

Swedish Opinion on Nuclear Power 1986 – 2018

Sören Holmberg
June 2019



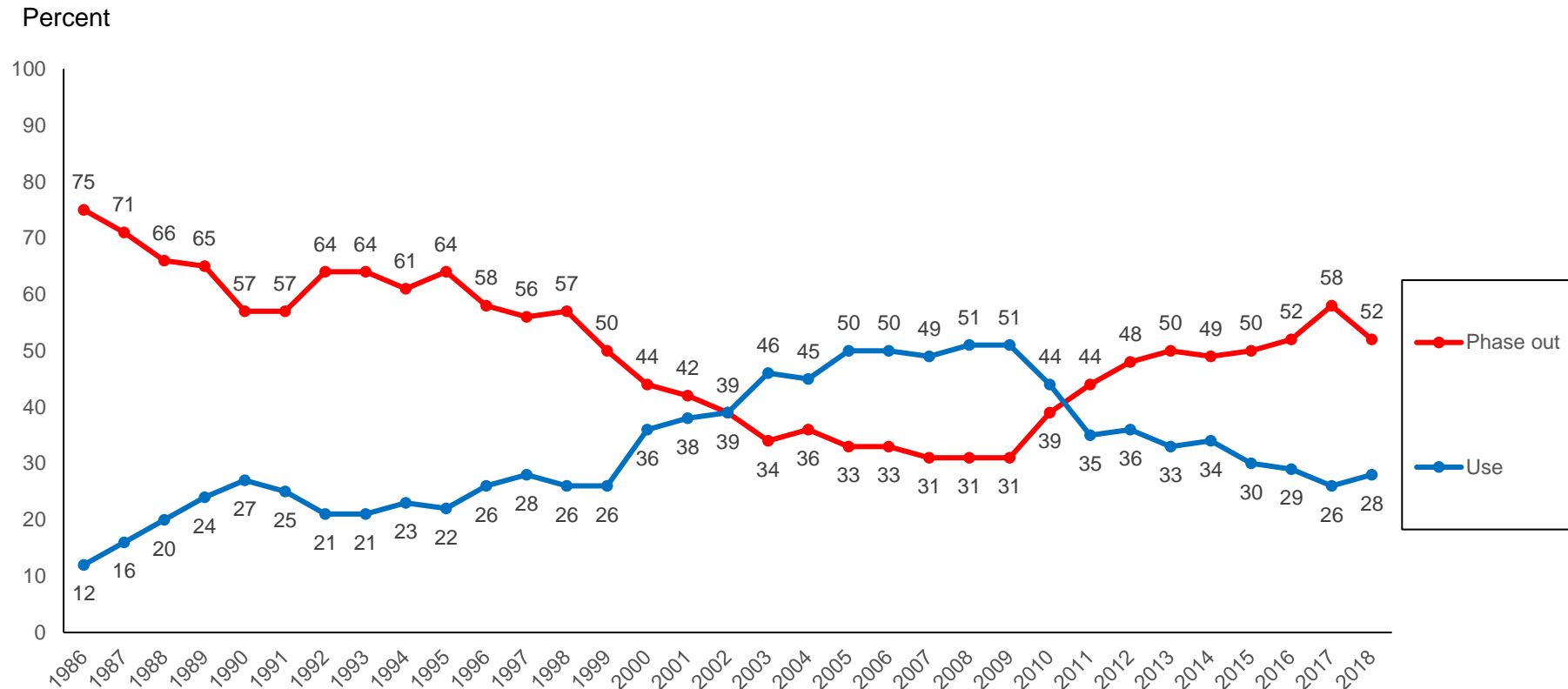
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The Research Project Energy Opinion in Sweden
Financed by Swedish Energy Agency

Swedes on the Use of Nuclear Power as an Energy Source

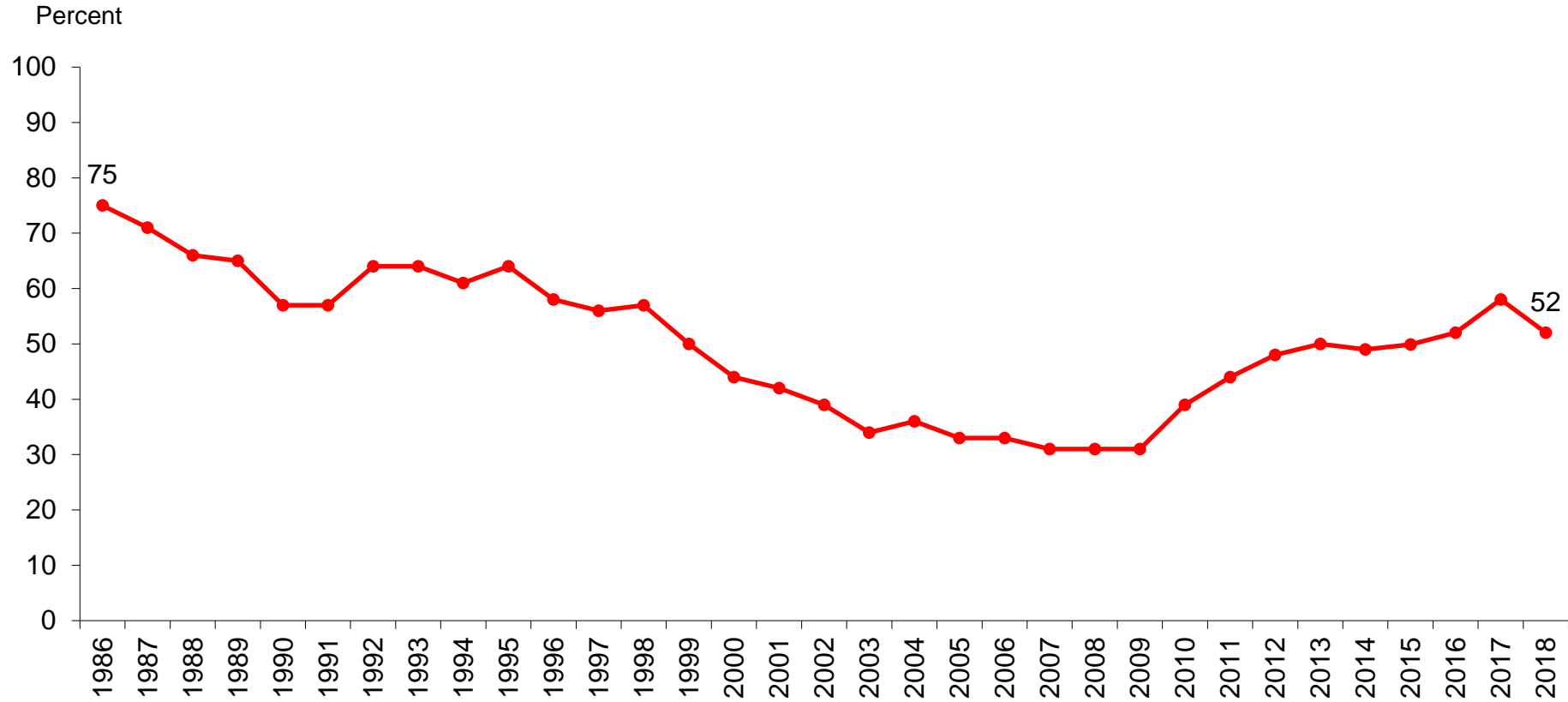


Data: The SOM Institute, University of Gothenburg; Annual nationwide surveys in Sweden; Sample size 3 000 persons 16–85 years old; Mail questionnaires with an average response rate of 60 percent. The survey question asks about Swedes’ opinion on the use/long term use of nuclear power as an energy source in Sweden. Response alternatives, including a “no opinion” alternative, are phrased as fairly 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.

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Percent Swedes in Favour of Phasing Out Nuclear Power

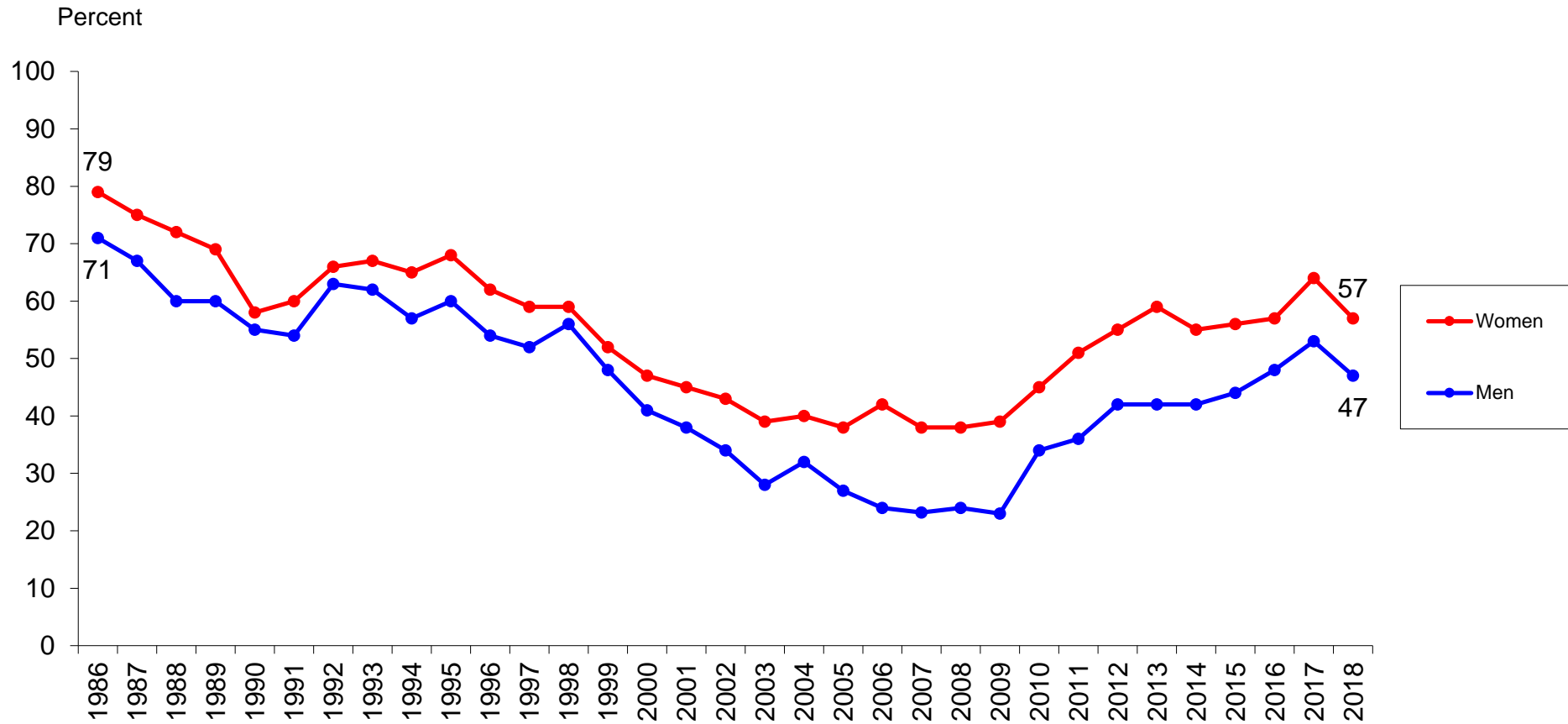


Data: The SOM Institute, University of Gothenburg; Annual nationwide surveys in Sweden.

Comment: All respondents are included in the percent calculations.

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

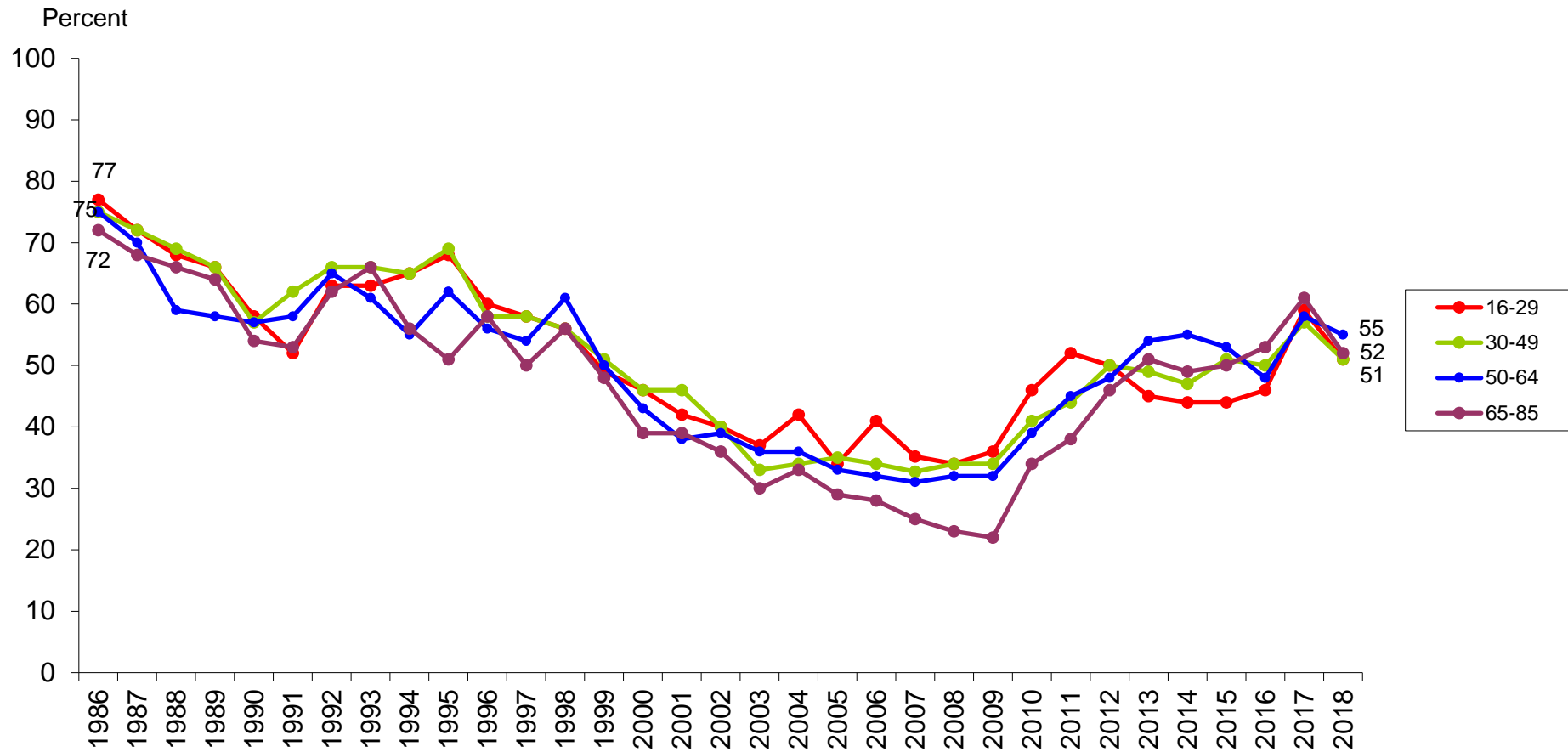


Data: The SOM Institute, University of Gothenburg; Annual nationwide surveys in Sweden.

Comment: All respondents are included in the percent calculations.

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

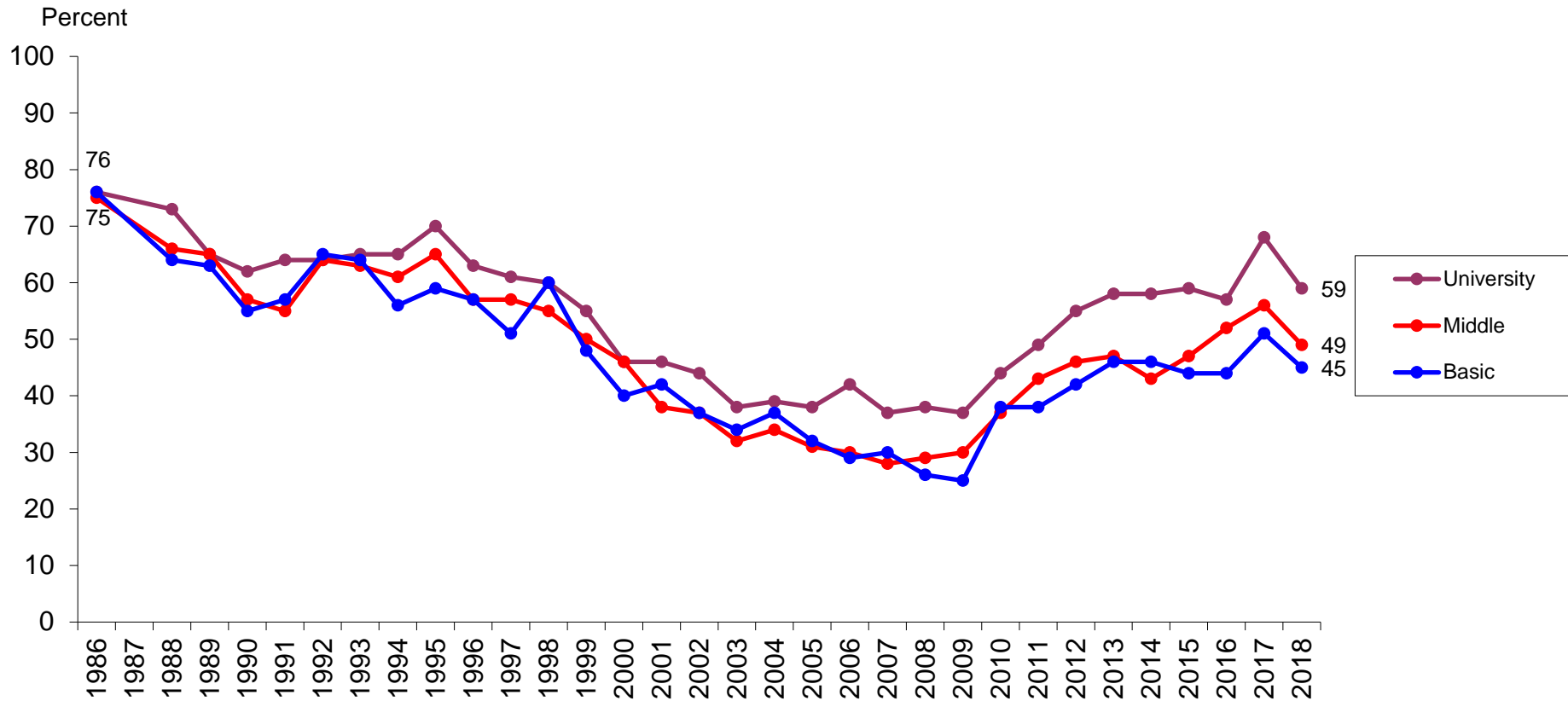


Data: The SOM Institute, University of Gothenburg; Annual nationwide surveys in Sweden.

Comment: All respondents are included in the percent calculations.

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Percent in Favour of Phasing Nuclear Power among Swedes in Different Educational Groups

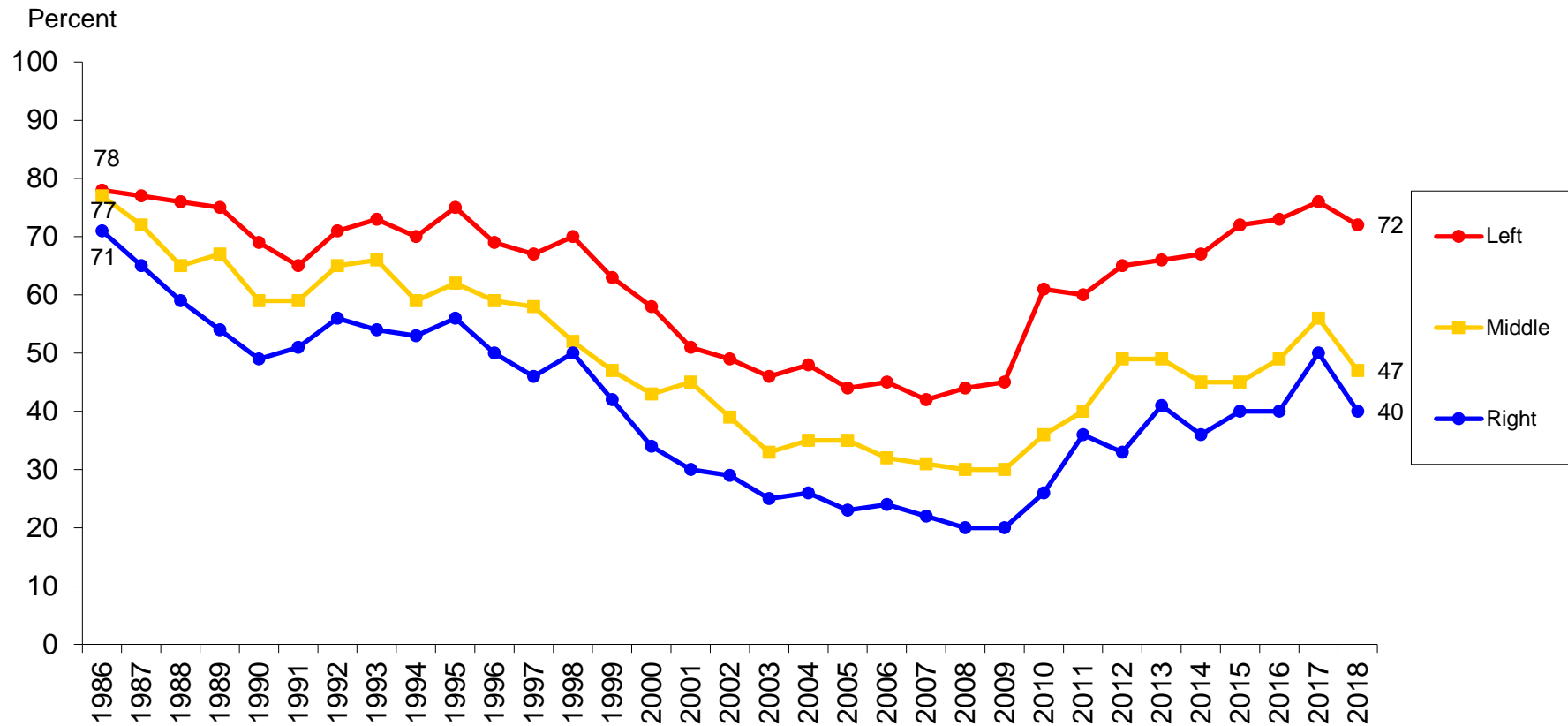


Data: The SOM Institute, University of Gothenburg; Annual nationwide surveys in Sweden.

Comment: All respondents are included in the percent calculations.

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

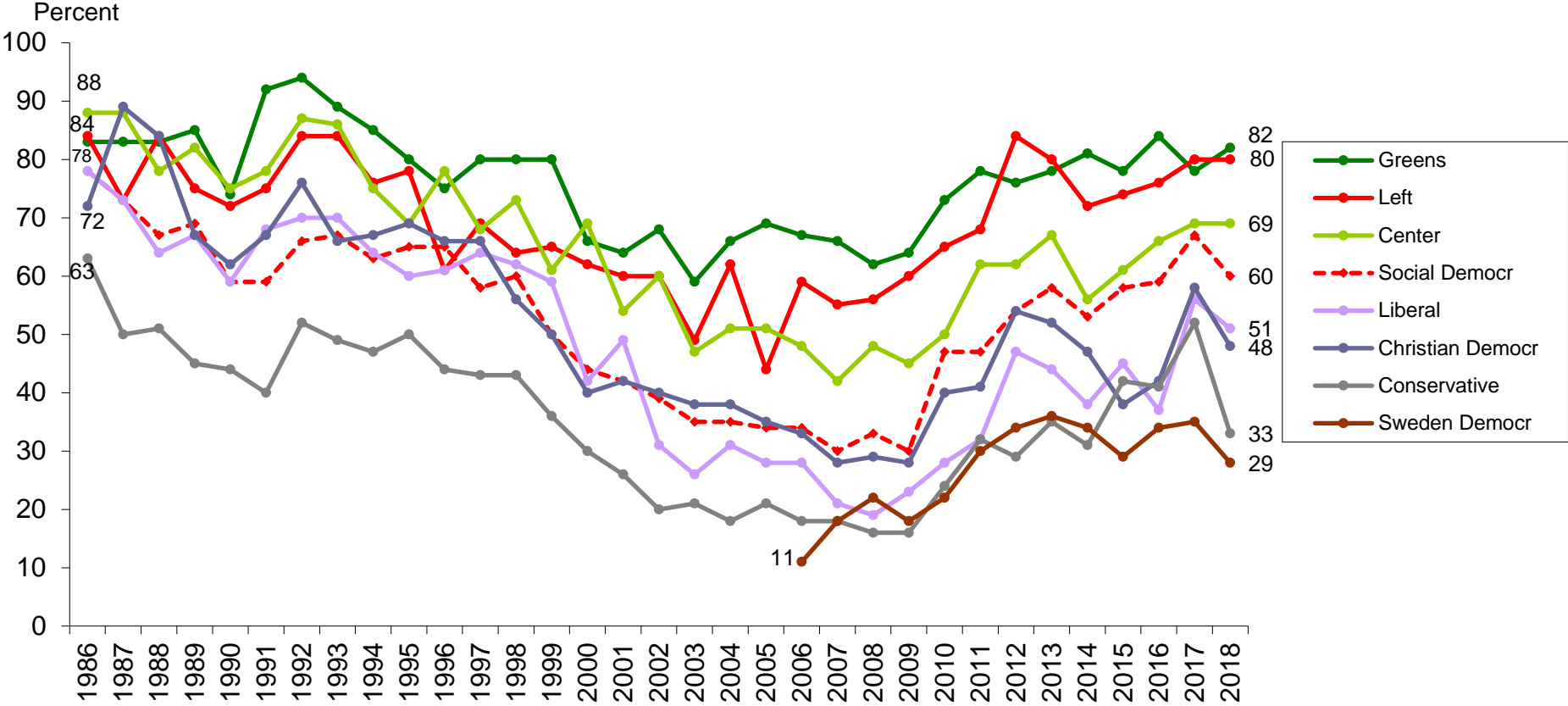


Data: The SOM Institute, University of Gothenburg; Annual nationwide surveys in Sweden.

Comment: All respondents are included in the percent calculations.

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

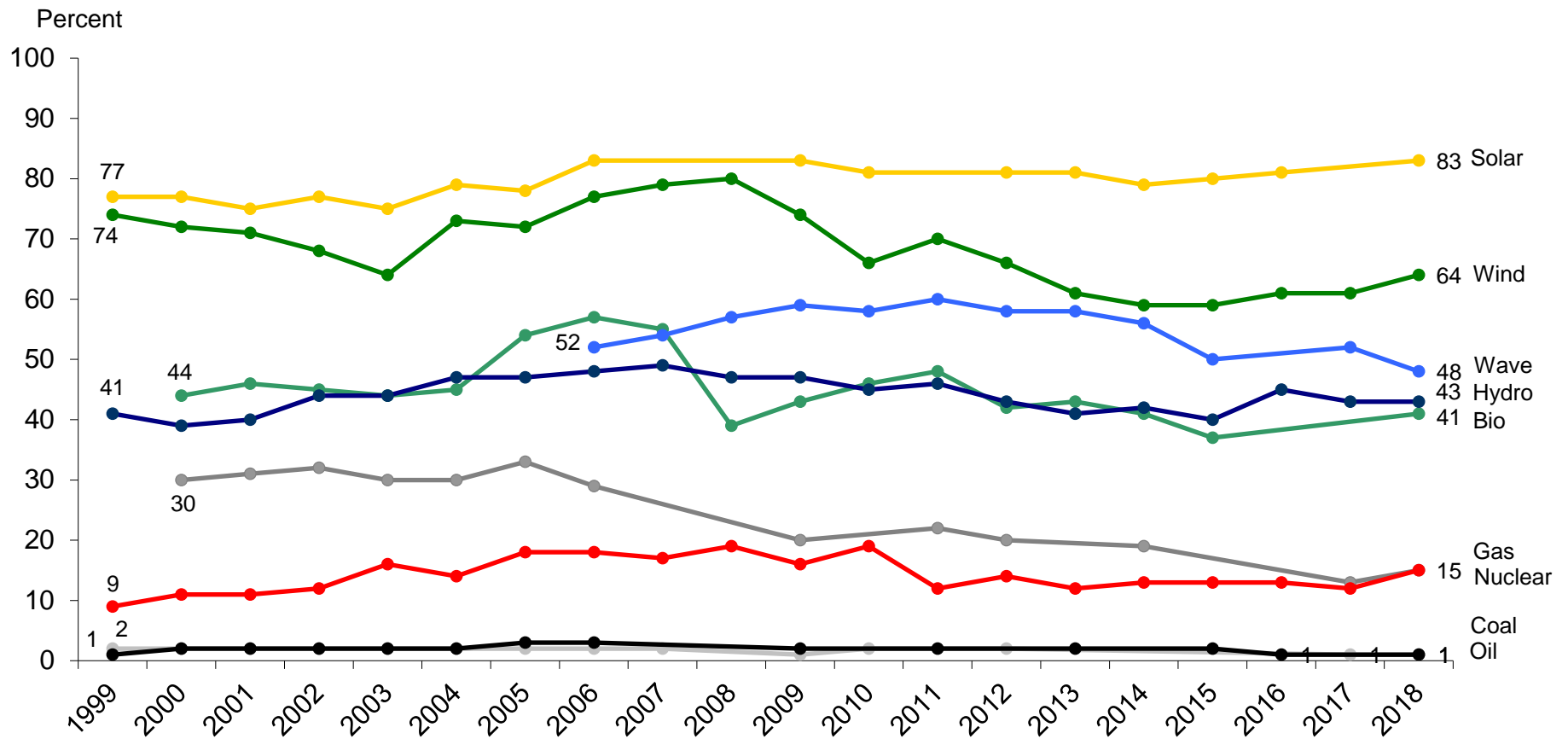


Data: The SOM Institute, University of Gothenburg; Annual nationwide surveys in Sweden.

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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Percent Swedes Who Think Sweden - More than Today - Should Go For Different Energy Sources

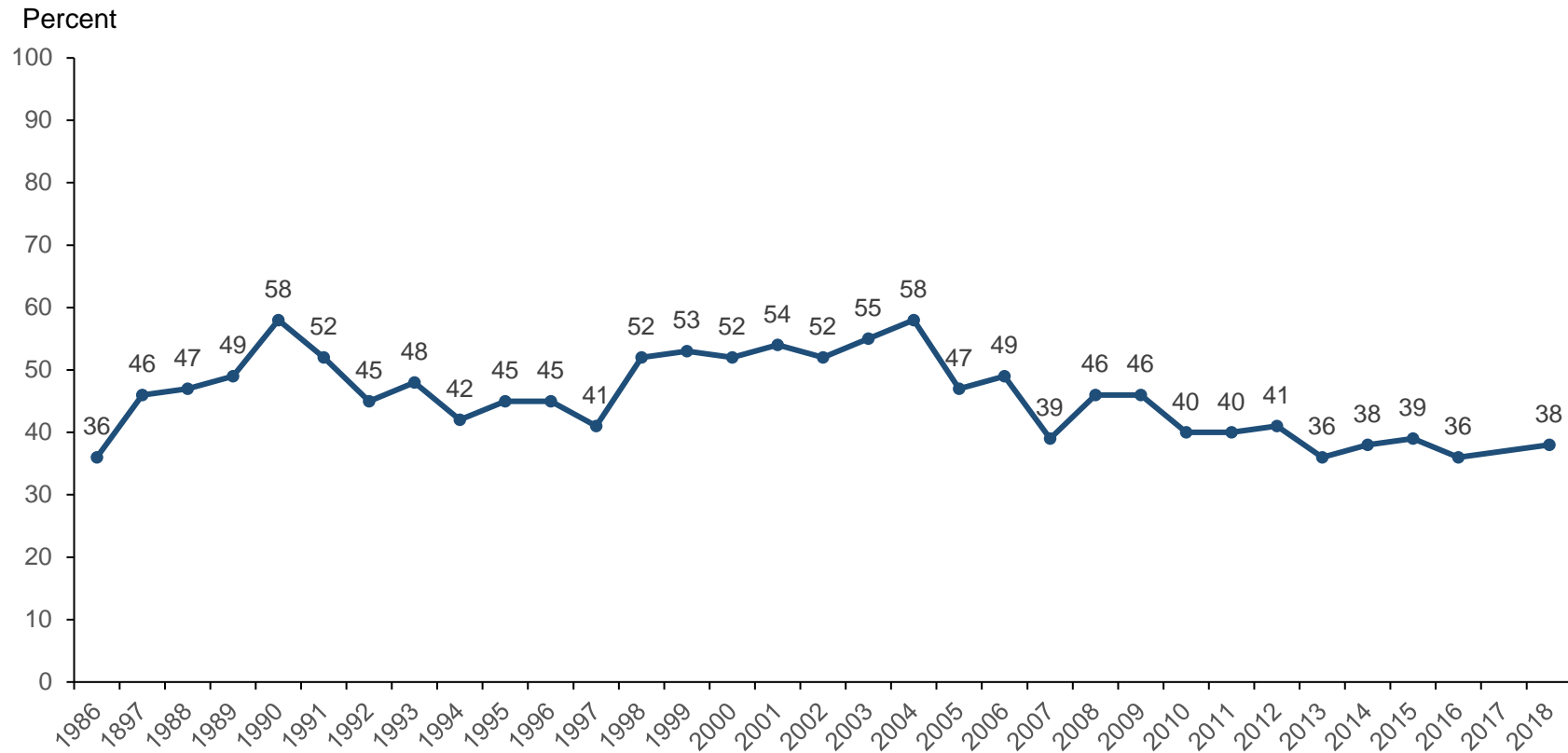


Data: The SOM Institute, University of Gothenburg; Annual nationwide surveys in Sweden.

Comment: See question H 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.

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Swedish Trust in Information about Energy and Nuclear Power from the Nuclear Power Industry

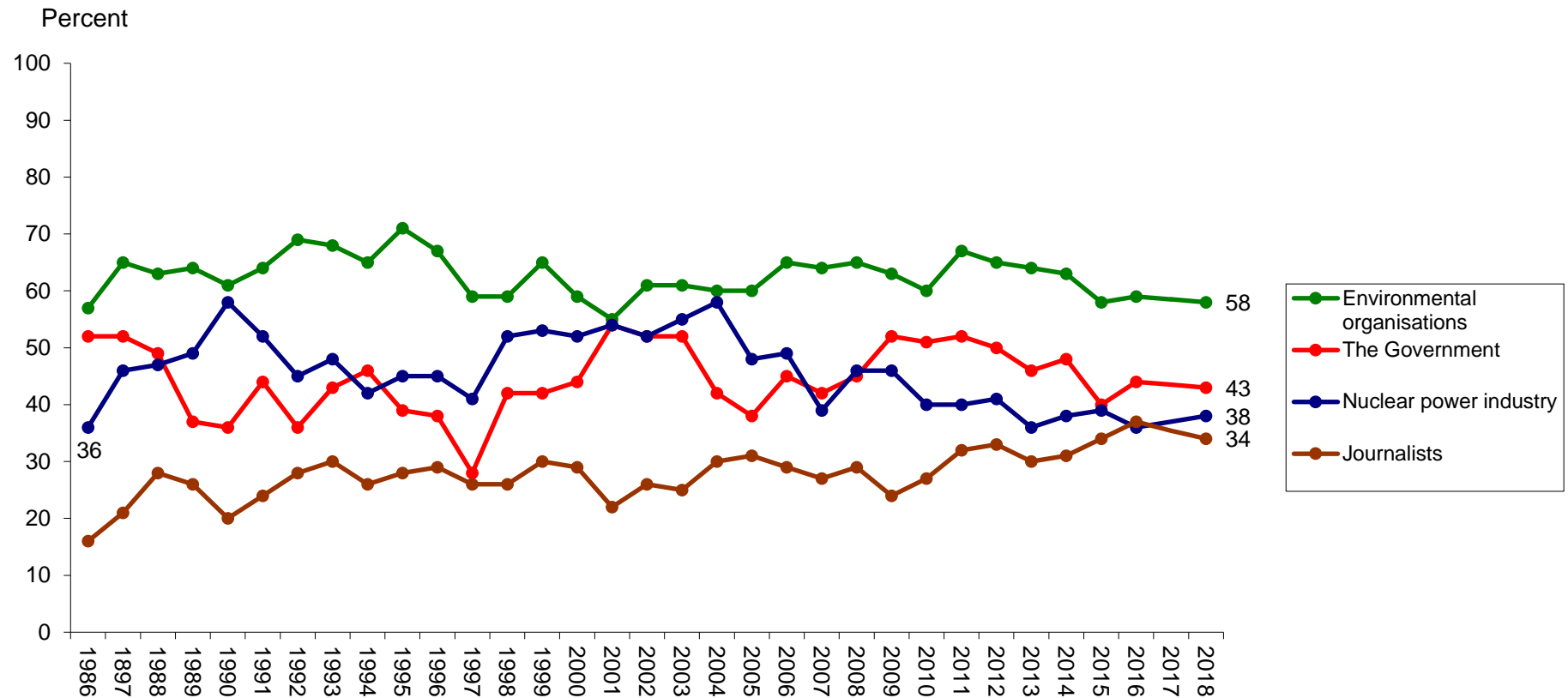


Data: The SOM Institute, University of Gothenburg; Annual nationwide surveys in Sweden.

Question: "To what extent do you trust information about energy and nuclear power provided by the following groups?" Four response alternatives: "very much; fairly much; fairly little; very little". The results show percent people answering very or fairly much when asked about the Nuclear Power Industry. The percentage base is defined as persons who answered the question. The question was not included in the SOM-study 2017.

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Swedish Trust in Information about Energy and Nuclear Power Provided by Different Groups



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

Question: "To what extent do you trust information about energy and nuclear power provided by the following groups?" Four response alternatives: "very much; fairly much; fairly little; very little". The results show percentage of people answering very or fairly much. The percentage base is defined as persons who answered the different trust questions. The question was not included in the SOM-study 2017.

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European Attitudes on Nuclear Power

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

	in favour		opposed		don't know	
	2005	2008	2005	2008	2005	2008
EU 25 / EU 27	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

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.

European Attitudes on Nuclear Power

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

	in favour		opposed		don't know	
	2005	2008	2005	2008	2005	2008
EU 25 / EU 27	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

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.

European Attitudes Towards the Future of Three Energy Sources

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)

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

Comment: The figures are percentages. *Source:* *Special Eurobarometer: Attitudes towards Energy 2006*; fieldwork October-November 2005. The interview question included two more response alternatives besides 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.

European Attitudes Towards the Future of Three Energy Sources

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)

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

Comment: The figures are percentages. *Source:* *Special Eurobarometer: Attitudes towards Energy 2006*; fieldwork October-November 2005. The interview question included two more response alternatives besides 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 was 55 percent and 25 percent, respectively.

European Attitudes Towards the Future of Three Energy Sources

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)

Solar Power		Solar Power	
EU 25	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

Comment: The figures are percentages. *Source:* *Special Eurobarometer: Attitudes towards Energy 2006*; fieldwork October-November 2005. The interview question included two more response alternatives besides 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
1986-2018

The Research Project
Energy Opinion in Sweden
Per Hedberg
March 2019

Swedish Opinion on Nuclear Power 1986-2018

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	1624	1625	1594	1535	1535	1520	1858	1827	1657	1716	1681	1678
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	1624	1673	1643	1578	1582	1520	1889	1857	1702	1777	1779	1764

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	1682	1649	1692	1587
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	1779	1754	1740	1703

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	1616	1625	1689	1746	1680
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	1704	1739	1777	1818	1774

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	1655	1591	3290	3180	4824	1584	1479
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	1724	1629	3435	3259	4926	1652	1531

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
Phase out nuclear power very soon	8	11	12	12	11	13	12	15	12
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
Use nuclear power and replace the present reactors with a maximum of 10 new reactors	28	25	26	24	26	22	20	17	18
Use nuclear power and build more reactors than the present 10 in the future	17	12	11	10	9	8	10	9	11
No opinion	15	17	12	13	15	17	16	14	18
Sum percent	100	100	100	100	100	100	100	100	100
Number of respondents	1608	1528	1464	1572	1658	1666	1605	1779	1752
Percent no answer	3	4	4	4	3	4	3	3	2
Number of respondents with no answer	45	69	60	72	51	73	45	48	45

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
Phase out nuclear power very soon	8	10	11	11	11	12	12	14	12
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
Use nuclear power and replace the present reactors with a maximum of 10 new reactors	27	24	25	23	25	22	19	17	17
Use nuclear power and build more reactors than the present 10 in the future	17	11	11	10	9	8	10	8	11
No opinion/no answer	17	21	16	17	17	20	19	17	20
Sum percent	100	100	100	100	100	100	100	100	100
Number of respondents	1653	1597	1524	1644	1709	1739	1650	1827	1797

Question F: 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	1562	1612	1567	1515	1512	1498	1821	1784	1641	1715	1687	--
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 F: 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	1624	1672	1643	1578	1582	1573	1889	1857	1702	1777	1779	--

Question G: Long term, Sweden should phase out nuclear power

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Very good proposal	23	22	23	20	18	15	15	14	16	18	17	20	20	21	19	23	20	21	21	25	22
Fairly good proposal	26	24	23	22	24	20	20	21	23	23	24	19	19	22	25	23	24	23	24	24	24
Neither good or bad	21	23	22	25	25	24	24	21	25	26	21	26	28	29	29	26	26	25	26	25	21
Fairly bad proposal	17	17	19	18	18	21	21	23	19	18	23	19	17	17	16	16	18	16	17	15	18
Very bad proposal	13	14	13	15	15	20	20	21	17	16	15	16	16	11	11	12	12	15	12	11	15
Sum percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Number of respondents	3446	3341	1748	3428	3396	3487	3398	1610	1541	1576	1540	1515	1587	1463	1459	3239	3284	1627	3049	3275	1725
Percent no answer	3	4	5	6	6	5	6	7	5	5	4	4	4	4	4	3	3	6	6	10	4
Number of respondents with no answer	115	70	94	210	210	188	214	114	88	90	58	67	65	68	65	111	116	112	192	380	72

Question G: Long term, Sweden should phase out nuclear power

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Very good proposal	22	21	22	19	17	14	14	13	15	17	16	19	20	20	18	23	19	20	19	22	21
Fairly good proposal	25	23	22	21	23	19	19	20	22	22	24	18	18	21	24	22	23	21	23	22	23
Neither good or bad	21	22	21	23	23	23	23	20	23	24	20	25	27	28	28	25	25	24	25	22	21
Fairly bad proposal	16	16	18	17	17	20	20	21	18	17	22	18	16	16	15	16	18	15	16	14	17
Very bad proposal	13	13	12	14	14	19	18	19	16	15	15	16	15	10	11	11	12	14	11	10	14
No answer	3	5	5	6	6	5	6	7	5	5	4	4	4	5	4	3	3	6	6	10	4
Sum percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Number of respondents	3561	3503	1842	3638	3606	3675	3612	1724	1629	1666	1598	1582	1652	1531	1524	3350	3398	1739	3241	3655	1797

Question H: 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
More than to-day	9	11	11	12	16	14	18	18	17	19	16	19	12	14	13	13	13	13	12	15
About as to-day	34	34	36	37	38	36	36	35	33	31	34	32	30	31	29	29	27	25	23	26
Less than to-day	26	30	29	29	24	27	24	25	28	26	26	27	29	30	29	29	28	27	30	27
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
No opinion	11	6	6	6	7	7	7	7	7	8	8	8	8	7	9	11	12	12	12	13
Sum percent	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
Percent no answer with no answer	7	8	6	9	6	8	5	5	6	5	4	5	7	6	6	6	8	7	7	5
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

Question H: 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
More than to-day	9	10	10	11	15	13	17	17	16	18	15	18	12	13	12	12	12	13	11	14
About as to-day	31	31	33	34	36	33	34	33	31	29	33	30	28	29	27	28	25	23	21	24
Less than to-day	25	28	27	26	23	25	23	24	26	25	25	25	27	29	27	27	26	25	28	26
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
No opinion/no answer	16	13	13	14	12	14	12	12	13	13	12	13	14	12	15	17	19	18	18	18
Sum percent	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

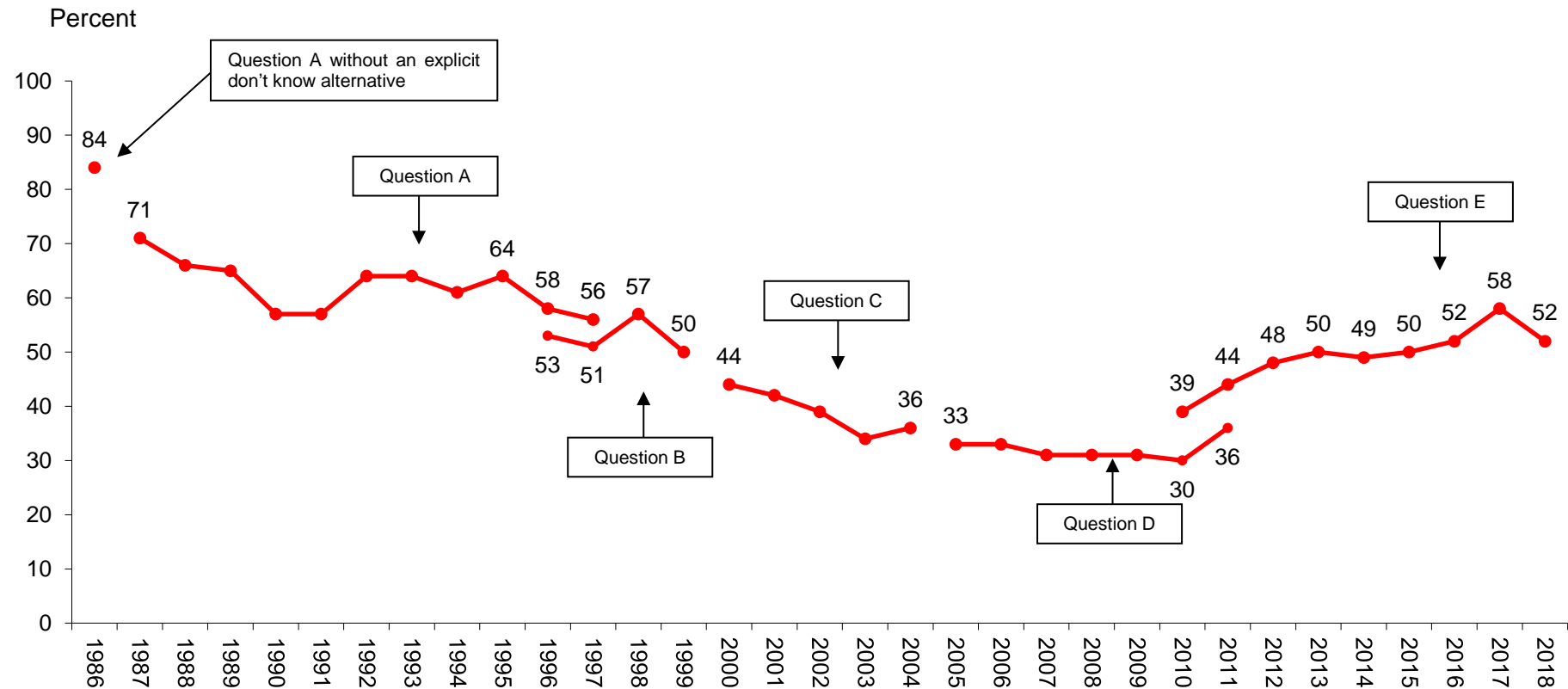
Question I: In general, which opinion do you have on the following energy sources? /Nuclear power/

	2012	2013	2014	2015	2016	2017	2018
Very positive	12	11	12	11	12	10	12
Fairly positive	22	21	19	19	18	17	19
Neither positive or negative	24	20	24	23	21	21	21
Fairly negative	20	22	21	19	20	23	20
Very negative	18	20	17	21	21	21	19
No opinion	4	6	7	7	8	8	9
Sum percent	100	100	100	100	100	100	100
Number of respondents	1452	1560	1634	1633	1575	1749	1741
Positive	34	32	31	30	30	27	31
Negative	38	42	38	40	41	44	39
Difference positive minus negative	-4	-10	-7	-10	-11	-17	-8
Percent no answer	5	5	4	6	5	4	3
Number of respondents with no answer	72	84	75	106	75	78	56

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

	2012	2013	2014	2015	2016	2017	2018
Very positive	11	10	11	11	11	10	11
Fairly positive	21	20	19	17	18	16	19
Neither positive or negative	22	19	23	22	20	20	20
Fairly negative	19	21	20	18	19	21	19
Very negative	18	19	16	19	20	21	19
No opinion/no answer	9	11	11	13	12	12	12
Sum percent	100	100	100	100	100	100	100
Number of respondents	1524	1644	1709	1739	1650	1827	1797
Positive	32	30	30	28	29	26	30
Negative	37	40	36	37	39	42	38
Difference positive minus negative	-5	-10	-6	-9	-10	-16	-8

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. 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, and in 2010-11 from question D to E. See Appendix.

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