

Appendix

Description of the Risk Survey Baden-Württemberg 2001

Object of survey:	Perception and valuation of risks by the public of Baden-Württemberg (Germany)
Customer:	Center of Technology Assessment in Baden-Württemberg
Project management:	Ortwin Renn, Center of TA in Baden-Württemberg Michael M. Zwick, University of Stuttgart, Department for ›Sociology of Technologies and Environment‹
Method of survey:	The survey was carried out as a face-to-face paper&pencil-survey by INRA Deutschland.
Basic population:	All german-speaking persons older than 16 years who live in private households in Baden-Württemberg (Germany).
Sample survey and selection procedure:	Representative, multistage layered random sample survey, according to an ADM-Master-Sample. The selection process had three stages: <ol style="list-style-type: none"> 1. Selection of sample-points; Out of the selection tape of the ADM-sample-survey-system there have been selected at random 300 sample-points. 2. Selection of the households according to the random-route-method. 3. Selection of the questioned persons according to the ›next-birthday-method‹. In order to get an interview with the person the households were contacted up to three times.
Correction of the sample survey:	Adjusting the sample to personal representativity by a weighting variable (›GEWICHT‹). <ol style="list-style-type: none"> 1. Each case is multiplied with the number of persons older than 16 years in the household. To get the actual case number then it is divided by the average number of persons in a household. 2. Alignment of the unweighted sample survey structure with the official statistics according the characteristics age, sex, region and political size of the place of residence.
Period of data collection:	The interviews were carried out from February 2 till March 30, 2001.
Interviewer and control:	For this survey 45 interviewers were employed. 10 percent of the interviews were controlled.

Codeplane

The variables can be found in bold face and in brackets at the end of each question:
(VARIABLE)

Abbreviations used:

. sysmis
d.k. don't know
d.n.a. did not answer
msg. missing values
n.a. no answer
n.s. no Statement

A) *How many persons live permanently in your household, including yourself and the children? (HAUSHGR)*

1: one person
2: two persons
3: three persons
4: four persons
5: five persons
6: six persons
7: seven persons
8: eight persons
9: nine persons +

B) *And how many persons are 16 years old or older? (HAUSH16)*

1: one person
2: two persons
3: three persons
4: four persons
5: five persons
6: six persons
7: seven persons
8: eight persons
9: nine persons +

C) *Please give me the first name of this ... (answer of question B) persons and start with the oldest person.*

SPLIT (the split-half is based on random)

1: text only

2: text & image (*images are shown below*)

INT.: Hand over card 1 ›BSE‹ of the white pack of cards.

Q1: *What do you think about BSE? Which are the three most important points according to your opinion? (BSE1, BSE2, BSE3, BSE4)*

INT.: Please note the arguments.

1:

2:

3:

INT.: Present scale 2.

Q2: *How strongly do you feel menaced by BSE? Please tell me with this scale. 1 means that you do not feel menaced at all, 7 means that you feel very menaced. With the values in between you can grade your opinion. (V1)*

1: I do not feel menaced at all

2:

3:

4:

5:

6:

7: I strongly feel menaced

9: don't know / no statement

INT.: Present scale 3.

Q3: *There are people, who act and decide very carefully; others voluntarily take higher risks. How about you? Are you rather a careful person or rather a person prepared to take risks? 1 means that you are a very careful person, 7 means that you are a person very prepared to take risks. With the values in between you can grade your opinion. (V2)*

1: I am a very careful person

2:

3:

4:

5:

6:

7: I am a person very prepared to take risks

9: don't know / no statement

INT.: Present scale 4.

Q4: *There are people who are very trustful, others are very mistrustful. How about you? Please tell me with this scale, 1 means that you are very trustful, and 7 means that you are a very mistrustful person. With the values in between you can grade your opinion. (V3)*

1: I am very trustful

2:

3:

4:

5:

6:

7: I am a very mistrustful person

9: don't know / no statement

INT.: Present card 2 »nuclear power plant«

Q5: *Let us talk about two technologys: At first nuclear power: What do you think about nuclear power? Which are in your opinion the three most important points? (ATOM1, ATOM2, ATOM3)*

INT.: Please note the arguments.

- 1:
- 2:
- 3:

INT.: Present scale 6 and leave it until question 12.

Q6: *How strongly do you feel manaced by nuclear power plants? Please tell me with this scale, 1 means that you do not feel menaced at all, and 7 that you strongly feel menaced. With the values in between you can grade your opinion. (V4)*

- 1: I do not feel menaced at all
- 2:
- 3:
- 4:
- 5:
- 6:
- 7: I strongly feel menaced
- 9: don't know / no statement

INT.: Present card 3 »Radiation of mobile phones«.

Q7: *What do you think about radiation of mobile phones (german: »handy«)? Which, in your opinion, are the three most important points? (HANDY1, HANDY2, HANDY3, HANDY4)*

INT.: Please note the arguments.

- 1:
- 2:
- 3:

INT.: Scale 6 is not available yet.

Q8: *And how strongly do you feel menaced by the radiation of handies? Please tell me with this scale. (V5)*

1: I do not feel menaced at all

2:

3:

4:

5:

6:

7: I strongly feel menaced

9: don't know / no statement

INT.: Present card 4 ›genetically modified food‹.

Q9: *What do you think about genetically modified food? Which are the three most important points in your opinion? (GEN1, GEN2, GEN3)*

INT.: Please note the arguments.

1:

2:

3:

Q10: *How strongly do you feel menaced by genetically modified food? Please tell me with the scale. (V6)*

INT.: Scale 6 is not available yet.

1: I do not feel menaced at all

2:

3:

4:

5:

6:

7: I strongly feel menaced

9: don't know / no statement

INT.: Present card 5 ›Climatic change‹.

Q11: What do you think about »global climatic change«? Which are the three most important points, according to your opinion? (KLIMA1, KLIMA2, KLIMA3, KLIMA4)

INT.: Please note the arguments.

1:

2:

3:

INT.: Scale 6 is not available yet.

Q12: How strongly do you feel menaced by the global climatic change? Please tell me with the scale. (V7)

1: I do not feel menaced at all

2:

3:

4:

5:

6:

7: I strongly feel menaced

9: don't know / no statement

INT.: Present scale 13. (Dakes' culture pattern)

Q13: About the following statements there might exist different opinions. Please tell me with this scale, how strongly you agree or disagree with each statement.

- A. Much of the conflict in this world could be eliminated if we had more equal distribution of resources among nations. **(V8)**
- B. I support a tax shift so that the burden falls more heavily on corporations and persons with large incomes. **(V9)**
- C. Environmental and other problems would be more readily solved if there were less government intervention. **(V10)**
- D. Most of what I value in life is achieved through my own efforts; my community and the place I live in contribute little. **(V11)**
- E. I'm for my country, right or wrong. **(V12)**
- F. The police should have the right to listen in on private telephone conversations when investigating a crime. **(V13)**
- G. Centralization is one of the things that makes a country great. **(V14)**

1: approve completely

2: rather approve

3: partly / partly

4: rather disapprove

5: disapprove completely

9: don't know / no statement

INT.: Present card 6 ›crime‹

Q14: Let's talk about a social problem: What do you think of the subject criminality? Which are, in your opinion, the three most important points? (KRIMI1, KRIMI2, KRIMI3, KRIMI4)

INT.: Please note the arguments:

1:

2:

3:

INT.: Present scale 15

Q15: *How strongly do you feel menaced by criminality? Please tell me with the scale from 1 to 7. (V15)*

1: I do not feel menaced at all

2:

3:

4:

5:

6:

7: I feel strongly menaced

9: don't know / no statement

INT.: Present scale 16

Q16: *How do you judge the threats that criminality holds for the society? Please tell me with the scale. 1 means that criminality does not hold any threats for the society, 7 means that it holds many threats. With the values in between you can grade your opinion. (V16)*

1: Holds no threats for the society

2:

3:

4:

5:

6:

7: Holds many threats for the society

9: don't know / no statement

INT.: Present card 7 ›Smoking‹

Q17: *What do you think about smoking? Which, in your opinion, are the three most important points? (RAUCH1, RAUCH2, RAUCH3)*

INT.: Please note the arguments

1:

2:

3:

INT.: Present scale 18

Q18: *And how strong do you feel menaced by smoking? Please tell me with the scale. (V17)*

1: I do not feel menaced at all

2:

3:

4:

5:

6:

7: I very strongly feel menaced

9: don't know / no statement

INT.: Present scale 19

Q19: *Do you experience smoking as a voluntarily accepted risk or as a forced on risk? (V18)*

1: risks are voluntarily accepted

2:

3:

4:

5:

6:

7: risks are forced on me

9: don't know / no statement

INT.: Present scale 20

Q20: *How do you judge the threats that smoking holds for the society? (V19)*

1: Holds no threats for the society

2:

3:

4:

5:

6:

7: Holds many threats for the society

9: don't know / no statement

INT.: Present scale 21

Q21: *Are you well informed about smoking and its possible risks? (V20)*

- 1: not informed at all
- 2:
- 3:
- 4:
- 5:
- 6:
- 7: very well informed

- 9: don't know / no statement

INT.: Present scale 22

Q22: *Do you think that smoking has catastrophic or only insignificant consequences for the society? (V21)*

- 1: Only insignificant consequences for the society
- 2:
- 3:
- 4:
- 5:
- 6:
- 7: Catastrophic consequences for the society
- 9: don't know / no statement

INT.: Present scale 23

Q23: *Do you think smoking with its risks is acceptable? (V22)*

- 1: Totally unacceptable
- 2:
- 3:
- 4:
- 5:
- 6:
- 7: Totally acceptable

- 9: don't know / no statement

Some general questions about different topics:

INT.: Present scale 24

Q24: *Do you experience livestock raising in a big way and the BSE-risk involved as a voluntarily accepted risk or as a risk forced on you? Please answer with this scale. 1 means that you regard the risks as voluntarily accepted by you, 7 means that the risks are forced on you. With the values in between you can grade your opinion.*

- A. livestock raising in a big way and BSE (V23). And how about ...
- B. nuclear power plants? (V24)
- C. the radiation of handies? (V25)
- D. genetically modified food? (V26)
- E. the global climatic change partially caused by private motor traffic? (V27)

1: risks are voluntarily accepted by me

2:

3:

4:

5:

6:

7: risks are forced on me

9: don't know / no statement

INT.: Present scale 25

Q25: *In your opinion, how significant are the risks that livestock raising in a big way holds for the society? Please answer with this scale. 1 means that it does not hold any risks for the society, 7 means that it holds very significant risks for the society.*

- A. livestock raising in a big way **(V28)**. And how about ...
- B. nuclear power plants? **(V29)**
- C. the radiation of handies? **(V30)**
- D. genetically modified food? **(V31)**
- E. the global climatic change? **(V32)**

- 1: does not hold any risks for the society
- 2:
- 3:
- 4:
- 5:
- 6:
- 7: holds many risks for the society

9: don't know / no statement

INT.: Present scale 26

Q26: *How big is your personal profit by livestock raising in a big way? Please answer with this scale.*

- A. livestock raising in a big way **(V33)** And how about ...
- B. nuclear power plants? **(V34)**
- C. handies? **(V35)**
- D. genetically modified food? **(V36)**
- E. private motor traffic? **(V37)**

- 1: not useful for me
- 2:
- 3:
- 4:
- 5:
- 6:
- 7: very useful for me

9: don't know / no statement

INT.: Present scale 27

Q27: *And, in your opinion, how big is the profit the society has by livestock raising in a big way? Please answer with this scale.*

- A. livestock raising in a big way **(V38)**. And how about ...
- B. nuclear power plants? **(V39)**
- C. handies? **(V40)**
- D. genetically modified food? **(V41)**
- E. private motor traffic? **(V42)**

- 1: Of no use for the society
- 2:
- 3:
- 4:
- 5:
- 6:
- 7: very useful for the society

9: don't know / no statement

INT.: Present scale 28

Q28: *In your opinion, is profit and risk of livestock raising in a big way and BSE distributed fairly or unfairly? Please answer with this scale.*

- A. livestock raising in a big way and the BSE-risk involved **(V43)** And how about ...
- B. nuclear power plants? **(V44)**
- C. the radiation of handies? **(V45)**
- D. genetically modified food? **(V46)**
- E. private motor traffic and the also thereby caused climatic change? **(V47)**

- 1: profit and risk fairly distributed
- 2:
- 3:
- 4:
- 5:
- 6:
- 7: profit and risk unfairly distributed

9: don't know / no statement

Q29: *Also in politics you can not have all at once. On these cards (INT.: present green pack of cards) you will find some goals that can be pursued by politics. If you would have to choose among these different goals, which goal seems to be the most important for you personally?*

INT.: Each only one naming possible!

*And which goal seems second most important for you?
And which one would be third place?*

- A. Maintenance of law and order in this country (V48)
- B. More influence of the citizens on the decisions of the government (V49)
- C. Fighting rising prices (V50)
- D. Protection of the right of free expression of opinion (V51)

- 1. Naming
- 2. Naming
- 3. Naming

INT.: Present Scale 30

Q30: *Do you think that BSE is a risk you can influence or not? Please answer with this scale.*

- A. BSE (V52). And how about ...
- B. nuclear power plants? (V53)
- C. the radiation of handies? (V54)
- D. genetically modified food? (V55)
- E. the global climatic change, also caused by private motor traffic? (V56)

- 1: is a risk that can be influenced
- 2:
- 3:
- 4:
- 5:
- 6:
- 7: is a risk that can not be influenced

9: don't know / no statement

INT.: Present scale 31

Q31: *Do you think that BSE has catastrophic or only insignificant consequences for the society?
Please answer with this scale.*

- A. BSE (V57). And how about ...
- B. nuclear power plants? (V58)
- C. the radiation of handies? (V59)
- D. genetically modified food? (V60)
- E. the global climatic change, also caused by private motor traffic? (V61)

- 1: only insignificant consequences for the society
- 2:
- 3:
- 4:
- 5:
- 6:
- 7: catastrophic consequences for the society
- 9: don't know / no statement

INT.: Present scale 32

Q32: *Are you well informed about BSE? Please answer with this scale.*

- A. BSE (V62). And about ...
- B. nuclear power plants and their risks? (V63)
- C. the radiation of handies? (V64)
- D. genetically modified food? (V65)
- E. the global climatic change? (V66)

- 1: do not know anything about it
- 2:
- 3:
- 4:
- 5:
- 6:
- 7: I am very well informed
- 9: don't know / no statement

INT.: Present scale 33

Q33: *Do you think livestock raising in a big way and the BSE-risk involved is acceptable? Please answer with this scale.*

- A. livestock raising in a big way and the BSE-risk involved **(V67)**. And how about ...
- B. nuclear power plants? **(V68)**
- C. the radiation of handies? **(V69)**
- D. genetically modified food? **(V70)**
- E. the global climatic change also caused by private motor traffic? **(V71)**

1: is not acceptable at all

2:

3:

4:

5:

6:

7: is totally acceptable

9: don't know / no statement

INT.: Sort the following cards out of the white pack of cards and do NOT present:
(Smoker, Global climatic change, BSE) (INT.: hand out pack of cards!)

Q34: *Assuming you would have to move to another place, whether you are offered a dream job there or it is necessary because of private reasons. The residential areas are ideal, but unfortunately each of these places offers a certain risk.*

card ›nuclear power plant‹: a place with a nuclear power plant

card ›coal-fired power plant‹: a place with a coal-fired power plant

card ›criminality‹: a place with a lot of criminality

card ›transmitting installations‹: a place with many transmitting installations

card ›quality of drinking water‹: a place with a poor quality of drinking water

card ›genetically modified food‹: a place where there is a big company that produces genetically modified food

Please bring the cards in a sequence that shows at which of these places you would like to live rather and at which places you would like to live the least of all.

INT.: Please note for each place the rank. ›1‹ stands for the most preferred place. Note ›9‹ for ›don't know / no statement‹

Place with nuclear power plant (V72)

Place with coal-fired power plant (V73)

Place with a lot of criminality (V74)

Place with many transmitting installations (V75)

Place with poor quality of drinking water (V76)

Place with company producing genetically modified food (V77)

1: 1. naming – most preferred place

2: 2. naming

3: 3. naming

4: 4. naming

5: 5. naming

6: 6. naming – the least preferred place

9: don't know / no statement

INT.: Present scale 35

Q35: *I now read to you some statements concerning different areas of life, about which one can be of totally different opinion. Please tell me for each statement if you totally agree, rather agree, if you would say partly/partly, or if you rather disagree or totally disagree with the statement. (A-L: Zwick's Value Indicator I)*

- A. It is very important to me that work and leisure are reasonable balanced (V78)
- B. When there are problems to be solved, I find practical approaches more important than any theory (V79)
- C. I Sometimes find it difficult to find my way in the complicated modern world (V80)
- D. My motto is: pleasure yes, but in moderation. (V81)
- E. Society should give everyone the chance to make a good career (V82)
- F. To me, self-realization means being successful and to enjoy it (V83)
- G. Modern society raises more problems than it can solve (V84)
- H. Those who do not fight or risk anything should not have any success. (V85)
- I. Sometimes I really feel inclined to drop out of society. (V86)
- J. Life means for me to have fun and to experience a lot (V87)
- K. It is very important for me to enjoy a good reputation. (V88)
- L. Those who devotes themselves to discipline and a strong sense of duty are just wasting their lifes (V89)
- M. With everything we do today we should think of the consequences for the future. (V90)

- 1: I totally disagree
- 2: I rather disagree
- 3: partly / partly
- 4: I rather agree
- 5: I totally agree

9: don't know / no statement

INT.: Present scale 36

Q36: *What do you think, how comprehensibly report the media about genetically modified food? Please tell me with this scale. 1 means that the media report totally incomprehensibly, and 5 that they report very comprehensibly.*

A. Genetically modified food (**V91**). And how about....

B. radiation of handies? (**V92**)

C. BSE? (**V93**)

D. global climatic change? (**V94**)

1: totally incomprehensible

2:

3:

4:

5: totally comprehensible

9: don't know / no statement

INT.: Present scale 37

Q37: *Furthermore, do you think that the media report about genetically modified food in a biased or a balanced way? Please tell me with this scale. 1 means that they report in a very biased way, 5 means that they report in a very balanced way. With the values in between you can grade your opinion.*

A. genetically modified food (**V95**). And how about....

B. radiation of handies (**V96**)

C. BSE (**V97**)

D. global climatic change (**V98**)

1: very biased

2:

3:

4:

5: very balanced

9: don't know / no statement

INT.: Present scale 38

Q38: *And what do you think about scientists? How dependent or independent do you think they are of economical and political interests concerning genetically modified food?*

- A. genetically modified food? **(V99)**. And how about ...
- B. radiation of handies? **(V100)**
- C. BSE? **(V101)**
- D. global climatic change? **(V102)**

- 1: totally dependent
- 2:
- 3:
- 4:
- 5: completely independent
- 9: don't know / no statement

INT.: Present scale 39

Q39: *What do you think, how strongly are the scientists aware of their responsibility for possible social consequences of their work? And how is that with genetically modified food? Are they wholly aware of it or not at all?*

- A. genetically modified food? **(V103)**. And how about ...
- B. radiation of handies? **(V104)**
- C. BSE? **(V105)**
- D. global climatic change? **(V106)**

- 1: not at all
- 2:
- 3:
- 4:
- 5: wholly
- 9: don't know / no statement

INT.: Present scale 40

Q40: *All in all: What do you think, do the responsible politicians protect the citizens very well with regard to genetically modified food? 1 means they protect the citizens totally insufficiently, 5 means that they protect them very well.*

A. Genetically modified food? (V107). And what about...

B. radiation of handies? (V108)

C. BSE? (V109)

D. global climatic change? (V110)

1: totally insufficiently

2:

3:

4:

5: very well

9: don't know / no statement

INT.: Present scale 41

Q41: *Do the politicians take seriously the fears and worries of the public regarding decisions about genetically modified food? Don't they take them seriously at all or do they take them wholly seriously?*

A. Genetically modified food? (V111). And what about...

B. radiation of handies? (V112)

C. BSE? (V113)

D. global climatic change? (V114)

1: not seriously at all

2:

3:

4:

5: wholly seriously

9: don't know / no statement

INT.: Present scale 42

Q42: *Presuming you read in the newspaper that there was a small accident in a nearby nuclear power plant that did not cause any bigger damage. In newspaper commentaries you read the following opinions. Please tell me for each one, if you totally agree with the opinion, rather agree, if you would say partly / partly or if you rather or totally disagree with the opinion.*

- A. Such accidents are only the tip of the iceberg. That shows that a big disaster will follow sooner or later. **(V115)**
- B. Such accidents show that nobody has control of the modern technology any more. **(V116)**
- C. Such accidents are necessary concomitants of the technological progress. That is inevitable. **(V117)**
- D. Such accidents show that we estranged from the nature. Now we get our revenge. **(V118)**
- E. You can't make an omelette without breaking eggs: No prosperity without risk. **(V119)**

1: totally agree

2: rather agree

3: partly / partly

4: rather disagree

5: totally disagree

9: don't know / no statement

INT.: scale 42 is still on hand

Q43: *And what about genetic engineering? You read in the newspaper that there has happened a small accident in a nearby laboratory of genetic engineering that did not cause any bigger damage. In newspaper commentaries you read the following opinions. Do you agree or disagree with these opinions?*

- A. Such accidents are only the tip of the iceberg. That shows that a big disaster will follow sooner or later. **(V120)**
- B. Such accidents show that nobody has control of the modern technology any more. **(V121)**
- C. Such accidents are necessary concomitants of the technological progress. That is inevitable. **(V122)**
- D. Such accidents show that we estranged from the nature. Now we get our revenge. **(V123)**
- E. You can't make an omelette without breaking eggs: No prosperity without risk. **(V124)**

- 1: totally agree
- 2: rather agree
- 3: partly / partly
- 4: rather disagree
- 5: totally disagree

9: don't know / no statement

INT.: Present scale 44

Q44: *To which degree in your opinion is the law regarding genetically modified food controlled by the authorities? Is it controlled completely insufficiently or very thoroughly? You can grade your opinion with the values in between.*

- A. genetically modified food? **(V125)**. And what about...
- B. radiation of handies? **(V126)**
- C. BSE? **(V127)**
- D. global climatic change? **(V128)**

- 1: completely insufficient
- 2:
- 3:
- 4:
- 5: very thoroughly

9: don't know / no statement

INT.: Present scale 45

Q45: *How properly do the ecology and consumer councils inform about genetically modified food in your opinion? Do they inform very properly or not properly at all?*

- A. genetically modified food? **(V129)**. And what about...
- B. radiation of handies? **(V130)**
- C. BSE? **(V131)**
- D. global climatic change? **(V132)**

1: not properly at all

2:

3:

4:

5: very properly

9: don't know / no statement

INT.: Present scale 46 and and leave it until question 47

Q46: *How strongly are your personal interests regarding genetically modified food represented by ecology and consumer councils? Are they represented completely insufficiently or completely sufficiently? Please answer with this scale.*

- A. genetically modified food? **(V133)**. And what about...
- B. radiation of handies? **(V134)**
- C. BSE? **(V135)**
- D. global climatic change? **(V136)**

1: completely insufficiently

2:

3:

4:

5: completely sufficiently

9: don't know / no statement

INT.: Scale 46 is still on hand

Q47: *What do you think, how sufficient are the safety precautions of the industry for the protection of the citizens regarding genetically modified food? Do you think they are completely insufficient or totally sufficient?*

- A. genetically modified food? (V137). And what about...
- B. radiation of handies? (V138)
- C. BSE? (V139)
- D. global climatic change? (V140)

1: completely insufficient

2:

3:

4:

5: totally sufficient

9: don't know / no statement

INT.: present scale 48

Q48: *How far does the industry take the requests of the public regarding genetically modified food seriously, besides its economical interests? Does it take them wholly seriously or doesn't it take them seriously at all?*

- A. genetically modified food? (V141). And what about...
- B. radiations of handies? (V142)
- C. BSE? (V143)
- D. global climatic change? (V144)

1: not seriously at all

2:

3:

4:

5: wholly seriously

9: don't know / no statement

INT.: Present list 49 and leave it until question 54

On this list there are institutions that can be responsible for the avoidance of unacceptable risks for the individual.

Q49: *What about BSE? Who is in the first place responsible for the avoidance of unacceptable risks for the citizens due to BSE?
And who would be in the second place?*

I: industry, producers (**V145**)

J: each citizen for himself (**V146**)

M: media (**V147**)

P: politics, authorities, police (**V148**)

U: environmental and consumer protection organizations (**V149**)

W: science and experts (**V150**)

N: nobody (**V151**)

1: 1st place

2: 2nd place

Q50: *And who is in the first place responsible for the avoidance of unacceptable risks for the citizens due to nuclear power plants?
And who would be in the second place?*

I: industry, producers (**V152**)

J: each citizen for himself (**V153**)

M: media (**V154**)

P: politics, authorities, police (**V155**)

U: environmental and consumer protection organizations (**V156**)

W: science and experts (**V157**)

N: nobody (**V158**)

1: 1st place

2: 2nd place

Q51: *And how is it with genetically modified food? Who on this list is in the first place responsible for the avoidance of unacceptable risks for the citizens?
And who would be in the second place?*

I: industry, producers (V159)

J: each citizen for himself (V160)

M: media (V161)

P: politics, authorities, police (V162)

U: environmental and consumer protection organizations (V163)

W: science and experts (V164)

N: nobody (V165)

1: 1st place

2: 2nd place

Q52: *And how is it with criminality? Who is in the first place responsible for the avoidance of unacceptable risks for the citizens due to criminality?
And who would be in the second place?*

I: industry, producers (V166)

J: each citizen for himself (V167)

M: media (V168)

P: politics, authorities, police (V169)

U: environmental and consumer protection organizations (V170)

W: science and experts (V171)

N: nobody (V172)

1: 1st place

2: 2nd place

Q53: *And who is in the first place responsible for the avoidance of unacceptable risks for the citizens due to transmitting stations for handies?*
And who would be in the second place?

I: industry, producers (V173)

J: each citizen for himself (V174)

M: media (V175)

P: politics, authorities, police (V176)

U: environmental and consumer protection organizations (V177)

W: science and experts (V178)

N: nobody (V179)

1: 1st place

2: 2nd place

Q54: *And who is in the first place responsible for the avoidance of unacceptable risks for the citizens due to the global climatic change?*
And who would be in the second place?

I: industry, producers (V180)

J: each citizen for himself (V181)

M: media (V182)

P: politics, authorities, police (V183)

U: environmental and consumer protection organizations (V184)

W: science and experts (V185)

N: nobody (V186)

1: 1st place

2: 2nd place

INT.: Present scale 55

Q55: *About the following statements one can be of different opinion. Please tell me for each statement if you totally agree, rather agree, if you would say partly/partly or if you rather disagree or totally disagree. (A-L: Zwick's Value Indicator II)*

- A. Law and order make life agreeable **(V187)**
- B. Religion should play a more important role in our society. **(V188)**
- C. My motto is: Buy first – you can save money later. **(V189)**
- D. Having a strong sense of belonging to one's hometown/home country is very important to me **(V190)**
- E. It is/would be important for me to play a responsible, leading role in my profession **(V191)**
- F. Who really is successful, should be allowed to have an exceptional taste **(V192)**
- G. To me, this society has not much to offer **(V193)**
- H. Education ennobles people **(V194)**
- I. Only when people concern themselves with their political interests the world can turn for the better **(V195)**
- J. Economic growth endangers the whole world **(V196)**
- K. I think foreigners should assimilate, if they want to live here **(V197)**
- L. Overconsumption is poisoning the world **(V198)**
- M. Life today, here and now is the most important for me – I do not care much about the future **(V199)**

1: totally disagree

2: rather disagree

3: partly/partly

4: rather agree

5: totally agree

9: don't know / no statement

INT.: Present scale 56

Q56: *Many people use the words LEFT and RIGHT in order to indicate different political views. We have here a scale that runs from left to right. 1 means left, 10 means right. If you think of your own political views, where would you classify your views on the scale?*
(V200)

1: Left

2:

3:

4:

5:

6:

7:

8:

9:

10: Right

11: don't know / no statement

Q57a: *Have you ever been involved in a citizens' initiative or not?* (V201)

1: Yes → go on with question S1

2: No → go on with question 57b

9: don't know / no statement → go on with question S1

Q57b: *And could you imagine to join a citizens' initiative in an important affair, or not?* (V202)

1: Yes

2: No

9: don't know / no statement

Now I have some questions concerning your identity

S1: Would you please tell me in which year you were born? (V203)

19|_|_|

INT.: Upon denial please estimate the age: (V204)

- 1: under 20
- 2: 20-29 years
- 3: 30-39 years
- 4: 40-49 years
- 5: 50-59 years
- 6: 60-69 years
- 7: 70 years and older
- 9: not possible to estimate

S2: Sex of the interviewee (V205)

- 1: male
- 2: female

INT.: Present list S3

S3: Which is your highest level of education? (V206)

- 1: I am still a pupil
- 2: school finished without final examination
- 3: completed junior high school resp. polytechnical high school with final examination 8th or 9th form
- 4: high school (entrance qualification for a technical college) resp. polytechnical high school with final examination 10th form
- 5: Entrance qualification for a university for applied science (final examinations of a College of Further Education etc.)
- 6: Graduation from high school
- 7: Other resp. extended high school with final examination 12th form (graduation from high school)
- 8: Graduation from a university for applied science
- 9: college/university graduation
- 0: no statement

S4: *Do you have completed (or do you presently go through) any professional or scientific training?*

INT.: If yes: And in which of these professional fields was or is this training?

INT.: Present list S5, multiple naming possible.

1: no (V207)

2: A in a skilled professional field (V208)

3: B in a scientific/technological professional field (V209)

4: C in a commercial or insurance field (V210)

5: D in a medical-nursing professional field (V211)

6: E in a pedagogical-advisory professional field (V212)

7: F in an artistic or journalistic professional field (V213)

8: G in a psychological professional field or a profession in social science (V214)

9: H in an other professional field (V215)

10: no statement (INT.: do not read aloud) (V216)

INT.: Please present list S5a. Multiple naming possible.

S5a: *Are you personally working?*

1: yes, full- or part-time (V217)

2: I am a pensioner (V218)

3: I am a househusband or housewife (V219)

4: I am a pupil / student (V220)

5: I participate in a training / retraining course (V221)

6: I am a soldier / person doing community work (V222)

7: I am without a job (V223)

9: no statement (V224)

S5b: (INT.: If ›full- or part-time working‹ according to S5a:) *And which profession do you practise mainly **at the moment**?*

(INT.: Otherwise:) And which profession did you practise mainly **last**?

Please give me the exact job title. (V225)

INT.: Please enter job title as exact as possible.

S6: *How religious are you? Are you... (V226)*

- 1: very religious
- 2: rather religious
- 3: a bit religious
- 4: or not religious at all?

9: no statement

S7: *How often do you smoke? Do you smoke... (V227)*

- 1: never,
- 2: sometimes, or
- 3: often?

9: no statement

S8: *We now reached the end of this interview. How interesting did you find this interview?
Did you find it... (V228)*

- 1: very interesting,
- 2: a bit interesting,
- 3: partly / partly,
- 4: a bit boring, or
- 5: very boring?

INT.: Enter time at the end of the interview:

___ ___ hour ___ ___ minute

Value labels for open questions, concerning variables ...

ATOM1 TO ATOM3,
HANDY1 TO HANDY4,
BSE1 TO BSE4,
GEN1 TO GEN3,
RAUCH1 TO RAUCH3,
KRIMI1 TO KRIMI4,
KLIMA1 TO KLIMA4

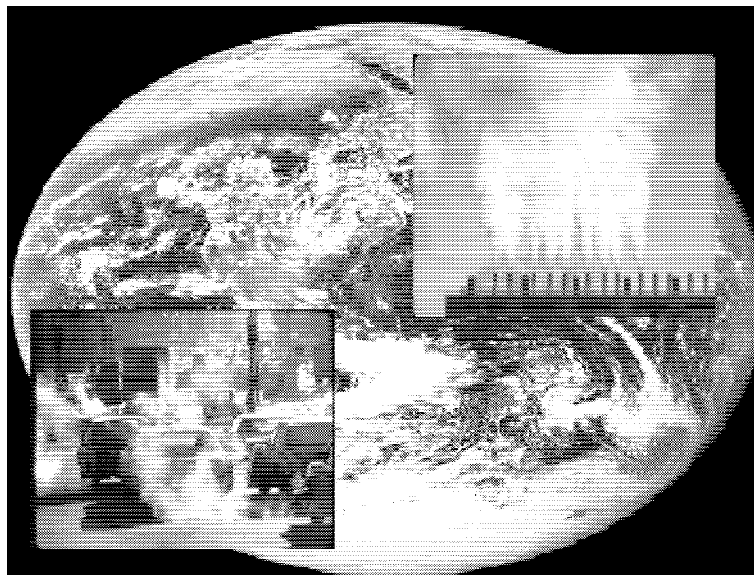
- 0: no statement
- 1: notes, description, without argument
- 11: drugs
- 12: juvenile delinquency
- 13: gangs / mafia
- 14: unemployment (perhaps cause logic 816)
- 15: right wing force / hostility to foreigners
- 16: petty criminality
- 17: bank raid
- 18: slave trade
- 19: white collar crime
- 20: education (perhaps 813)
- 21: criminality of violence
- 22: asylum-seekers / foreigners
- 30: hole in the ozone layer / ozone
- 31: polar icecaps / glaciers / icebergs melt
- 32: warming up of the earth / weather capers
- 33: greenhouse effect
- 34: destruction of nature / formation of deserts
- 35: deforestation / dying of the forests
- 36: floodings / everything that has to do with water
- 37: general disasters
- 38: motor exhausts
- 39: CO₂ values
- 100: damages
- 101: life-threatening illness
- 102: is detrimental, dangerous
- 103: pandemic risk, inescapable, not avoidable
- 104: global damage non-specific (epidemic, etc.)
- 105: neglectable, minor damage
- 106: disturbs other systems / processes / technologies
- 107: risk very small; can not be bad
- 108: physical disorders (severe) occurred
- 109: physical disorders (severe) expected
- 130: Tschernobyl (disaster)

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- 131: risk: weapons
 - 132: problem waste disposal, end disposal
 - 150: common risk that has to be accepted / nothing special
 - 151: transmitting stations dangerous (handies not)
 - 152: handy dangerous (transmitting stations not)
 - 160: addiction, drug, vice
 - 200: evaluative level
 - 201: bad / catastrophic
 - 202: rage / anger / indignation
 - 203: nothing new / that always existed
 - 204: fear / threatening
 - 205: I am sorry for our children
 - 206: bad for children, pregnant women, old people, etc.
 - 207: no trust any more
 - 208: unsureness / uncertainty / wariness
 - 209: not dangerous / zero-risk
 - 210: no fear / not threatening
 - 211: trust in persons responsible
 - 212: disapproval, opposition, it is not good
 - 213: approval, support, its good
 - 214: advantage (potential), hope for advantage, is sensible
 - 215: enthusiasm, fascination, positive emotion
 - 216: differentiation of the subject, weighing advant. / disadvant.
 - 217: scepticism, especially with regard to the future
 - 218: unnatural, against the nature, blasphemous
 - 219: it is too late
 - 220: is risky, dangerous
 - 221: good quality, better durability
 - 222: useful
 - 223: necessary
 - 224: unnecessary
 - 230: too expensive
 - 231: tolerance (is necessary)
 - 236: increasing risk
 - 237: climate changes by itself
 - 238: we are at least doing something, others not
 - 300: individual participatory or striving prospects
 - 301: no consequences / nothing changes
 - 302: change of oneself' behaviour
 - 303: is no danger any more for us older people
 - 304: no individual consternation
 - 305: individual control of the risk / individual responsibility
 - 320: I do not buy / I do not use / I do not need / I do not want
 - 321: purchase, use, application
 - 400: media
 - 401: media dramatize

- 402: media de-dramatize
- 403: media inform well / reliably
- 404: media inform badly / too late / too poorly
- 500: postulate
- 501: generally eat no meat / change eating habits
- 502: criminal consequences demanded
- 503: adequate prod demanded: e.g. prot. of animals / reduce risk
- 504: adequate production demanded: health / reduce risk
- 505: adequate production demanded: environment / reduce risk
- 506: demand concrete actions (e.g. improve handies)
- 507: control demanded
- 508: more / better research demanded
- 509: rigorous actions demanded
- 510: avoid risk
- 511: shall not / must change
- 512: eliminate risk (generally) / abolition / bring to an end
- 513: take adequate measures / adequate control necessary
- 514: protection for especially sensitized / persons at risk
- 515: conservation demanded
- 516: alternatives (energy) demanded
- 520: labelling demanded
- 521: quality demanded
- 530: costs shall be increased
- 531: we can not do anything / any more
- 555: introduce death penalty
- 600: information level
- 601: one does not know enough about this risk
- 602: risk exists for a longer time, becomes relevant now
- 603: information becomes a risk
- 604: more better information necessary
- 605: I have informed myself (also casually)
- 650: dependence on experts
- 651: trust in experts (act well, reliably)
- 652: mistrust of experts (bad performance)
- 691: risk as production / media excitement
- 700: participant/responsible person vs. victim angle
- 701: public victim, industry culprit
- 702: mankind guilty / everybody for himself responsible
- 703: producers harm animals or environment
- 704: farmers as victims
- 705: failure of politics
- 706: I use a handy / accept the risk
- 707: high individual use; use > risk
- 708: individ. minimization of risk (e.g. eat no meat, economize electr.)
- 709: science (scientists) as culprits
- 710: industrial nations are responsible / to be blamed

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- 800: cause logic in the broader sense
 - 801: profit lust
 - 802: production mistake / defect, product poor, immature
 - 803: intensive livestock farming / feeding
 - 804: market settlement
 - 805: prestige, group pressure
 - 811: violence in the media
 - 812: hostility to foreigners
 - 813: educational deficiencies
 - 814: problem of the cities, or not dangerous in the country
 - 815: immigration of foreigners / asylum-seekers are criminals
 - 816: poverty
 - 817: loss of utopia / boredom / decadence syndrome
 - 818: youth- / unemployment
 - 819: organized criminality
 - 820: too much motor traffic / motor exhausts
 - 821: too much industry exhausts
 - 822: too much - CO₂ - emissions / too much fossil combustion
 - 823: overexploitation of natural resources / pollution / destruction
 - 824: too much air traffic / rockets / space travel
 - 825: life in luxury / no renunciation of affluence
 - 826: too high energy consumption / too much heating
 - 827: industrialization / economic growth
 - 900: level of action (only if no protagonist is named)
 - 901: insufficiency / incompetence, acted too late
 - 902: cover-up, lie, deception, corruption, illegitimate action
 - 903: citizens come to the obvious conclusion, minimize the risk
 - 904: the risk must be accepted, is necessary
 - 999: no statement / d.n.a / msg.

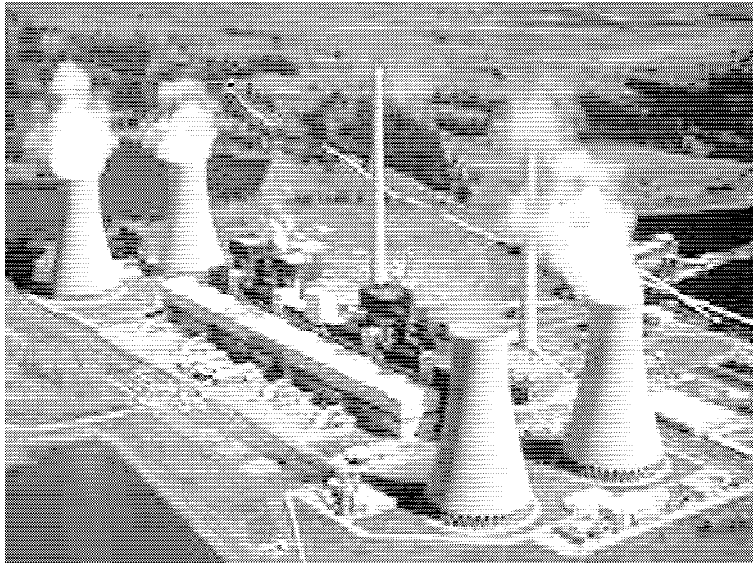
Set of cards presenting the risks



Climate Change



BSE



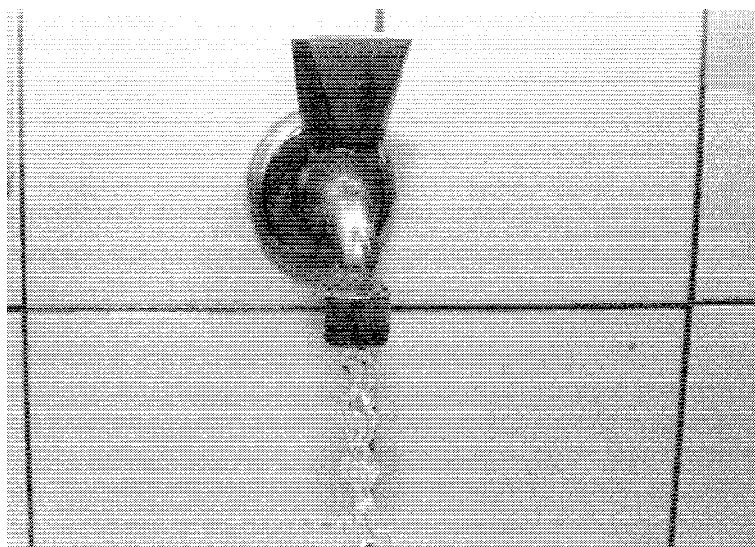
Nuclear Power



Coal-Fired Power



Criminality



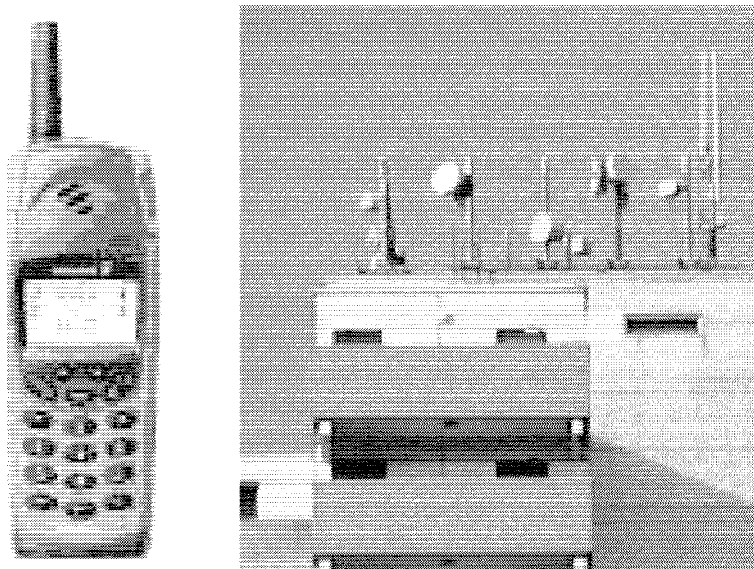
Polluted Water



Gene-Food



Smoking



Radiation of Mobile Phones

Contacts

Marcus Heinssen, student of sociology of technologies and environment at the University of Stuttgart; *heinssen@web.de*

Ester Höhle, student of sociology of technologies and environment at the University of Stuttgart; *ester.hoehle@epost.de*

Ortwin Renn, Prof. Dr., managing director of the Center of Technology Assessment in Baden-Württemberg; professor of sociology of technologies and environment at the University of Stuttgart; *ortwin.renn@ta-akademie.de*

Alexander Sautter, student of sociology of technologies and environment at the University of Stuttgart; scientific assistant at the Center of Technology Assessment in Baden-Württemberg; *alexandersautter@aol.com*

Michael M. Zwick, Dr., senior researcher at the chair of sociology of technologies and environment at the University of Stuttgart; project manager; *zwick@soz.uni-stuttgart.de*

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Center of Technology Assessment

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