Appendix II
Interview questionnaire version II

Institute of Plant Biology
University of Wroclaw

LAND USE CHANGE IN RURAL AREAS OF ODRA RIVER VALLEY

RESEARCH CONDUCTED IN THE **CAVES** PROJECT
(Complexity: Agents, Volatility, Evidence and Scale)
Project funded by the EU 6FP Programme

INTERVIEW QUESTIONNAIRE

FOR LANDOWNERS
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WROCŁAW 2006

Interview no..... **Resp. code.....….**

Date..... **Interv. Code .....**

Village.....

Past - changes

1. How long have you been farming here? (ask for year and parents)

1 a What has been changed in your performance since you started? I am especially interested in the following moments: political transformation in 1989, big flood in 1997 and EU accession in 2004. *(ask for every event separately and take care that a respondent talks about all of them)*

2. And did you notice any changes in the landscape of the nearest surrounding?

3 a What about relations between neighbors? Did they change?

a) Yes b) No

If Yes: how?

3b What about relations between people and local authorities? Did they change?

a) Yes b) No

If Yes: how?

3c What about land use and farming practice? Did they change?

a) Yes b) No

If Yes: how?

3d What about methods of decision making on village's affairs? Did they change?

a) Yes b) No

If Yes: how?

II. Presence - rules

II A Land use and its changes

4. Present land use

4a) What do you cultivate on your fields? *(ask for hectares of every crop)*

4b) Why did you decide just on these types of crops?

4c) Do you have fallow/abandoned lands?

a) Yes *(ask for hectares)* b) No

If Yes: why?

4d) Do you have grasslands?

a) Yes (ask for hectares) b) No

Jeśli “Yes”: Why?

4e) Do you have gardens/orchards?

a) Yes (ask for hectares) b) No

If Yes: why?

4f) Do you have forest?

a) Yes (ask for hectares) b) No

If Yes: why?

4g) Do you have fishponds?

a) Yes (ask for hectares) b) No

If Yes: why?

4h) Do you cultivate your land in some other way?

5. Land use change

5a) Do you intend to buy/sell land or have you already done it?

a) Yes b) No

Why Yes? Why No?

5b) Do you intend to plow meadows or have you already done it?

a) Yes b) No

Why Yes? Why No?

5c) Do you intend to afforestate land or have you already done it?

a) Yes b) No

Why Yes? Why No?

5d) Do you know something about agri-environmental schemes?

a) Yes, I know quite a lot (*ask quest. 5e*)

b) Yes, I know more or less (*ask quest. 5e*)

c) I've heard something, but I don't know details

d) No, I know nothing

5e) Do you intend to participate in agri-environmental scheme or have you already done it?

a) Yes b) No

Why Yes? Why No?

6. Decision making

6a) What are the ways people in your village make decisions related to farming?

INTERVIEWER'S BOX
a) Costs and benefits calculation b) Watching farming programs on TV c) Asking for advice (*inquire about advisers*) .... d) Imitating neighbors (*which ones?)* .... e) They just do what always did – habitual behavoiur. f) They follow their experience g) Reading books, magazines etc. (which ones?) .... h) Other methods??

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7. Demanding attitudes

7a) If someone suffers from flood or fire – who should help him?

a) he should get compensation from the State

b) he should get compensation from local authorities

c) he should have been insured and get compensation from an insurance agency

d) he should receive support from family and neighbors

7b) Who should be responsible for the state of rural areas and agriculture in Poland?

INTERVIEWER'S BOX
a) Government b) Province authorities c) Local authorities d) Local communities e) Farmers/landowners f) Market mechanisms g) NGOs h) UE i) Other (what?)…….

II B Land Reclamation System maintenance and collective action

8. General knowledge and opinions

8b Who is responsible for detailed LRS according to your knowledge?

8b What would be the most efficient method of LRS maintenance according to your opinion?

a) if every farmer personally maintained LRS on his lands

b) if LRS was maintained by a voluntary Water Partnership

c) if LRS was maintained by an obligatory Water Partnership

d) if LRS was maintained by local authorities *(ask for the sources of funding)*

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.....

e) other (what?)

.....
.....
.....

8c Do you know that according to the new Water Law it is a duty of landowners to maintain LRS on their lands?

a) Yes b) No

What is your opinion about this legal solution?

9. Personal problems with drainage/irrigation

9a Do you suffer from flooding? (*inquire about frequency and extent if a respondent doesn't say*)

a) Yes *(ask 9c i d)* b) No

Frequency.....

Extent.....

9b Do you suffer from drought? (*inquire about frequency and extent if a respondent doesn't say*)

a) Yes *(ask 9c i d)* b) No

Frequency.....

Extent.....

9c What are the reasons of these problems? (*multiple choice*)

a. ditches on my fields are neglected
b. ditches on neighboring fields are neglected
c. drainage on my fields does not work
d. drainage on neighboring fields does not work
e. it is a matter of weather/climate
f. fields are flooded because I have fishponds
g. fields are flooded because there are fishponds on neighboring parcels
h. there are no irrigation facilities
i. other (what?)

9d Can you estimate the losses in yields? (in %)

- in case of flooding?

- in case of drought?

10. Personal care about LRS

10a Do you have any LRS facilities on your fields? What types?

INTERVIEWER'S BOX
a) ditches b) drained meadows or fields c) sluice gates d) culverts e) ponds f) none

10b Do you personally maintain LRS on your fields?

a) Yes b) No (ask *10c*)

If No, why?

INTERVIEWER'S BOX
a) lack of skills b) lack of strenght and health c) lack of time d) lack of equipment e) lack of knowledge f) lack of money g) lack of help h) lack of conviction that it needs to be done (because e.g. he does not see the relation between yields and LRS, or claims that LRS does not bring any benefits, is a waste of money etc.) i) lack of necessity I (because e.g. he does not depend on farming, produces only for own needs etc.) j) lack of necessity II (because e.g. no problems with flooding, lands on upland) k) conviction that it should be done by someone else

l) other

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10c. From former research we know that farmers from your municipality perceive the state of LRS as very bad. It is very likely that proper LRS would help in dealing with floodings and droughts and increased yields. At the same time we got to know that no institutions maintain LRS. Why don't farmers take LRS in their hands and maintain it themselves?

11. Collective action

11a Is there a Water Partnership in your village?

a) Yes, it is active

b) Yes, but it is suspended (*ask 11b!!!*)

c) It used to be, but was liquidated

d) It was never here

11b Why was WP suspended?

INTERVIEWER'S BOX
a) Farmers didn't want it b) Councilors didn't want it c) Other ....

11c According to your knowledge do WPs now work on the same basis as before 1989?
(If No, ask 'What has changed?')

11d We have heard that very few farmers attended WP's meetings. What was the reason for that?

11e According to many people we talked to farmers stopped paying dues for WP. Why was that so?

INTERVIEWER'S BOX
a) They didn't stop b) He/she doesn't know c) Because all money was used for administration d) Because state of LRS was getting worse e) Because WP did not exist anymore f) Other…… …… …… …… …… …… ……

II C Social networks

12. Advice and information

How many people can you ask for advice/information on farming? ..... *(write number)*

Who are they?

INTERVIEWER'S BOX
a) family b) friends c) neighbors d) advisers e) clerks f) other.....

13. Help

How many people can you ask for help on the farm?
..... *(write number)*

Who are they?

INTERVIEWER'S BOX
g) family h) friends i) neighbors j) advisers k) clerks l) other.....

14. Exchange

With how many people can you exchange products (e.g. eggs, milk, potatoes)?

15. Cooperation

15a Do people in your village help each other or organize activities for the benefit of this village?

15b How would you estimate the activity of people from your village regarding meetings, gatherings, parties, as well as associations, unions etc?

15c Do you personally actively participate in the social life of your village?

16. Sources of information

Where do you get information on farming issues?

a) press
b) TV
c) internet
d) neighbours
e) advisers

f) local authorities
g) books
h) village chairman
i) meetings
j) trainings
k) NGOs
l) other (what?)

II D Economic issues

17. Many farmers claim that agriculture in Poland is now not profitable. What, in your opinion, is the minimal size of the farm (in hecatres) that makes investments in LRS, equipment etc. profitable?

18. Could you estimate the share of income from agricultural production in the total income of your family?

INTERVIEWER'S BOX
a) 81-100%
b) 61-80%
c) 41-60%
d) 21-40%
e) do 20%
f) production for own needs only

19. Can you estimate the annual costs of the proper LRS maintenance on your lands?

20. Can you estimate the annual costs of necessary investments in agricultural production (seeds, seedlings, fertilizers, pesticides, fuel, machinery, fodder)?

21. What is the rate of the melioration fee in your case?

a) ..... (amount in zl) b) Don't know

22. What was/is the rate of the due for the Water Partnership?

a) ..... (amount in zl) b) Don't know

PERSONAL DATA

1. Farm's acreage (in ha)	
2. Respondent's age (years)	
3.Average monthly income of the family in one household (in PLN)	
4. Number of people in the household	
5. Respondent's occupation	