

Swedish Opinion on Nuclear Power 1986–2020

Research project:
SWEDISH OPINIONS ON ENVIRONMENT,
ENERGY AND CLIMATE CHANGE (EECC)
Financed by the Swedish Energy Agency

Sören Holmberg
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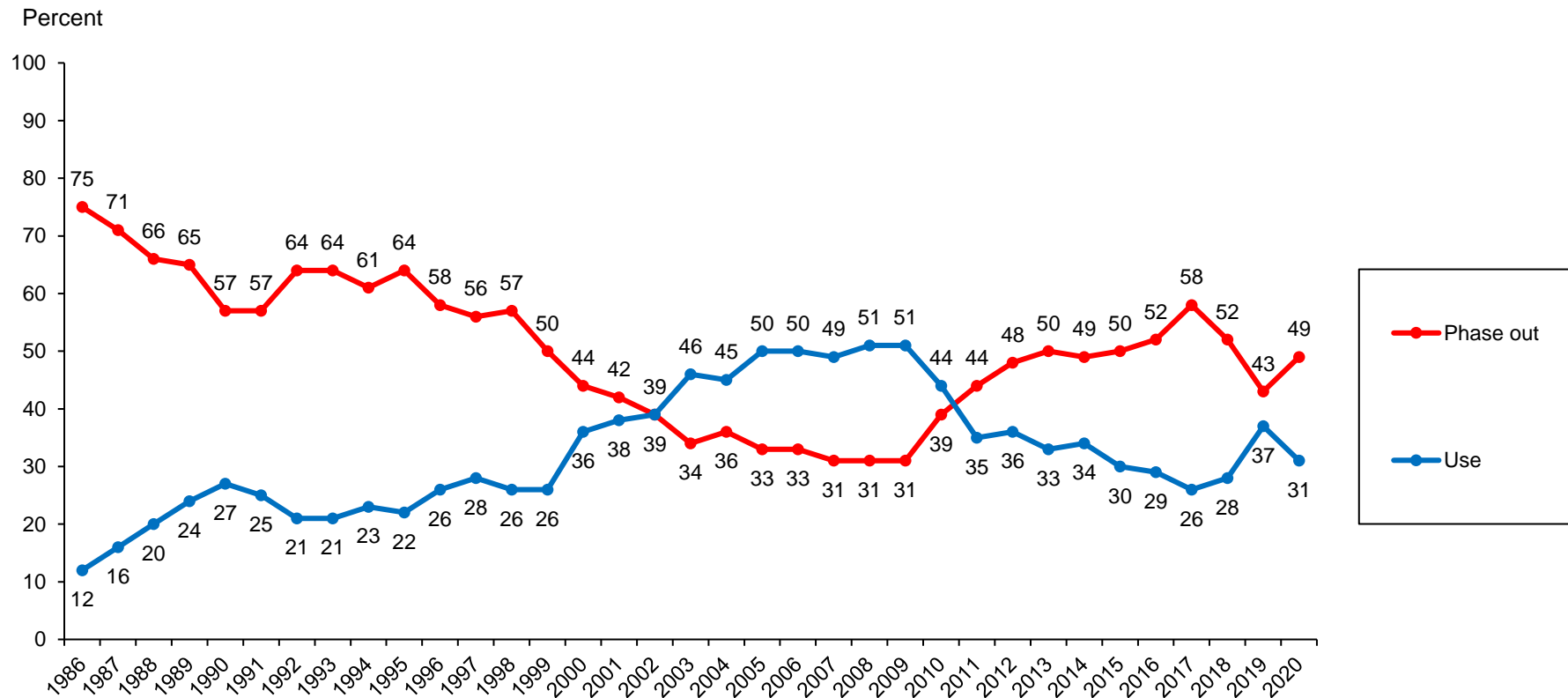


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Figure 1 Swedes on the Use of Nuclear Power as an Energy Source

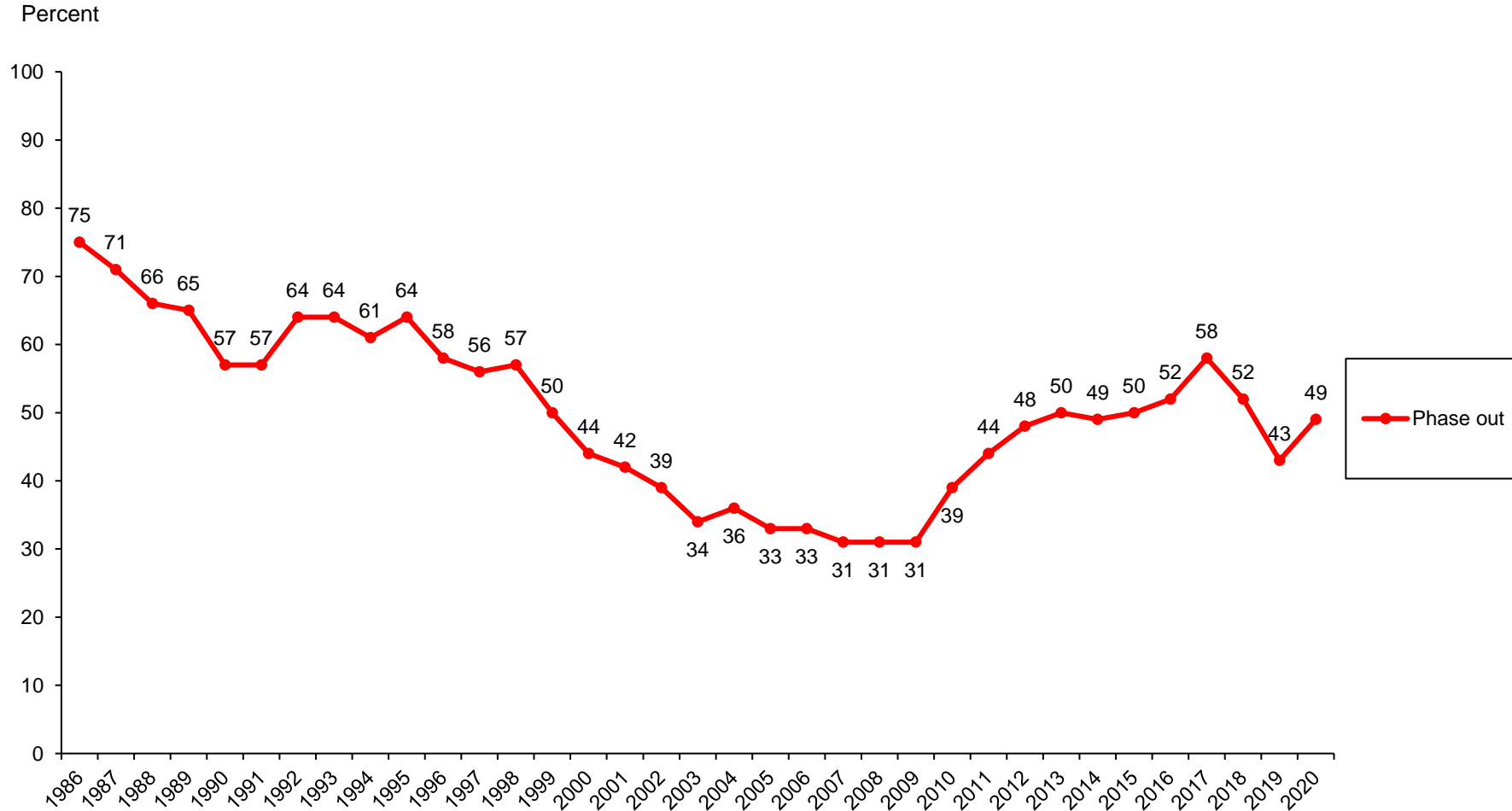


Data: The SOM Institute, University of Gothenburg; Annual nationwide surveys in Sweden; Sample size 3 000 persons 16–85 years old; Mail questionnaires with an average response rate of 60 percent. The survey question asks about Swedes' opinion on the use/long term use of nuclear power as an energy source in Sweden. Response alternatives, including a “no opinion” alternative, are phrased as relatively concrete policy proposals and have varied some over the years (see Appendix). The number of substantial response alternatives was five up until 1996/97, but there after reduced to four. The words “use nuclear power” and “phase out nuclear power” has all the time been used in the response phrasings, making it possible to distinguish between people in favour of using nuclear power versus people in favour of phasing out nuclear power. Changes in question wording occurred between the years 1986-1987 (to question A), 1997-1998 (from question A to B), 1999-2000 (from question B to C), 2004-2005 (from question C to D) and 2009-2010 (from question D to E). See the Appendix for further details. In the figure, the old five substantial response alternative- question is used up until 1997 and after that the new four substantial response alternative-question starting in 1998. In 1986, the “don't know” response was left out; therefore, the results for this year have been adjusted. The actual results were 84 percent “abolish”, 13 percent “use” and 3 percent no answer.

Comment: All respondents are included in the percent calculations.

Principal investigator: Sören Holmberg, phone +4631 7861227, e-mail soren.holmberg@pol.gu.se. Data processed by Erik Jönsson.

Figure 2 *Percent Swedes in Favour of Phasing Out Nuclear Power*

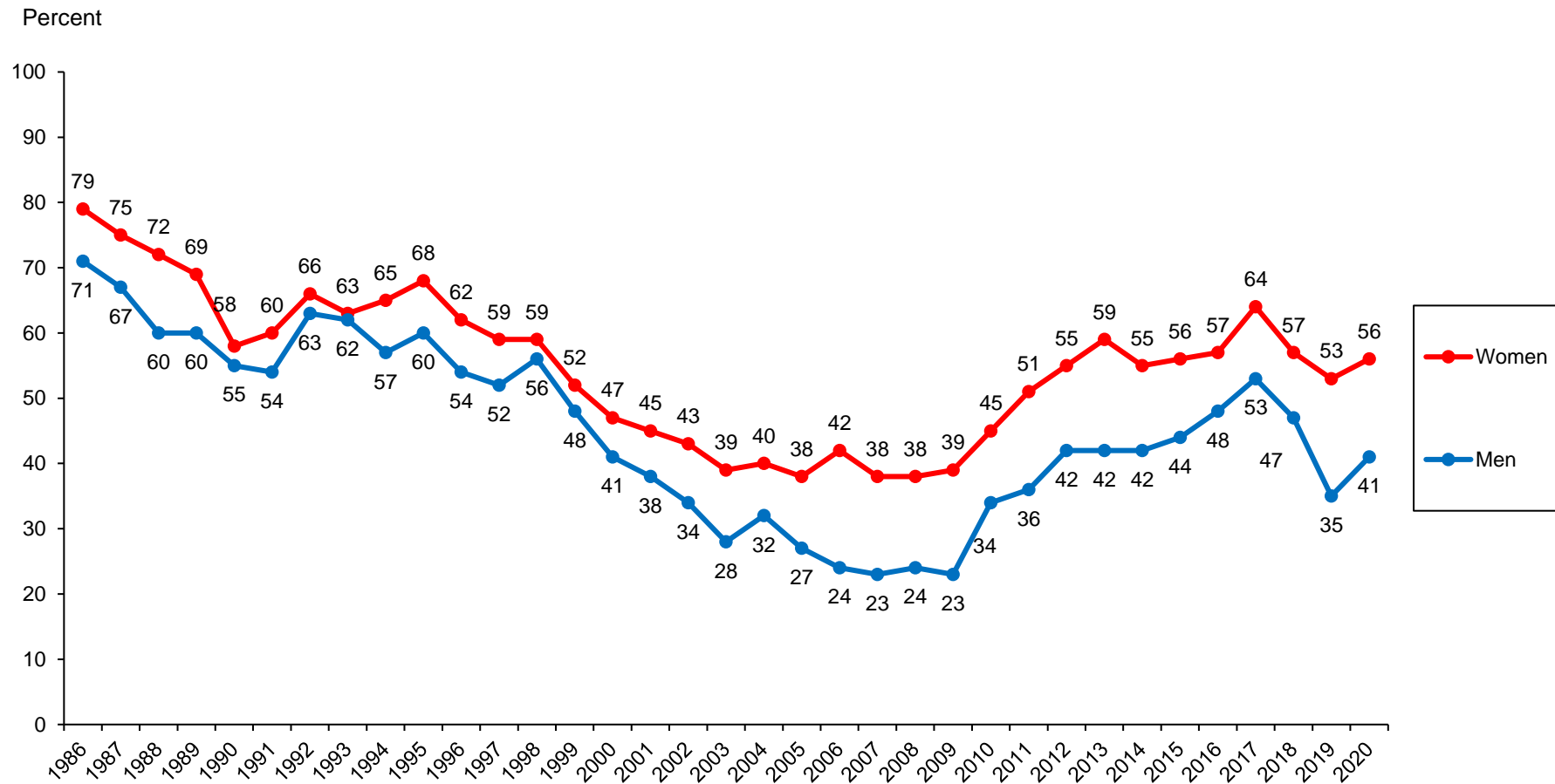


Data: The SOM Institute, University of Gothenburg; Annual nationwide surveys in Sweden.

Comment: All respondents are included in the percent calculations.

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Figure 3 *Percent in Favour of Phasing Out Nuclear Power among Swedish Women and Men*

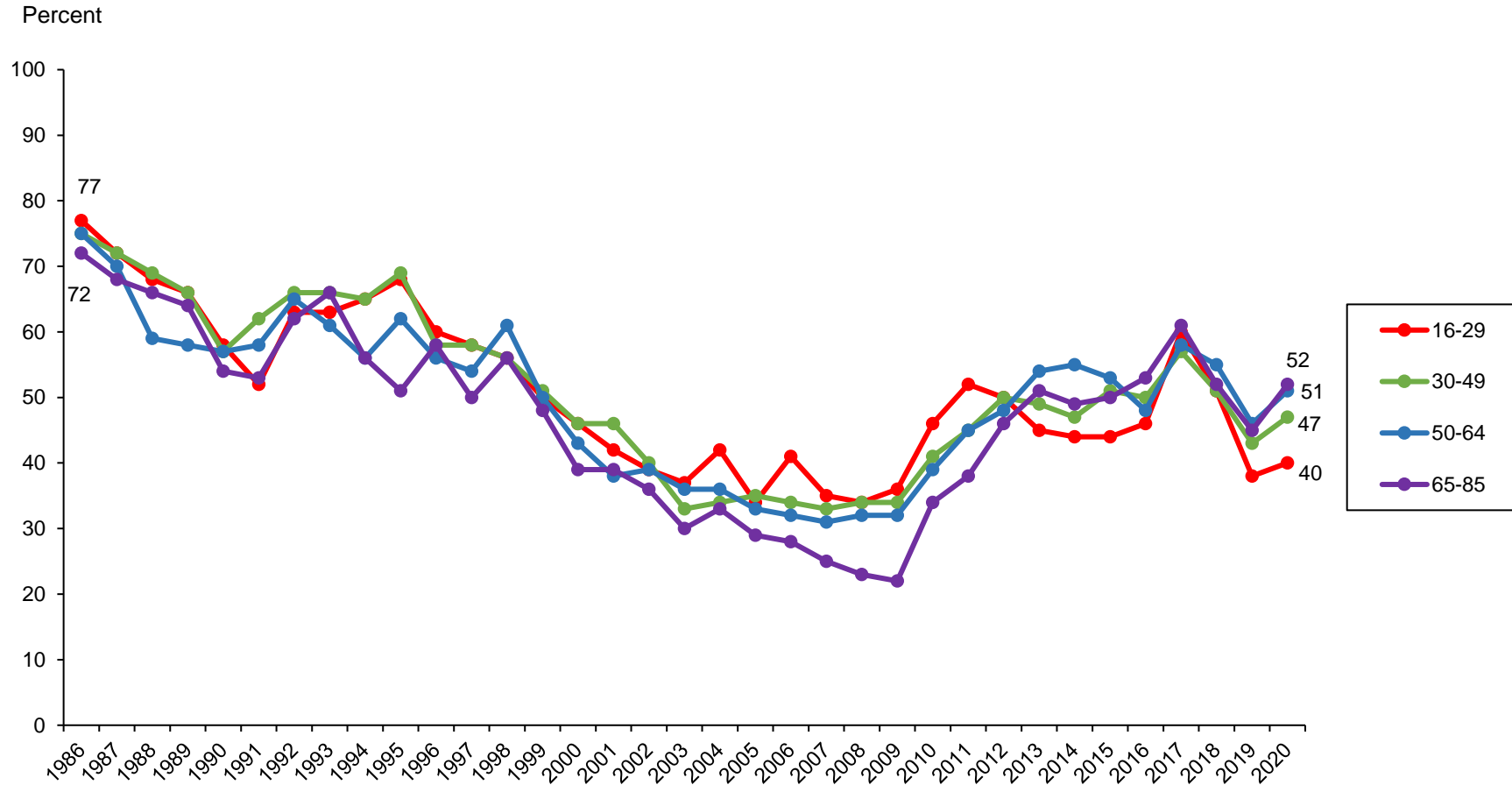


Data: The SOM Institute, University of Gothenburg; Annual nationwide surveys in Sweden.

Comment: All respondents are included in the percent calculations.

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Figure 4 *Percent in Favour of Phasing Out Nuclear Power among Swedes in Different Age Groups*

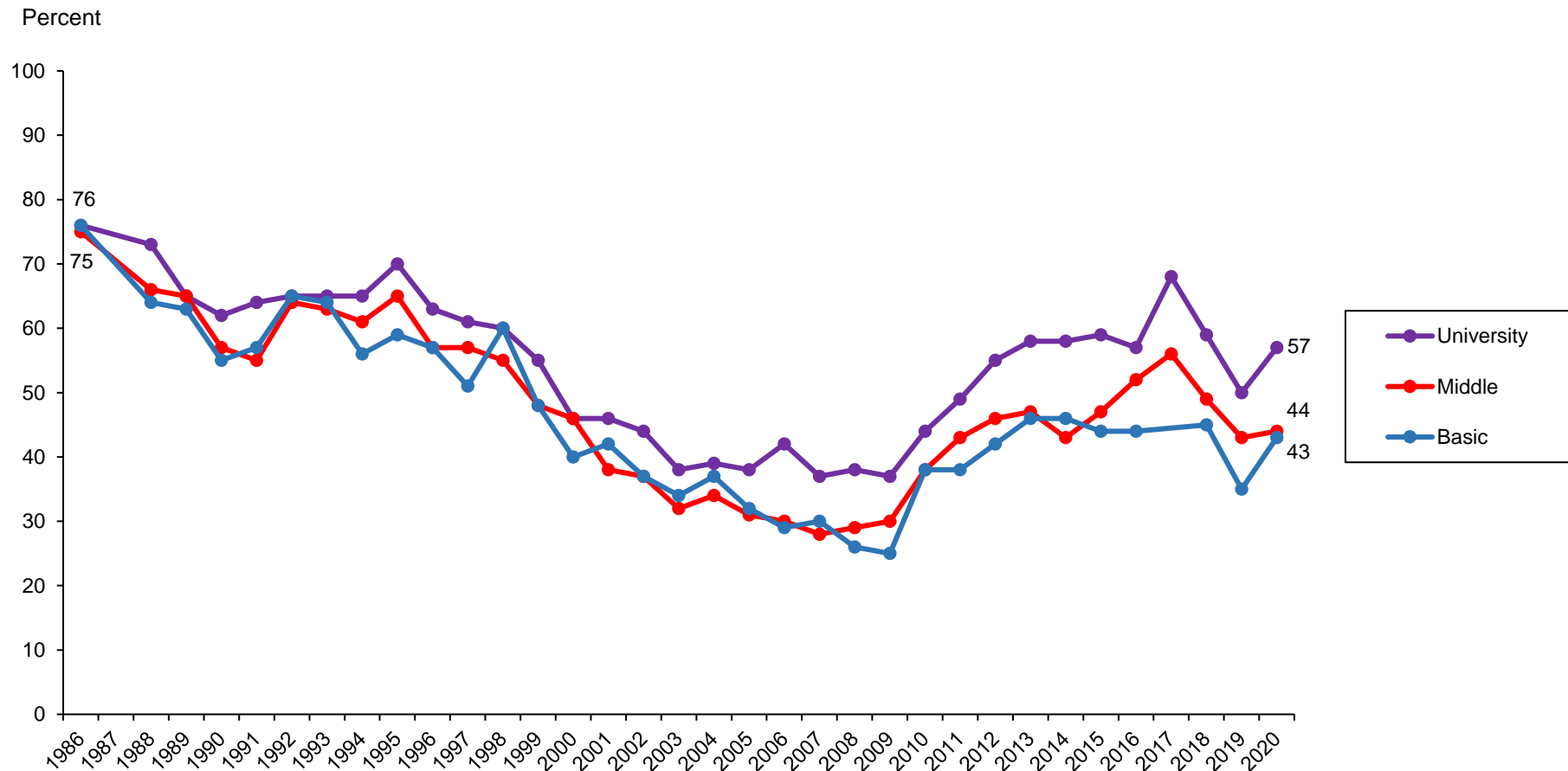


Data: The SOM Institute, University of Gothenburg; Annual nationwide surveys in Sweden.

Comment: All respondents are included in the percent calculations.

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Figure 5 *Percent in Favour of Phasing Out Nuclear Power among Swedes in Different Educational Groups*

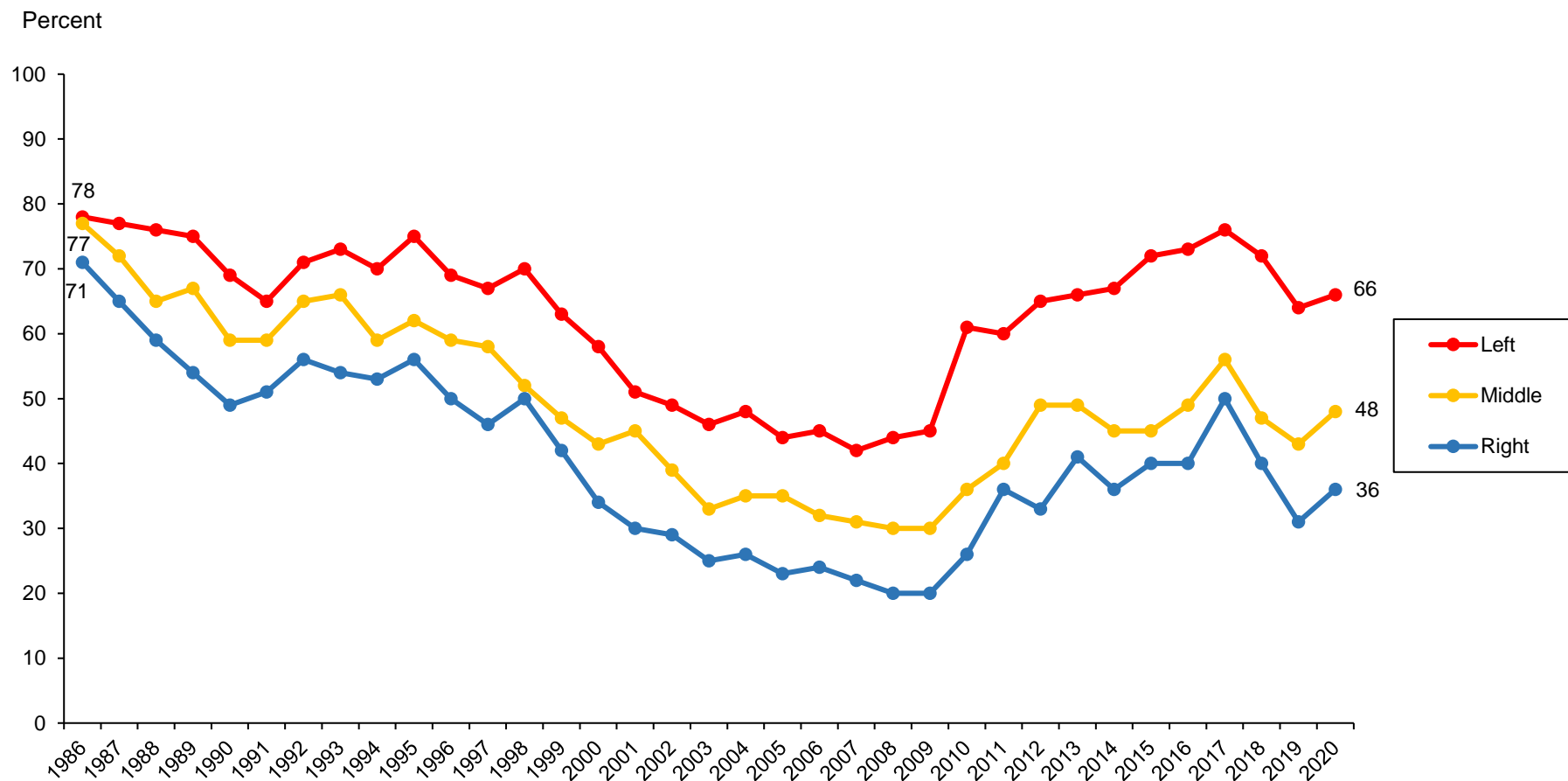


Data: The SOM Institute, University of Gothenburg; Annual nationwide surveys in Sweden.

Comment: All respondents are included in the percent calculations.

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Figure 6 *Percent in Favour of Phasing Out Nuclear Power among Swedes with Different Ideological Self-Placements*

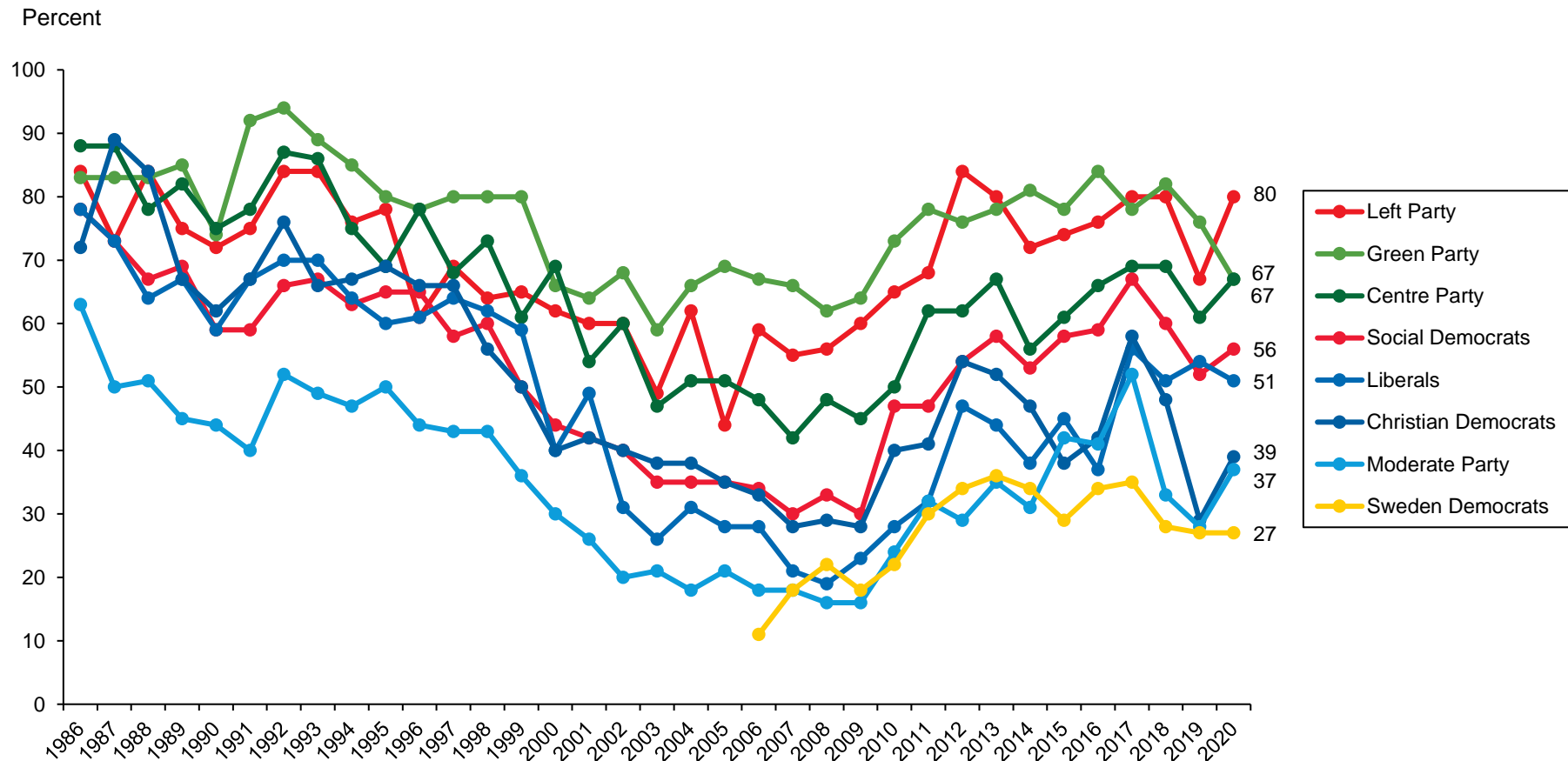


Data: The SOM Institute, University of Gothenburg; Annual nationwide surveys in Sweden.

Comment: All respondents are included in the percent calculations.

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Figure 7 *Percent in Favour of Phasing Out Nuclear Power among Swedes with Different Party Sympathies*

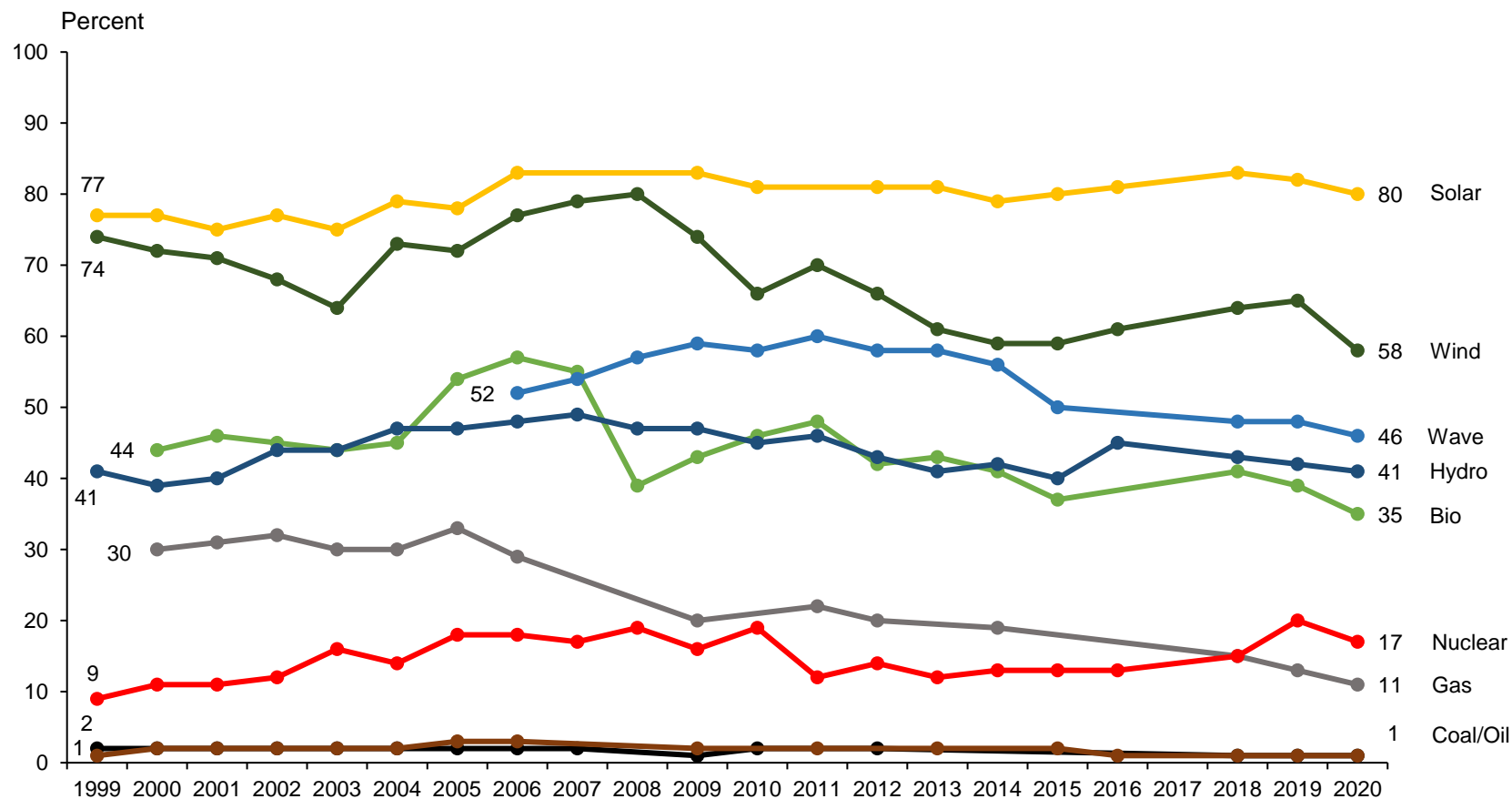


Data: The SOM Institute, University of Gothenburg; Annual nationwide surveys in Sweden.

Comment: All respondents are included in the percent calculations. The results for Feminist Initiative are 82 percent in 2014, 77 percent in 2015, 82 percent in 2016, 85 percent 2017 and 78 percent 2018.

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Figure 8 *Percent Swedes Who Think Sweden – More than Today – Should Go For Different Energy Sources*



Data: The SOM Institute, University of Gothenburg; Annual nationwide surveys in Sweden.

Comment: See question I in Appendix. Percentages are calculated among respondents who answered the question for the different energy sources. The results for biofuel and gas in 1999 were 29 and 21 percent, respectively. Due to a suspected context effect in the questionnaire, the results are not presented in the figure..

Principal investigator: Sören Holmberg, phone +4631 7861227, e-mail soren.holmberg@pol.gu.se. Data processed by Erik Jönsson.

Table 1**European Attitudes on Nuclear Power, 2005 & 2008**

	In favour		Opposed		Don't know	
	2005	2008	2005	2008	2005	2008
<i>EU 25 / EU 27</i>	37	44	55	45	8	11
1. Lithuania	60	64	27	26	13	10
2. Czech Republic	61	64	37	32	2	4
3. Bulgaria	–	63	–	13	–	24
4. Hungary	65	63	31	32	5	5
5. Sweden	64	62	33	35	3	3
6. Finland	58	61	38	36	4	3
7. Slovakia	56	60	40	31	4	9
8. Netherlands	52	55	44	42	5	3
9. France	52	52	41	40	7	8
10. Slovenia	44	51	54	46	3	3
11. United Kingdom	44	50	41	36	16	14
12. Belgium	50	50	48	47	2	3
13. Germany	38	46	59	47	4	7

Question: 'Are you totally in favour, fairly in favour, fairly opposed or totally opposed to energy produced by nuclear power stations?'

Comment: Special Eurobarometer 2005 and 2008: *Radioactive Waste*; fieldwork in February – March 2005 and 2008. Countries are ranked according to percent in favour in 2008.

Table 1 cont. European attitudes on Nuclear Power, 2005 & 2008

	In favour		Opposed		Don't know	
	2005	2008	2005	2008	2005	2008
<i>EU 25 / EU 27</i>	37	44	55	45	8	11
14. Italy	30	43	66	46	5	11
15. Estonia	40	41	50	53	10	6
16. Poland	26	39	66	46	8	15
17. Denmark	29	36	66	62	5	2
18. Romania	–	35	–	38	–	27
19. Latvia	39	35	49	57	12	8
20. Luxembourg	31	35	65	59	4	7
21. Spain	16	24	71	57	13	19
22. Ireland	13	24	70	54	17	22
23. Portugal	21	23	53	55	26	22
24. Greece	9	18	86	79	5	3
25. Malta	17	15	62	62	21	23
26. Austria	8	14	88	83	4	3
27. Cyprus	10	7	81	80	10	13

Question: 'Are you totally in favour, fairly in favour, fairly opposed or totally opposed to energy produced by nuclear power stations?'

Comment: Special Eurobarometer 2005 and 2008: *Radioactive Waste*; fieldwork in February – March 2005 and 2008. Countries are ranked according to percent in favour in 2008.

Table 2 **European Attitudes Towards the Future of Three Energy Sources, 2006**

Nuclear Energy		Nuclear Energy	
EU 25	12		
1. Hungary	35	16. United Kingdom	18
2. France	34	17. Denmark	18
3. Sweden	32	18. Germany	17
4. Estonia	32	19. Czech Republic	17
5. Latvia	30	20. Spain	16
6. Luxembourg	28	21. Romania	15
7. Finland	27	22. Turkey	15
8. Ireland	26	23. Cyprus	15
9. Slovenia	25	24. Netherlands	14
10. Bulgaria	24	25. Italy	13
11. Portugal	23	26. Belgium	11
12. Croatia	22	27. Malta	11
13. Austria	22	28. Poland	10
14. Lithuania	21	29. Turkish Cyprus	10
15. Slovakia	19	30. Greece	9

Question: 'To reduce our dependency on imported energy resources, governments have to choose from a list of alternatives, sometimes costly solutions. Which of the following should the (NATIONALITY) government mainly focus on for the years to come? (MAX 2 ANSWERS)

Comment: The figures are percentages.

Data: Special Eurobarometer: Attitudes towards Energy 2006; fieldwork October-November 2005. The interview question included two more response alternatives beside nuclear, solar and wind – 'promote advanced research for new energy technologies (hydrogen, clear coal, etc.)' and 'regulate in order to reduce our dependence of oil.' In EU25 the research alternative was supported by 41 percent and the reduce oil alternative by 23 percent. The comparable results for Sweden were 55 percent and 25 percent, respectively.

Table 3 **European Attitudes Towards the Future of Three Energy Sources, 2006**

<i>Wind Power</i>		<i>Wind Power</i>	
<i>EU 25</i>	31		
1. Denmark	59	16. Austria	35
2. Estonia	54	17. Portugal	34
3. Ireland	52	18. Malta	32
4. Belgium	49	19. Poland	30
5. Greece	44	20. Spain	28
6. Netherlands	42	21. Germany	26
7. Sweden	41	22. Czech Republic	25
8. Finland	41	23. Slovakia	23
9. Croatia	40	24. Cyprus	22
10. United Kingdom	39	25. Lithuania	22
11. Latvia	39	26. Romania	18
12. Slovenia	39	27. Bulgaria	16
13. France	38	28. Italy	15
14. Hungary	37	29. Turkish Cyprus	11
15. Luxembourg	36	30. Turkey	9

Question: 'To reduce our dependency on imported energy resources, governments have to choose from a list of alternatives, sometimes costly solutions. Which of the following should the (NATIONALITY) government mainly focus on for the years to come? (MAX 2 ANSWERS)

Comment: The figures are percentages.

Data: Special Eurobarometer: Attitudes towards Energy 2006; fieldwork October-November 2005. The interview question included two more response alternatives beside nuclear, solar and wind – 'promote advanced research for new energy technologies (hydrogen, clear coal, etc.)' and 'regulate in order to reduce our dependence of oil.' In EU25 the research alternative was supported by 41 percent and the reduce oil alternative by 23 percent. The comparable results for Sweden were 55 percent and 25 percent, respectively.

Table 4 **European Attitudes Towards the Future of Three Energy Sources, 2006**

<i>Solar Power</i>		<i>Solar Power</i>	
<i>EU 25</i>	48		
1. Cyprus	76	16. Hungary	43
2. Greece	70	17. United Kingdom	43
3. France	63	18. Italy	41
4. Luxembourg	62	19. Czech Republic	41
5. Croatia	60	20. Finland	38
6. Slovenia	60	21. Bulgaria	38
7. Malta	58	22. Portugal	37
8. Germany	55	23. Poland	37
9. Austria	54	24. Estonia	35
10. Belgium	51	25. Ireland	32
11. Turkish Cyprus	50	26. Sweden	31
12. Spain	50	27. Romania	29
13. Netherlands	47	28. Turkey	27
14. Denmark	45	29. Latvia	25
15. Slovakia	44	30. Lithuania	16

Question: 'To reduce our dependency on imported energy resources, governments have to choose from a list of alternatives, sometimes costly solutions. Which of the following should the (NATIONALITY) government mainly focus on for the years to come? (MAX 2 ANSWERS)

Comment: The figures are percentages.

Data: Special Eurobarometer: Attitudes towards Energy 2006; fieldwork October-November 2005. The interview question included two more response alternatives beside nuclear, solar and wind – 'promote advanced research for new energy technologies (hydrogen, clear coal, etc.)' and 'regulate in order to reduce our dependence of oil.' In EU25 the research alternative was supported by 41 percent and the reduce oil alternative by 23 percent. The comparable results for Sweden were 55 percent and 25 percent, respectively.

Appendix

Swedish Opinion on Nuclear Power

Results from Different Measurements
by the SOM Institute
1986–2020

Research project:
**SWEDISH OPINIONS ON ENVIRONMENT,
ENERGY AND CLIMATE CHANGE (EECC)**
Financed by the Swedish Energy Agency
Erik Jönsson
June 2021

Swedish Opinion on Nuclear Power 1986-2020

Question A: After the 1980 Referendum, Parliament decided that nuclear power should be phased out in Sweden by 2010. What is your opinion on the use of nuclear power in Sweden?

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Stop nuclear power immediately	15	8	7	6	5	5	5	7	6	5	5	4
Phase out nuclear power faster than by 2010	27	18	16	12	7	10	12	12	10	8	6	6
Phase out nuclear power by 2010	28	27	21	23	17	20	24	24	24	23	20	16
Phase out nuclear power but not as fast as by 2010	17	20	24	25	29	24	25	23	23	30	31	32
Use nuclear power, do not phase out	13	17	21	25	28	26	21	21	24	23	27	30
No definite opinion	–	10	11	9	14	15	13	13	13	11	11	12
Sum percent	100	100	100	100	100	100	100	100	100	100	100	100
Number of respondents	1 624	1 625	1 594	1 535	1 535	1 520	1 858	1 827	1 657	1 716	1 681	1 678
Percent no answer	3	3	3	3	3	3	2	2	3	3	5	4
Number of respondents with no answer	54	47	49	43	47	53	31	30	45	61	98	76

Question A: After the 1980 Referendum, Parliament decided that nuclear power should be phased out in Sweden by 2010. What is your opinion on the use of nuclear power in Sweden?

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Stop nuclear power immediately	15	8	6	6	5	5	5	6	6	5	5	4
Phase out nuclear power faster than by 2010	26	17	15	12	7	9	12	12	10	8	5	6
Phase out nuclear power by 2010	27	27	21	23	17	19	23	23	23	22	19	16
Phase out nuclear power but not as fast as by 2010	16	19	24	24	28	24	24	23	22	29	29	30
Use nuclear power, do not phase out	13	16	20	24	27	25	21	21	23	22	26	28
No definite opinion/ no answer	3	13	14	11	16	18	15	15	16	14	16	16
Sum percent	100	100	100	100	100	100	100	100	100	100	100	100
Number of respondents	1 624	1 673	1 643	1 578	1 582	1 520	1 889	1 857	1 702	1 777	1 779	1 764

Question B: What is your opinion on the long-term use of nuclear power as an energy source in Sweden?

	1996	1997	1998	1999
Phase out nuclear power by 2010	24	20	17	17
Phase out nuclear power but use the 12 reactors we have until they are worn out	32	34	42	37
Use nuclear power and renew the 12 reactors we have when they are worn out, making sure that we have 12 operational reactors in the future	19	21	21	21
Use nuclear power and go for more than 12 reactors in the future	6	7	5	7
No definite opinion	19	18	15	18
Sum percent	100	100	100	100
Number of respondents	1 682	1 649	1 692	1 587
Percent no answer	5	6	3	7
Number of respondents with no answer	97	105	48	116

Question B: What is your opinion on the long-term use of nuclear power as an energy source in Sweden?

	1996	1997	1998	1999
Phase out nuclear power by 2010	22	19	17	16
Phase out nuclear power but use the 12 reactors we have until they are worn out	31	32	40	34
Use nuclear power and renew the 12 reactors we have when they are worn out, making sure that we have 12 operational reactors in the future	18	19	21	19
Use nuclear power and go for more than 12 reactors in the future	6	7	5	7
No definite opinion/no answer	23	23	17	24
Sum percent	100	100	100	100
Number of respondents	1 779	1 754	1 740	1 703

Question C: What is your opinion on the long-term use of nuclear power as an energy source in Sweden?

	2000	2001	2002	2003	2004
Phase out nuclear power by 2010	15	14	13	12	12
Phase out nuclear power but use the reactors we have until they are worn out	31	30	28	23	26
Use nuclear power and renew the reactors we have when they are worn out, but do not build additional reactors	27	31	30	32	32
Use nuclear power and go for additional reactors in the future	11	10	11	16	16
No definite opinion	16	15	18	17	14
Sum percent	100	100	100	100	100
Number of respondents	1 616	1 625	1 689	1 746	1 680
Percent no answer	5	7	5	4	5
Number of respondents with no answer	88	114	88	70	94

Question C: What is your opinion on the long-term use of nuclear power as an energy source in Sweden?

	2000	2001	2002	2003	2004
Phase out nuclear power by 2010	15	14	12	12	11
Phase out nuclear power but use the reactors we have until they are worn out	29	28	27	22	25
Use nuclear power and renew the reactors we have when they are worn out, but do not build additional reactors	26	29	28	31	30
Use nuclear power and go for additional reactors in the future	10	9	11	15	15
No definite opinion/no answer	20	20	22	20	19
Sum percent	100	100	100	100	100
Number of respondents	1 704	1 739	1 777	1 818	1 774

Question D: What is your opinion on the long-term use of nuclear power as an energy source in Sweden?

	2005	2006	2007	2008	2009	2010	2011
Phase out nuclear power very soon	10	10	9	9	9	9	11
Phase out nuclear power but use the reactors we have until they are worn out	25	24	24	23	23	23	26
Use nuclear power and renew the reactors we have when they are worn out, but do not build additional reactors	35	34	32	31	33	33	33
Use nuclear power and go for additional reactors in the future	17	17	19	21	19	21	15
No definite opinion	13	15	16	16	16	14	15
Sum percent	100	100	100	100	100	100	100
Number of respondents	1 655	1 591	3 290	3 180	4 824	1 584	1 479
Percent no answer	4	2	4	2	2	4	3
Number of respondents with no answer	69	38	145	79	102	68	52

Question D: What is your opinion on the long-term use of nuclear power as an energy source in Sweden?

	2005	2006	2007	2008	2009	2010	2011
Phase out nuclear power very soon	9	10	8	9	9	8	10
Phase out nuclear power but use the reactors we have until they are worn out	24	23	23	22	22	22	26
Use nuclear power and renew the reactors we have when they are worn out, but do not build additional reactors	33	33	31	30	32	32	32
Use nuclear power and go for additional reactors in the future	17	17	18	21	19	20	14
No definite opinion/no answer	17	17	20	18	18	18	18
Sum percent	100	100	100	100	100	100	100
Number of respondents	1 724	1 629	3 435	3 259	4 926	1 652	1 531

Question E: What is your opinion on the long-term use of nuclear power as an energy source in Sweden?

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Phase out nuclear power very soon	8	11	12	12	11	13	12	15	12	10
Phase out nuclear power, but make use of the 10 reactors we have until they are worn out	32	35	39	41	39	40	42	45	41	36
Use nuclear power and replace the present reactors with a maximum of 10 new reactors	28	25	26	24	26	22	20	17	18	23
Use nuclear power and build more reactors than the present 10 in the future	17	12	11	10	9	8	10	9	11	14
No opinion	15	17	12	13	15	17	16	14	18	17
Sum percent	100	100	100	100	100	100	100	100	100	100
Number of respondents	1 608	1 528	1 464	1 572	1 658	1 666	1 605	1 779	1 752	1 676
Percent no answer	3	4	4	4	3	4	3	3	2	3
Number of respondents with no answer	45	69	60	72	51	73	45	48	45	54

Question E: What is your opinion on the long-term use of nuclear power as an energy source in Sweden?

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Phase out nuclear power very soon	8	10	11	11	11	12	12	14	12	9
Phase out nuclear power, but make use of the 10 reactors we have until they are worn out	31	34	37	39	38	38	40	44	40	34
Use nuclear power and replace the present reactors with a maximum of 10 new reactors	27	24	25	23	25	22	19	17	17	23
Use nuclear power and build more reactors than the present 10 in the future	17	11	11	10	9	8	10	8	11	14
No opinion/no answer	17	21	16	17	17	20	19	17	20	20
Sum percent	100	100	100	100	100	100	100	100	100	100
Number of respondents	1 653	1 597	1 524	1 644	1 709	1 739	1 650	1 827	1 797	1 730

Question F: What is your opinion on the long-term use of nuclear power as an energy source in Sweden?

2020	
Phase out nuclear power very soon	10
Phase out nuclear power, but make use of the reactors we have until they are worn out	40
Use nuclear power and replace the present reactors with a maximum equal to what we have today	20
Use nuclear power and build more reactors than what we have today in the future	13
No opinion	17
Sum percent	100
Number of respondents	1 809
Percent no answer	3
Number of respondents with no answer	62

Question F: What is your opinion on the long-term use of nuclear power as an energy source in Sweden?

2020	
Phase out nuclear power very soon	10
Phase out nuclear power, but make use of the reactors we have until they are worn out	39
Use nuclear power and replace the present reactors with a maximum equal to what we have today	19
Use nuclear power and build more reactors than what we have today in the future	12
No opinion/no answer	20
Sum percent	100
Number of respondents	1 871

Question G: Keep nuclear power, even after 2010

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Very good proposal	11	17	23	27	34	24	20	19	20	24	26	–
Fairly good proposal	12	16	17	19	21	23	23	20	21	22	23	–
Neither good or bad	17	20	22	18	20	22	22	22	22	19	21	–
Fairly bad proposal	18	17	15	13	11	13	14	16	16	14	13	–
Very bad proposal	42	30	23	23	14	18	21	23	21	21	17	–
Sum percent	100	100	100	100	100	100	100	100	100	100	100	–
Number of respondents	1 562	1 612	1 567	1 515	1 512	1 498	1 821	1 784	1 641	1 715	1 687	–
Percent no answer	4	4	5	4	4	5	4	4	4	3	5	–
Number of respondents with no answer	62	60	76	63	70	75	68	73	61	62	92	–

Question G: Keep nuclear power, even after 2010

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Very good proposal	11	16	22	26	33	22	19	18	19	23	25	–
Fairly good proposal	12	15	16	18	21	22	22	20	21	21	22	–
Neither good or bad	16	19	21	18	19	21	21	21	21	19	20	–
Fairly bad proposal	17	17	14	12	10	13	14	15	15	13	12	–
Very bad proposal	40	29	22	22	13	17	20	22	20	20	16	–
No answer	4	4	5	4	4	5	4	4	4	4	5	–
Sum percent	100	100	100	100	100	100	100	100	100	100	100	–
Number of respondents	1 624	1 672	1 643	1 578	1 582	1 573	1 889	1 857	1 702	1 777	1 779	–

Question H: Long-term, Sweden should phase out nuclear power

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Very good proposal	23	22	23	20	18	15	15	14	16	18	17
Fairly good proposal	26	24	23	22	24	20	20	21	23	23	24
Neither good or bad	21	23	22	25	25	24	24	21	25	26	21
Fairly bad proposal	17	17	19	18	18	21	21	23	19	18	23
Very bad proposal	13	14	13	15	15	20	20	21	17	16	15
Sum percent	100	100	100	100	100	100	100	100	100	100	100
Number of respondents	3 446	3 341	1 748	3 428	3 396	3 487	3 398	1 610	1 541	1 576	1 540
Percent no answer	3	4	5	6	6	5	6	7	5	5	4
Number of respondents with no answer	115	70	94	210	210	188	214	114	88	90	58

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Very good proposal	20	20	21	19	23	20	21	21	25	22	18	19
Fairly good proposal	19	19	22	25	23	24	23	24	24	24	21	22
Neither good or bad	26	28	29	29	26	26	25	26	25	21	22	26
Fairly bad proposal	19	17	17	16	16	18	16	17	15	18	19	18
Very bad proposal	16	16	11	11	12	12	15	12	11	15	20	15
Sum percent	100	100	100	100	100	100	100	100	100	100	100	100
Number of respondents	1 515	1 587	1 463	1 459	3 239	3 284	1 627	3 049	3 275	1 725	1 662	1 808
Percent no answer	4	4	4	4	3	3	6	6	10	4	4	3
Number of respondents with no answer	67	65	68	65	111	116	112	192	380	72	68	63

Question H: Long-term, Sweden should phase out nuclear power

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Very good proposal	22	21	22	19	17	14	14	13	15	17	16
Fairly good proposal	25	23	22	21	23	19	19	20	22	22	24
Neither good or bad	21	22	21	23	23	23	23	20	23	24	20
Fairly bad proposal	16	16	18	17	17	20	20	21	18	17	22
Very bad proposal	13	13	12	14	14	19	18	19	16	15	15
No answer	3	5	5	6	6	5	6	7	5	5	4
Sum percent	100	100	100	100	100	100	100	100	100	100	100
Number of respondents	3 561	3 503	1 842	3 638	3 606	3 675	3 612	1 724	1 629	1 666	1 598

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Very good proposal	19	20	20	18	23	19	20	19	22	21	17	19
Fairly good proposal	18	18	21	24	22	23	21	23	22	23	21	21
Neither good or bad	25	27	28	28	25	25	24	25	22	21	21	25
Fairly bad proposal	18	16	16	15	16	18	15	16	14	17	19	18
Very bad proposal	16	15	10	11	11	12	14	11	10	14	18	14
No answer	4	4	5	4	3	3	6	6	10	4	4	3
Sum percent	100	100	100	100	100	100	100	100	100	100	100	100
Number of respondents	1 582	1 652	1 531	1 524	3 350	3 398	1 739	3 241	3 655	1 797	1 730	1 871

Question 1: During the upcoming 5-10 years, how much should we go for (nuclear power)?

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
More than today	9	11	11	12	16	14	18	18	17	19	16	19	12	14	13	13	13	13	12	15	21	17
About as today	34	34	36	37	38	36	36	35	33	31	34	32	30	31	29	29	27	25	23	26	27	24
Less than today	26	30	29	29	24	27	24	25	28	26	26	27	29	30	29	29	28	27	30	27	25	26
Completely give up (nuclear power)	20	19	18	16	15	16	15	15	15	16	16	14	21	18	20	18	20	23	23	19	15	19
No opinion	11	6	6	6	7	7	7	7	7	8	8	8	8	7	9	11	12	12	12	13	12	14
Sum percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Number of respondents	1592	1573	1611	1624	1713	1634	1633	1544	1559	1517	1524	1568	1431	1437	1540	1603	1593	1541	1696	1708	1642	1747
Percent no answer	7	8	6	9	6	8	5	5	6	5	4	5	7	6	6	6	8	7	7	5	5	7
Number of respondents with no answer	111	131	101	153	103	140	91	85	107	81	58	84	100	87	104	103	146	109	131	89	88	124

Question 1: During the upcoming 5-10 years, how much should we go for (nuclear power)?

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
More than today	9	10	10	11	15	13	17	17	16	18	15	18	12	13	12	12	12	13	11	14	20	16
About as today	31	31	33	34	36	33	34	33	31	29	33	30	28	29	27	28	25	23	21	24	26	23
Less than today	25	28	27	26	23	25	23	24	26	25	25	25	27	29	27	27	26	25	28	26	23	24
Completely give up (nuclear power)	19	18	17	15	14	15	14	14	14	15	15	14	19	17	19	16	18	21	22	18	14	18
No opinion/no answer	16	13	13	14	12	14	12	12	13	13	12	13	14	12	15	17	19	18	18	18	17	19
Sum percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Number of respondents	1703	1704	1739	1777	1816	1774	1774	1629	1666	1598	1582	1652	1531	1524	1644	1706	1739	1650	1827	1797	1730	1871

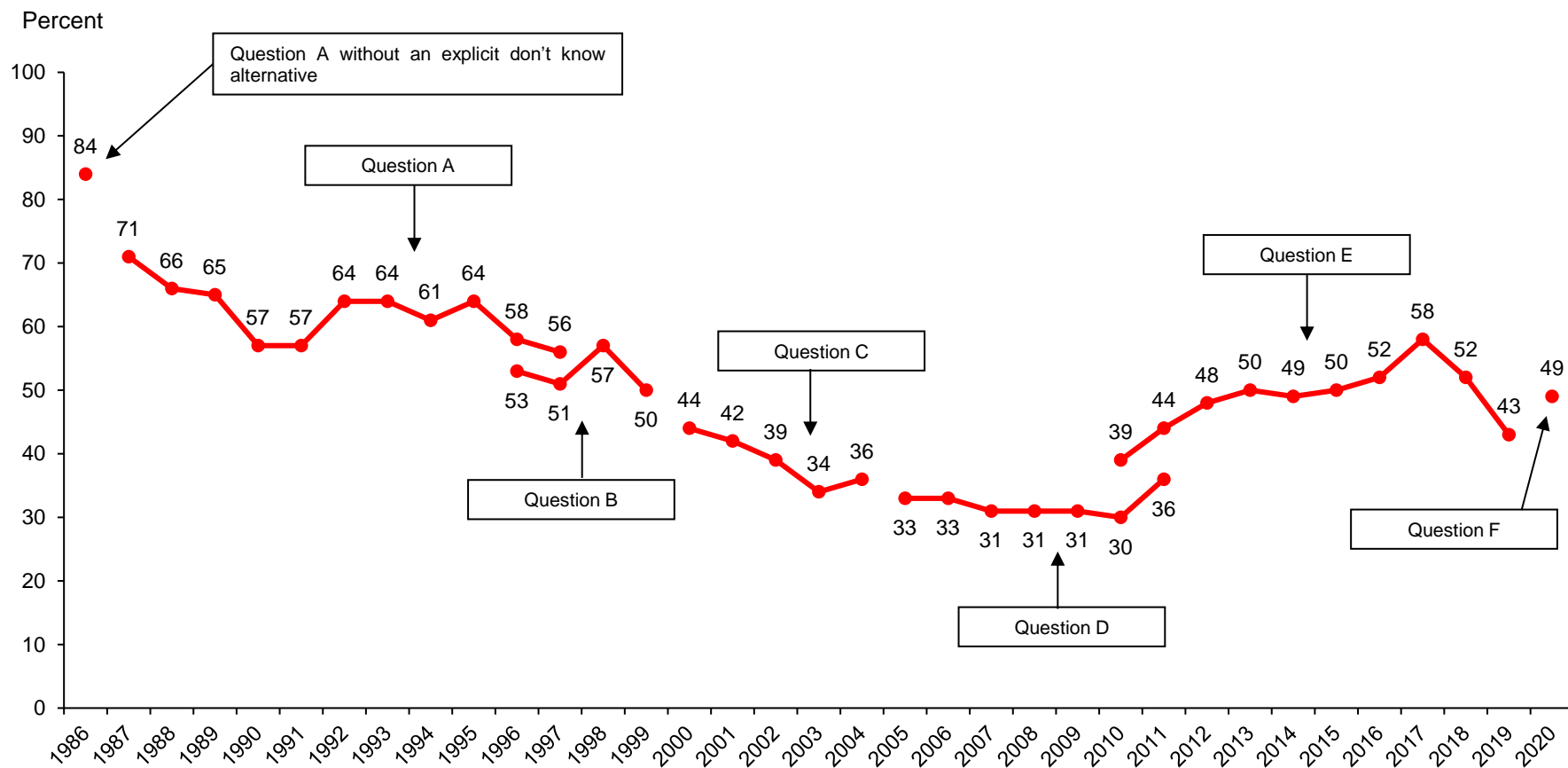
Question J: In general, which opinion do you have on the following energy sources? /Nuclear power/

	2012	2013	2014	2015	2016	2017	2018	2019	2020
Very positive	12	11	12	11	12	10	12	16	12
Fairly positive	22	21	19	19	18	17	19	22	19
Neither positive or negative	24	20	24	23	21	21	21	19	22
Fairly negative	20	22	21	19	20	23	20	19	20
Very negative	18	20	17	21	21	21	19	16	18
No opinion	4	6	7	7	8	8	9	8	9
Sum percent	100	100	100	100	100	100	100	100	100
Number of respondents	1 452	1 560	1 634	1 633	1 575	1 749	1 741	1 672	1 801
Positive	34	32	31	30	30	27	31	38	31
Negative	38	42	38	40	41	44	39	35	38
Difference positive minus negative	-4	-10	-7	-10	-11	-17	-8	+3	-7
Percent no answer	5	5	4	6	5	4	3	3	4
Number of respondents with no answer	72	84	75	106	75	78	56	58	70

Question J: In general, which opinion do you have on the following energy sources? /Nuclear power/

	2012	2013	2014	2015	2016	2017	2018	2019	2020
Very positive	11	10	11	11	11	10	11	16	12
Fairly positive	21	20	19	17	18	16	19	21	19
Neither positive or negative	22	19	23	22	20	20	20	18	21
Fairly negative	19	21	20	18	19	21	19	18	19
Very negative	18	19	16	19	20	21	19	16	17
No opinion/no answer	9	11	11	13	12	12	12	11	12
Sum percent	100	100	100	100	100	100	100	100	100
Number of respondents	1 524	1 644	1 709	1 739	1 650	1 827	1 797	1 730	1 871
Positive	32	30	30	28	29	26	30	37	31
Negative	37	40	36	37	39	42	38	34	36
Difference positive minus negative	-5	-10	-6	-9	-10	-16	-8	+3	-5

Percent Swedes in Favour of Phasing Out Nuclear Power 1986–2020



Data: The SOM Institute, University of Gothenburg; Annual nationwide surveys in Sweden.

Comment: All respondents are included in the percent calculations. For question wording, see the Appendix. Changes in question wording have been done in 1987 (in question A; in 1986 the question did not have an explicit don't know alternative), in 1996-98 from question A to B, in 2000 from question B to C, in 2005 from question C to D, in 2010-11 from question D to E, and in 2020 from question E to F. See Appendix.

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