tell us which are the main economic and non-economic benefits for this wood treating facility to treat wood in accordance to the ISPM-15? (multiple answers possible) (this question refers to broader socio-economic environmental benefits, and it is not company-specific)

- (economic benefit 1)
- (economic benefit 2)
- (economic benefit 3)
- (economic benefit 4)
- (non-economic benefit 1)
- (non-economic benefit 2)
- (non-economic benefit 3)
- (non-economic benefit 4)

Comments to this section (for the enumerators to be filled in):

Part 7: GENERAL COMMENTS

100. Do you think there has been any effects of the ISPM-15 implementation that are specific to small wood processing facilities?

- Yes
- No (please go to question 102)

101. If the answer has been 'YES', what are the main effects for the small wood processing facilities?

- (effect 1)
- (effect 2)
- (effect 3)

102. Are you aware of any environmental impacts related to the compliance of ISPM-15?

- Yes
- No (please go to question 104)

103. If the answer has been 'YES', what are the main environmental impacts related to the wood treatment?

- (environmental impact 1)
- (environmental impact 2)
- (environmental impact 3)
- (environmental impact 4)

104. Are you aware of any other indirect impacts related to the compliance of ISPM-15?

- Yes
- No

105. Are you aware if other small wood processing facilities have been forced to close down because of facing difficulties in implementing the ISPM-15?

- Yes
- No

106. Could I please ask you to enumerate all the broader socio-economic impacts (both positive and negative ones) of the ISPM-15 standard implementation (please list in order of importance)?

A. Positive socio-economic impact

- (1st most important)
- (2nd most important)
- (3rd most important)
- (4th most important)

B. Negative socio-economic impact

- (1st most important)
- (2nd most important)
- (3rd most important)
- (4th most important)

107. Are there any problems in the overall process that should be addressed (in terms of how the standard is implemented)? (please list in order of importance)

- (1st most important)
- (2nd most important)
- (3rd most important)
- (4th most important)

108. Assuming that a treated wood pallet cost more than a non-treated wood pallet, who do you think pays the burden of paying this extra cost?

- Central government
- Exporting companies
- This wood treatment facility
- International organization
- Other (..... please specify)

Comments to this section (for the enumerators to be filled in):

Comments to the questionnaire (for the enumerators to be filled in):

THANK YOU FOR PARTICIPATING IN THE STUDY!