

ONLINE APPENDIX
Political Conflict and Direct Democracy
Explaining Initiative Use 1920-2011*

Lucas Leemann[†]

October 7, 2015

[†]Lecturer for Quantitative Political Science, Department of Political Science, University College London, UK. Email: l.leemann@ucl.ac.uk URL: <http://www.lucasleemann.ch>.

A1: Change Point Model of Initiative Usage

A Bayesian change point model without explanatory variables reduces to estimating the parameter of a Poisson distribution. The first model, without any structural break, can be written as:

$$p(y = y_i | \lambda) = \frac{e^{-\lambda} \lambda^{y_i}}{y_i!} \quad (1)$$

The model assuming that there is one structural break is defined as follows:

$$p(y = y_i | \lambda_*) = \frac{e^{-\lambda_*} \lambda_*^{y_i}}{y_i!} \quad (2)$$

$$\lambda_* = \lambda_1 \quad i = 1, 2, 3, \dots, k \quad (3)$$

$$\lambda_* = \lambda_2 \quad i = k + 1, \dots, n \quad (4)$$

The parameter k is estimated and its prior is a discrete uniform distribution over the range 1 to n .¹ Like this, it is possible to define the other other models with two, three, and four structural breaks. After estimating the models and assuring convergence², the Bayes factor can be used to discriminate among the different factors. Table 1 shows the logarithm of the Bayes factor for each model comparison. Cell i, j shows the logarithm of Bayes factor for model i with respect to model j .

Table 1: Logarithm of Bayes Factor for Empty Models

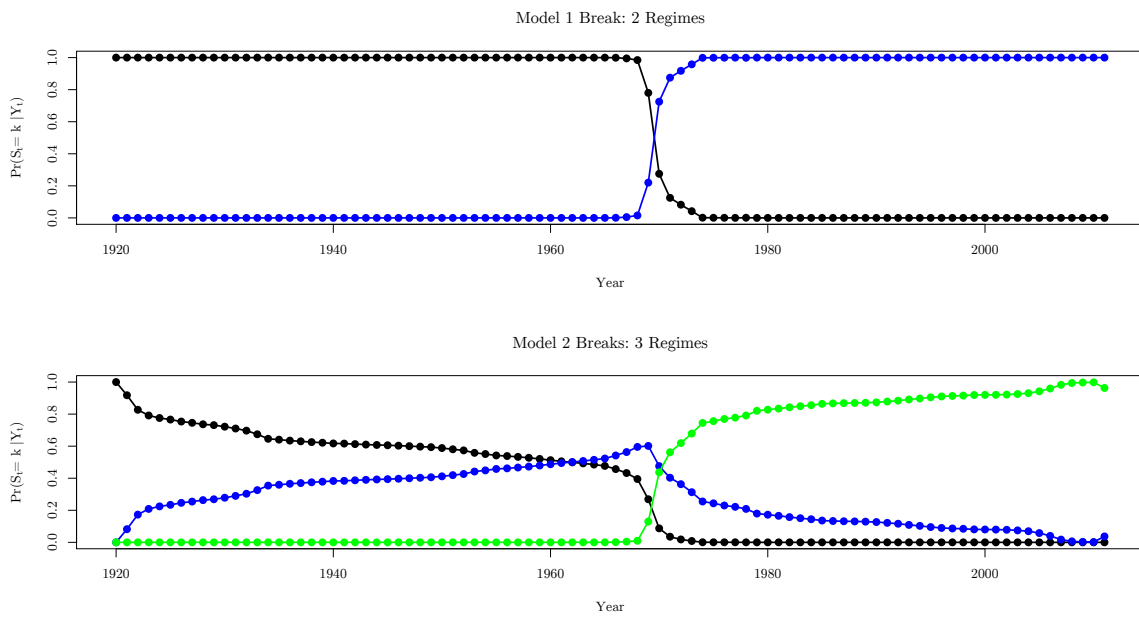
	No Break	One Break	Two Breaks	Three Breaks	Four Breaks
No Break	0.00	-34.85	-34.99	-32.91	-30.77
One Break	34.85	0.00	-0.14	1.94	4.08
Two Breaks	34.99	0.14	0.00	2.08	4.22
Three Breaks	32.91	-1.94	-2.08	0.00	2.14
Four Breaks	30.77	-4.08	-4.22	-2.14	0.00

The third line, corresponding to the model with two structural breaks, is preferred over all other presented models. Positive values indicate that a model is preferred over an alternative. While there is no general rule on what constitutes significance, it is possible to follow the recommendation proposed by Jeffreys (1998). The difference between the one-break and the two-break model is small. The difference to all other models is between *positive* and *very strong*. The model with two structural breaks provides us with three distinct periods. The model with one break (Figure 1) can be inspected. The less complex model, that with one break, has a slightly weaker fit with the data.

¹The prior for any λ_* follows a gamma distribution with hyper parameters α and β , The shape parameter, α , is set to $\frac{n}{5.10}$, whereas b is the number of periods and β is set to 0.1 (see Park (2010)).

²Burn-in and total number of iterations vary by model. All results are based on models which both pass the Heidelberg and the Geweke test for convergence for every single parameter (Jackman, 2009).

Figure 1: Estimating Different Regimes



A2: Robustness Checks

In Table 1 (main text), five different specifications of a negative binomial model are presented. One potential concern is that by counting all submitted initiatives (also those which eventually get pulled back) the outcome variable is inflated artificially. The reason for this could be that due to the number of laws passed by the legislature, the number of initiatives increases as they may be used to pressure the legislature. It is difficult to know ex post what the motivations were. One thing that can be done nevertheless is to exclude all submitted initiatives which were eventually not put on a ballot.

In Table 2, all five models are replicated based on this alternative measure of submitted initiatives. There are small differences between these results and those reported in the main text. First, in the replication of Model 6 the coefficient for `election_year` is not significantly different from zero. Second, the coefficient for `electoral_competition` almost doubles when we estimate the models with this alternative measure for the outcome. If there is any change in our results at all then it is that the correlation between electoral competition and initiative frequency appears to be stronger than in the original model. An additional test uses an alternative measure for electoral competition. Instead of relying on the cantonal vote return for national elections and summing up over all cantons, we can also just look at national totals. Unlike the other measure, this will just provide an overall picture and not display as much variation and change. At the same time there is no reason to expect that this measure would not be a proxy for electoral competition. Finally it may be somewhat closer to more standard measures of electoral volatility. Table 3 presents the replication of the five models.

Table 2: Alternative Measure of Outcome Variable

	Model 1	Model 2	Model 3	Model 4	Model 5
Electoral Competition	0.32*** (0.10)		0.23*** (0.09)	0.23*** (0.08)	0.23*** (0.08)
Signature Requirements		-0.62*** (0.10)	-0.57*** (0.10)	-0.57*** (0.10)	-0.57*** (0.10)
Election Year				0.32* (0.18)	0.39** (0.20)
Pre-Election Year					0.19 (0.21)
Constant	0.59*** (0.11)	0.47*** (0.10)	0.44*** (0.10)	0.35*** (0.11)	0.28** (0.14)
McFadden R-sq.	0.08	0.26	0.31	0.33	0.34
N	92	92	92	92	92
Likelihood-ratio	9.47	39.53	51.56	57.75	58.50
p	0.00	0.00	0.00	0.00	0.00

Standard errors in parentheses; * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$; Negative binomial model. All variables (except dummies) are standardized. $\ell\ell$ Test is likelihood ratio test.

Unlike in the main results presented in Table 1 (main text), there is no significant effect for the election or pre-election years. The coefficient for `electoral_competition` is over all five models about identical to what was estimated in main text. These two replications

Table 3: Alternative Measure of Electoral Competition

	Model 1	Model 2	Model 3	Model 4	Model 5
Electoral Competition (<i>national</i>)	0.28*** (0.09)		0.19*** (0.07)	0.19*** (0.07)	0.20*** (0.07)
Signature Requirements		-0.55*** (0.08)	-0.51*** (0.08)	-0.51*** (0.08)	-0.51*** (0.08)
Election Year				0.27* (0.16)	0.38** (0.17)
Pre-Election Year					0.29* (0.17)
Constant	1.05*** (0.09)	0.95*** (0.08)	0.93*** (0.08)	0.85*** (0.09)	0.74*** (0.11)
McFadden R-sq.	0.09	0.30	0.35	0.37	0.38
N	92	92	92	92	92
Likelihood-ratio	10.28	46.83	58.08	63.85	67.29
p	0.00	0.00	0.00	0.00	0.00

Standard errors in parentheses; * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$; Negative binomial model. All variables (except dummies) are standardized. $\ell\ell$ Test is likelihood ratio test.

illustrate that the strong and positive relationship between electoral competition and initiative frequency is robust over alternative model specifications, alternative measures of the explanatory variable, and also alternative measures of the outcome variable.

A3: Model with Lagged Values for Competition

Table 4: Lagged Competition

	Model 1	Model 2	Model 3	Model 4	Model 5
Constant	1.07*** (0.09)	0.91*** (0.09)	0.93*** (0.08)	0.84*** (0.10)	0.73*** (0.12)
Electoral Competition	0.44*** (0.10)		0.17* (0.10)	0.18* (0.10)	0.18* (0.10)
Signature Requirements		-0.61*** (0.09)	-0.51*** (0.10)	-0.51*** (0.10)	-0.51*** (0.10)
Election Year				0.31** (0.16)	0.41** (0.17)
Pre-Election Year					0.27 (0.18)
McFadden R^2	0.17	0.32	0.34	0.37	0.38
N	88	88	88	88	88
LR test	20.89	48.27	53.94	60.43	63.17
p	0.00	0.00	0.00	0.00	0.00

Standard errors in parentheses; * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$; Negative binomial model. All variables (except dummies) are standardized. $\ell\ell$ Test is likelihood ratio test.

A4: Bayesian Change Point Model for Parametrized Model

The following two equations describe the parametrized Poisson model with one break. The data matrix, \mathbf{x}_i , consists of three variables (being the *signature requirement*, *electoral competition*, and a dummy for *election years*) and a constant. For each period the coefficient vector, β_j , changes.

$$p(y = y_i | \lambda_{*i}) = \frac{e^{-\lambda_{*i}} \lambda_{*i}^{y_i}}{y_i!} \quad (5)$$

$$\lambda_{*i} = e^{(\mathbf{x}_i \beta_1)} \quad i = 1, 2, 3, \dots, k \quad (6)$$

$$\lambda_{*i} = e^{(\mathbf{x}_i \beta_2)} \quad i = k + 1, \dots, n \quad (7)$$

To ensure that the individual models have converged, the Heidelberg and the Geweke statistic were inspected. Burn-in and thinning was adapted until all models passed both tests [Jackman \(2009\)](#). [Table 5](#) presents the logarithm of the Bayes factor (lBf) where a positive lBf in row i and column j indicates that model i outperforms model j :

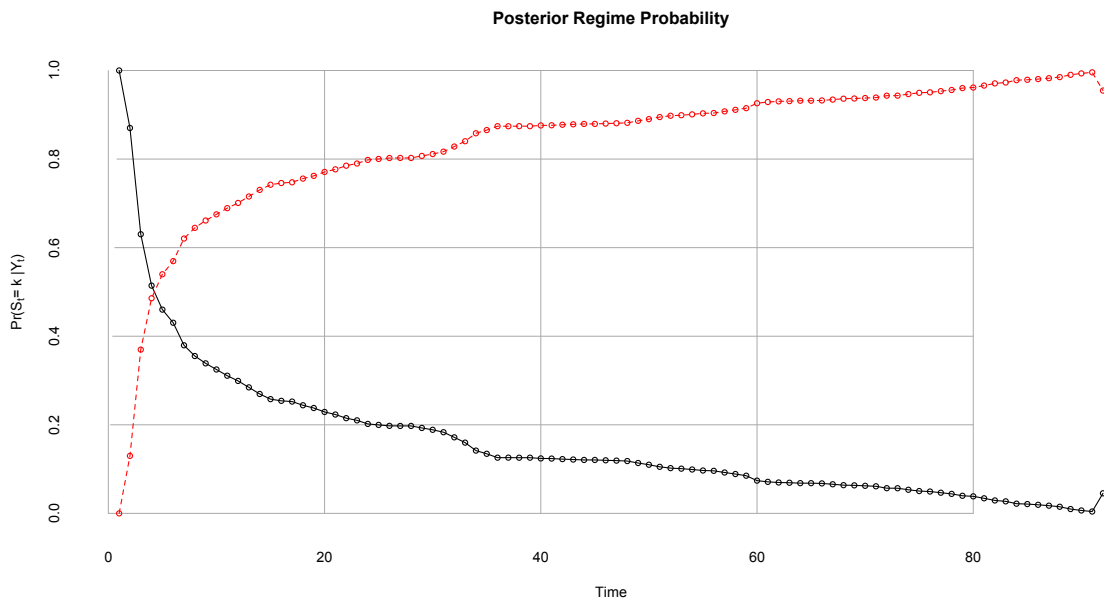
Table 5: Logarithm of Bayes Factor

	No Break	One Break	Two Breaks	Three Breaks	Four Breaks
No Break	0.00	-200.97	-3.39	2.14	3.03
One Break	200.97	0.00	197.57	203.10	204.00
Two Breaks	3.39	-197.57	0.00	5.53	6.42
Three Breaks	-2.14	-203.10	-5.53	0.00	0.89
Four Breaks	-3.03	-204.00	-6.42	-0.89	0.00

According to [Jeffreys \(1998\)](#), values between 2 and 5 indicate positive support, 5 to 10 strong support, and values larger than 10 very strong support for a model. The results are clear and show that – once we take into account that partisan competition varies and that initiatives are more frequent when there is a lower signature threshold – there is one structural break. The structural break is most likely in 1925 and not in the 1970s.³ The first couple of years in the 1920s there are unusually many initiatives, but after that the three variables explain over the entire period the number of submitted initiatives.

³Note, that the exact break point is itself an estimate and hence the structural break is most likely in 1925.

Figure 2: Probability of DGP being State 1 or State2



Notes: Structural break is around 1925 (five years after the start of the time series).

A5: Signature Requirements in the Swiss Cantons

In this section, I look at the occurrence of initiatives in the 26 cantons between 1990 and 2010. I use an elaborate dataset from [Vatter et al. \(2010\)](#).⁴ The outcome variable is the number of initiatives that have been voted on in every canton since 1990 and the explanatory factor is the average share of signatures required as percentage of vote-eligible population. The outcome variable is a count variable and hence I present not only results based on a linear regression model but also from a Poisson model, and a negative binomial model.

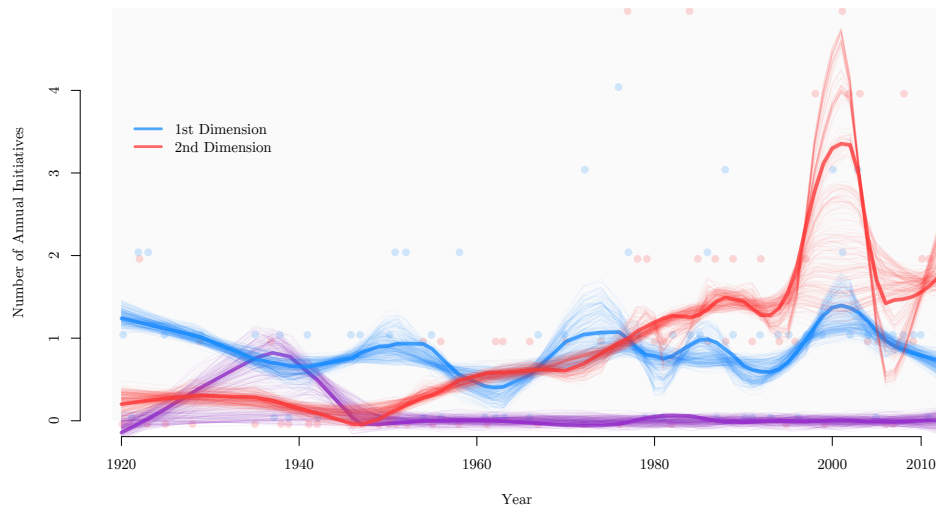
	Linear Regression	Poisson Regression	Negative binomial Model
Signature requirement	-9.61** (4.59)	-0.52*** (0.04)	-0.33** (0.13)
Constant	43.45*** (12.25)	4.03*** (0.07)	3.68*** (0.34)
R^2	0.15		
N	26	26	26
p	0.05	0.00	0.00
$\ell\ell$	-125.24	-292.16	-101.91
BIC	260.25	590.84	213.59

Regardless of the exact model specification the coefficient is negative and significantly different from 0 in all three models. Note, that the cantons with a citizen's assembly also know the initiative and only require one citizen to propose it. These results are partially in line with those presented in [Barankay et al. \(2003\)](#). Note, that they look at the years 1970-1996 while I look at the years 1990-2010.

⁴Many thanks to Marc Bühlmann who made this data available to me.

A6: Institutional Questions?

Figure 3: Primary, Secondary, and Institutional Conflict in National Initiatives 1920-2012



Notes: Over time development of 1st and 2nd dimension issues submitted as initiatives. Thin lines represent alternative weighted polynomial regression lines.

A7: Example of Bundesblatt Report

Sammlerfrist bis 28. Oktober 1993

**eidgenössische Volksinitiative
für eine Schweiz ohne neue Kampfflugzeuge***

Vorprüfung

Die Schweizerische Bundeskanzlei,
nach Prüfung der am 9. April 1992 eingereichten
Unterschriftenliste zu einer eidgenössischen Volksinitiative "für eine Schweiz ohne neue Kampfflugzeuge"
gestützt auf die Artikel 68 und 69 des Bundesgesetzes vom 17.
Dezember 1976¹ über die politischen Rechte,

verfügt:

- Die am 9. April 1992 eingereichte Unterschriftenliste zu einer eidgenössischen Volksinitiative "für eine Schweiz ohne neue Kampfflugzeuge" entspricht den gesetzlichen Formen: Sie enthält eine Subrik für Kanton und politische Gemeinde, in der die Unterschriften stimmberechtigt sind, sowie für das Datum der Veröffentlichung des Initiativtextes im Bundesblatt, ferner Titel und Wortlaut der Initiative, eine vorbehaltlose Rückzugsklausel, den Hinweis, dass sich sträfbar macht, wer das Ergebnis einer Unterschriftenammlung für eine Volksinitiative fälscht, sowie Namen und Adressen von mindestens sieben Urheberinnen und Urhebern der Initiative. Die Gültigkeit der Initiative wird erst nach ihrem Zustandekommen durch die Bundesversammlung geprüft.
- Folgende Urheberinnen und Urheber sind ermächtigt, die Volksinitiative vorbehaltlos mit einfacher Mehrheit zurückzuziehen:
 - Adrian Schmid, Sekretär MieterInnenverband, Grossestrasse 23, 6005 Luzern
 - Andreas Gross, Politikwissenschaftler, Nationalrat, Wasserstrasse 12, 8032 Zürich
 - Peter Sigerist, Redaktor, Kônigstrasse 33, 3008 Bern
 - Renate Schöch, Sekretärin SOSA, Heinrichstrasse 133, 8005 Zürich
 - Ursula Baumgartner, Journalistin, Lorraine 12a, 3400 Burgdorf
 - Ulrich Weidmann, Mathematiklehrer, Fröschenweg 2, 4127 Birsfelden

¹ SR 161.1

1992-224 1419

eidgenössische Volksinitiative

- Hanspeter Uster, Regierungsrat, Albisstrasse 13, 6340 Bear
- Eric Decarq, statisticien, 51 route de Frontenex, 1207 Genève
- Pia Hollenstein, Lehrerin für Krankpflege, Nationalistin, Borschastrasse 183b, 8000 St. Gallen
- Anton Berner, Journalist, Reptonstrasse 61, 8032 Zürich
- Rezo Lienhard, Sekretär, Schenngasse, 4800 Solingen
- Erika Paneth, Ofra-Sekretärin, Grossestrasse 1, 4005 Basel
- Michel Ducommun, enseignant, chemin des Muraillies 19, 1233 Steenove
- Markus Bischoff, Rechtsanwalt, Hardturmstrasse 308, 8005 Zürich
- Jean-Mills de Dardel, avocat, chemin de la montagne 110, 1224 Chêne-Bougeries
- Matteo Pronzini, Gewerkschaftssekretär, 4533 Laminio
- Marc Spescha, Rechtsanwalt, Luisenstrasse 35, 8005 Zürich
- Françoise Pitteloud, éducatrice, a. conseilillère nationale, rue du Vallon 10, 1005 Lausanne
- Marcia Carobbio, Artzin, 4533 Laminio
- Ruedi Lehmann, Gemeinderat, Laxerstrasse 16, 4552 Derendingen
- Gerard Koster, secrétaire syndical, chemin des Rosiers 5, 1004 Lausanne
- Christoph Baier, Heimleiter, Baumgartenweg 6, 4402 Frenkendorf
- Marco Feistmann, Student, Via al monti 79, 6600 Locarno.

Der Titel der eidgenössischen Volksinitiative "für eine Schweiz ohne neue Kampfflugzeuge" entspricht den gesetzlichen Erfordernissen von Artikel 69 Absatz 2 des Bundesgesetzes vom 17. Dezember 1976 über die politischen Rechte.

Mitteilung an das Initiativkomitee: Gruppe für eine Schweiz ohne Armeen (GSOA), Sekretariat: Postfach 103, 8031 Zürich, und Veröffentlichung im Bundesblatt vom 28. April 1992.

14. April 1992 SCHWEIZERISCHE BUNDESKANZLEI
Der Bundeskanzler:
F. Couchepin

1421

eidgenössische Volksinitiative

- Susanne Leutenegger Oberholzer, Ökonomin, d. Nationalistin, Partaliesen 30, 4123 Allschwil
- Odile Montavon, pharmacienne, rue des Romains 4, 2800 Delémont
- Michel Sauvain, Juriste, Bocages 1, 2800 Delémont
- Michael Wallner, Musiker, Wald, 2855 Bühler
- Luc Cilly, jardinier d'enfants, 19 rue des Paquis, 1201 Genève
- Paolo Gilardi, enseignant, rue Jacques Gresselin 6, 1227 Carouge
- Jean-Michel Dolivo, avocat, avenue Vinet 14, 1004 Lausanne
- Pierre-Yves Oppikofer, mécanicien, avenue Vinet 22, 1004 Lausanne
- Anrid Astolfi, Keramikerin, rue de Bâle 17, 1201 Genève
- Andreas Helisen, Umweltschutz/Stadtrat, Tormerweg 22, 3900 Brig
- Ruedi Wint, Gewerkschaftssekretär, Am Bach 2, 7015 Tamin
- Christian Herrin, Publizist, Dornacherstrasse 129, 4053 Basel
- Patrick Bachmann, Typograph, "Chamäleon", Eselsmattweg 205, 4123 Allschwil
- Tobias Schenbli, Operate, Via Seminario 3, 6900 Lugano
- Mathias Scheller, Schöler, Belleveueg 3, 2564 Bellmund
- Jürgen Schulz, Journalist, Richeleweg 51, 3058 Schliern
- Ronald Widemann, dipl. math., Schlitzstrasse 8, 4127 Birsfelden
- Leo Boos, Krankpfleger, Hardtstrasse 29, 8004 Zürich
- Markus Braun, Psychologe, rue de l'Hôpital 3, 1700 Erloug
- Walter Stalder, Korrektor, Amerbachstrasse 53, 4057 Basel
- Georg Lutz, Koch/Schüler, Polygonstrasse 65, 3014 Bern
- Josef Lang, Redaktor/Gemeinderat, Haldenstrasse 1, 6300 Zug
- Urs Ehrler, Bauarbeiter, Althofstrasse 44, 4142 Münchenstein
- Sascha Bachbinder, Student, Schwandenholstrasse 234, 8046 Zürich
- Marcel Hänggi, Student, Altmosenstrasse 62, 8157 Dielendorf
- Niklaus Lutz, Student, Polygonstrasse 65, 3014 Bern
- Hansruedi Trüb, Puppenregler, Semmlihen, 3030 Altwil
- Michael von Felton, EDV-Fachmann/Gemeinderat, Spelzerstrasse 74, 4600 Olten
- Federico Cabiani, Student, 4384 Pura
- Ursula Abt, Physiotherapeutin, Seminarstrasse 45, 8057 Zürich
- Christophe Barbey, écrivain, case postale 6, 1783 Corsagnes
- Cornelia Jane Zürcher, Sekretärin/Grossrätin, Falkensteinstrasse 50, 4053 Basel
- Daniel Hüni, technicien, 16 avenue Henri-Bunant, 1205 Genève

**eidgenössische Volksinitiative
"für eine Schweiz ohne neue Kampfflugzeuge"**

Die Volksinitiative lautet:

Die Uebergangsbestimmungen der Bundesverfassung werden wie folgt ergänzt:

Uebergangsbestimmungen Art. 20 (neu)
Der Bund beschafft bis zum Jahre 2000 keine neuen Kampfflugzeuge.
Als neu gelten Kampfflugzeuge, deren Beschaffung die Bundesversammlung zwischen dem 1. Juni 1992 und dem 31. Dezember 1999 beschliesst.

5376

1422

Notes: Initiative against new fighter aircrafts for the air force. This entry in the *Bundesblatt* announces that the Federal Chancellery has formally approved the initiative and the list of submitted signatures. It also reports the names of all members of the proposing committee. This is done because these members have the right to withdraw the initiative even after the necessary signatures have been collected.

1 Full Lists of all Initiatives Voted On

#	Offici. ID	Date	Title	Main Conflict	Origin	Outcome
1	82	3/21/1920	Citizen's initiative "Prohibition on the setting up of casinos"	1st dimension	Parties and/or Politicians	1
2	85	1/30/1921	Citizen's initiative "For the introduction of a referendum on treaties with unlimited duration or with a duration of more than 15 years" (Referendum on international treaties)	institutional question	Civil Society	0
3	86	1/30/1921	Citizen's initiative "Abolition of military courts"	institutional question	Parties and/or Politicians	0
4	89	6/11/1922	Citizen's initiative part I "Naturalisation"	2nd dimension	Parties and/or Politicians	0
5	90	6/11/1922	Citizen's initiative part II "Expulsion of foreigners"	2nd dimension	Parties and/or Politicians	0
6	91	6/11/1922	Citizen's initiative "Eligibility of civil servants for the National Council"	1st dimension	Civil Society	0
7	93	12/3/1922	Citizen's initiative "For a one-off capital tax"	1st dimension	Parties and/or Politicians	0
8	94	2/18/1923	Citizen's initiative "Preventive detention" (for Swiss citizens endangering internal security)	1st dimension	Civil Society	0
9	96	4/15/1923	Citizen's initiative "Maintaining and protecting the people's rights in customs matters"	1st dimension	Parties and/or Politicians	0
10	99	5/24/1925	Citizen's initiative "Disability old age- widows- and orphans insurance"	1st dimension	Parties and/or Politicians	0
11	106	12/2/1928	Citizen's initiative "Casinos"	1st dimension	Civil Society	1
12	107	3/3/1929	Citizen's initiative "Supply of cereals"	1st dimension	Civil Society	0
13	109	5/12/1929	Citizen's initiative "Legislative authority in the area of road traffic"	institutional question	Civil Society	0
14	110	5/12/1929	Citizen's initiative "Prohibition of spirits"	2nd dimension	Civil Society	0
15	121	6/2/1935	Citizen's initiative "Measures against the economic crisis"	1st dimension	Civil Society	0
16	122	9/8/1935	Citizen's initiative "Total revision of the Constitution"	institutional question	Civil Society	0
17	123	11/28/1937	Citizen's initiative "Prohibition of freemasonry"	2nd dimension	Civil Society	0
18	125	2/30/1938	Citizen's initiative "Emergency law and maintenance and protection of people's rights" (submission of emergency law to optional referendum)	institutional question	Parties and/or Politicians	0
19	126	2/20/1938	Citizen's initiative "Private arms industry"	1st dimension	Civil Society	0
20	129	1/22/1939	Citizen's initiative "Maintaining and protecting the constitutional rights of citizens" (extension of constitutional jurisdiction)	institutional question	Civil Society	0
21	134	3/9/1941	Citizen's initiative "Reform of liquor legislation"	1st dimension	Civil Society	0
22	135	1/25/1942	Citizen's initiative "Popular election of the Federal Council and increase in the number of members"	institutional question	Parties and/or Politicians	0
23	136	5/3/1942	Citizen's initiative "Reorganisation of the National Council"	institutional question	Parties and/or Politicians	0
24	141	12/8/1946	Citizen's initiative "Right to work"	1st dimension	Parties and/or Politicians	0
25	142	5/18/1947	Citizen's initiative "Economic reform and employment legislation"	1st dimension	Parties and/or Politicians	0
26	148	9/11/1949	Citizen's initiative "Return to direct democracy" (regulation on urgent affairs)	institutional question	Parties and/or Politicians	1
27	152	10/1/1950	Citizen's initiative "Protecting the land and work by preventing speculation"	1st dimension	Parties and/or Politicians	0
28	156	4/15/1951	Citizen's initiative "Guarantee of purchasing power and full employment"	1st dimension	Parties and/or Politicians	0
29	157	7/8/1951	Citizen's initiative "Taxation of public enterprises for the benefit of national defence"	1st dimension	Civil Society	0
30	160	4/20/1952	Citizen's initiative "Federal sales tax"	1st dimension	Parties and/or Politicians	0
31	161	5/18/1952	Citizen's initiative "Taxation of public enterprises for the benefit of national defence"	1st dimension	Parties and/or Politicians	0
32	173	12/5/1954	Citizen's initiative "Protection of rivers and the Rhineau bequest"	2nd dimension	Civil Society	0
33	174	3/13/1955	Citizen's initiative "Protection of consumers and tenants (continuation of price control)"	1st dimension	Civil Society	0
34	176	5/13/1956	Citizen's initiative "Distribution of concessions for the use of hydro-power"	2nd dimension	Civil Society	0
35	184	1/26/1958	Citizen's initiative "Against the misuse of economic power"	1st dimension	Parties and/or Politicians	0
36	188	10/26/1958	Citizen's initiative "Forty-four hour working week"	1st dimension	Parties and/or Politicians	0
37	197	10/22/1961	Citizen's initiative "Introduction of legislative initiative at the federal level"	institutional question	Parties and/or Politicians	0

to be continued on next page...

#	Offici. ID	Date	Title	Main Conflict	Origin	Outcome
38	199	4/1/1962	Citizen's initiative "Ban on nuclear weapons"	2nd dimension	Parties and/or Politicians	0
39	203	5/26/1963	Citizen's initiative "Right of Swiss citizens to decide whether the Swiss army should have nuclear weapons"	2nd dimension	Parties and/or Politicians	0
40	213	10/16/1966	Citizen's initiative "Fight against alcoholism"	2nd dimension	Parties and/or Politicians	0
41	214	7/2/1967	Citizen's initiative against land speculation	1st dimension	Parties and/or Politicians	0
42	220	6/7/1970	Citizen's initiative "Reduction of number of foreigners"	2nd dimension	Parties and/or Politicians	0
43	222	9/27/1970	Citizen's initiative for the right to housing and better protection of families	1st dimension	Civil Society	0
44	227	3/5/1972	Citizen's initiative "Promotion of housing construction"	1st dimension	Civil Society	0
45	231	9/24/1972	Citizen's initiative for increased control of arms industry and prohibition of arms exports	1st dimension	Civil Society	0
46	232	12/3/1972	Citizen's initiative for a real old age and sickness pension and amendment to the Federal Constitution on disability old age- widows- and orphans insurance	1st dimension	Parties and/or Politicians	0
47	242	10/20/1974	Citizen's initiative "Reduction in number of foreigners"	2nd dimension	Parties and/or Politicians	0
48	245	12/8/1974	Citizen's initiative for better health insurance and a revision of the Constitution in regard to health insurance accidents and maternity	1st dimension	Parties and/or Politicians	0
49	255	3/21/1976	Citizen's initiative "For workers' participation in decision-making"	1st dimension	Civil Society	0
50	256	3/21/1976	Citizen's initiative "Reform of taxes (fairer taxes and abolition of tax privileges)"	1st dimension	Parties and/or Politicians	0
51	261	9/26/1976	Citizen's initiative "Compulsory third-party insurance for motor vehicles and bicycles"	1st dimension	Civil Society	0
52	264	12/5/1976	Citizen's initiative "Reduction of the working week to forty hours"	1st dimension	Parties and/or Politicians	0
53	265	3/13/1977	Citizen's initiative "Reduction of number of foreigners (No. 4)"	2nd dimension	Parties and/or Politicians	0
54	266	3/13/1977	Citizen's initiative "Restriction of naturalisation of foreigners"	2nd dimension	Parties and/or Politicians	0
55	267	3/13/1977	Citizen's initiative "Reorganisation of referendum on international treaties"	2nd dimension	Parties and/or Politicians	0
56	270	9/25/1977	Citizen's initiative "For effective protection of tenants"	1st dimension	Civil Society	0
57	271	9/25/1977	Citizen's initiative "Against air pollution from motor vehicles (Albatross initiative)"	2nd dimension	Civil Society	0
58	274	9/25/1977	Citizen's initiative "Decriminalising abortion"	2nd dimension	Parties and/or Politicians	0
59	275	12/4/1977	Citizen's initiative "Higher taxes on big incomes"	1st dimension	Parties and/or Politicians	0
60	279	2/26/1978	Citizen's initiative "Enhancing parliamentary and popular participation in decision-making on matters of highway construction"	2nd dimension	Civil Society	0
61	281	2/26/1978	Citizen's initiative "On lowering retirement age"	1st dimension	Parties and/or Politicians	0
62	287	5/28/1978	Citizen's initiative "Twelve Sundays a year without motor traffic"	2nd dimension	Civil Society	0
63	295	2/18/1979	Citizen's initiative "Ban liquor and tobacco advertising"	2nd dimension	Civil Society	0
64	296	2/18/1979	Citizen's initiative "Maintaining and protecting the people's rights and security when building and operating nuclear plants"	2nd dimension	Parties and/or Politicians	0
65	299	3/2/1980	Citizen's initiative "Complete separation of church and state"	2nd dimension	Parties and/or Politicians	0
66	305	4/5/1981	Citizen's initiative "New friendlier policy towards foreign residents"	2nd dimension	Parties and/or Politicians	0
67	311	11/28/1982	Citizen's initiative "Prevention of false pricing"	1st dimension	Civil Society	1
68	318	2/26/1984	Citizen's initiative "For a genuine community service based on actual evidence of social engagement"	2nd dimension	Civil Society	0
69	319	5/20/1984	Citizen's initiative "Against abuse of banking secrecy and banking power"	1st dimension	Parties and/or Politicians	0
70	320	5/20/1984	Citizen's initiative "Against the selling of land to foreigners"	2nd dimension	Parties and/or Politicians	0
71	321	9/23/1984	Citizen's initiative "For a future without new nuclear power plants"	2nd dimension	Civil Society	0
72	322	9/23/1984	Citizen's initiative "For a safe economic and environmentally friendly energy policy"	2nd dimension	Civil Society	0
73	323	12/2/1984	Citizen's initiative "Effective protection of motherhood"	2nd dimension	Parties and/or Politicians	0
74	329	5/10/1985	Citizen's initiative "Lengthening paid holidays"	1st dimension	Parties and/or Politicians	0
75	330	6/9/1985	Citizen's initiative "Right to life"	2nd dimension	Parties and/or Politicians	0
76	337	12/1/1985	Citizen's initiative "Abolition of vivisection"	2nd dimension	Civil Society	0
77	339	9/28/1986	Citizen's initiative "Culture initiative"	1st dimension	Civil Society	0
78	340	9/28/1986	Citizen's initiative for guaranteed vocational training and retraining	1st dimension	Parties and/or Politicians	0
79	343	12/17/1986	Citizen's initiative "Fair taxation of heavy trucks"	2nd dimension	Parties and/or Politicians	0
80	346	4/5/1987	Citizen's initiative "Right to referendum on all military expenditure (arms referendum)"	2nd dimension	Parties and/or Politicians	0
81	350	12/16/1987	Citizen's initiative for the protection of moonland (Rothenthurm initiative)	2nd dimension	Parties and/or Politicians	0
82	352	6/12/1988	Citizen's initiative on lowering retirement age to 62 years for men and 60 years for women	2nd dimension	Parties and/or Politicians	0
83	353	12/4/1988	Citizen's initiative "Town and country initiative against land speculation"	1st dimension	Parties and/or Politicians	0
84	354	12/4/1988	Citizen's initiative "Reduction of working hours"	1st dimension	Parties and/or Politicians	0
85	355	12/4/1988	Citizen's initiative on immigration restrictions	1st dimension	Parties and/or Politicians	0
86	356	6/4/1989	Citizen's initiative for ecological farming - against animal factories (small farmers initiative)	2nd dimension	Civil Society	0
87	357	11/26/1989	Citizen's initiative for abolition of the Swiss army and a comprehensive policy for peace	2nd dimension	Civil Society	0
88	358	11/26/1989	Citizen's initiative for speed limits of 130 and 100 kph	2nd dimension	Civil Society	0
89	359	4/1/1990	Citizen's initiative "No more concrete - restriction on new road building"	2nd dimension	Parties and/or Politicians	0
90	360	4/1/1990	Citizen's initiative for a motorway-free zone between Murten and Yverdon	2nd dimension	Civil Society	0

to be continued on next page...

#	Offici. ID	Date	Title	Main Conflict	Origin	Outcome
91	361	4/1/1990	Citizen's initiative for a motorway-free district of Knonau	2nd dimension	Civil Society	0
92	362	4/1/1990	Citizen's initiative for a motorway-free zone between Biel and Solothurn/Zuchwil	2nd dimension	Civil Society	0
93	365	9/23/1990	Citizen's initiative "Stop using nuclear power"	2nd dimension	Parties and/or Politicians	0
94	366	9/23/1990	Citizen's initiative "Moratorium on nuclear power station construction"	2nd dimension	Parties and/or Politicians	1
95	370	3/3/1991	Citizen's initiative on promotion of public transport	2nd dimension	Parties and/or Politicians	0
96	373	2/16/1992	Citizen's initiative for affordable health insurance	1st dimension	Civil Society	0
97	374	2/16/1992	Citizen's initiative for a gradual but drastic reduction in animal experiments "An end to animal experimentation!"	2nd dimension	Civil Society	0
98	378	5/17/1992	Citizen's initiative "Save our lakes and rivers"	2nd dimension	Parties and/or Politicians	0
99	391	3/7/1993	Citizen's initiative to abolish experimentation on animals	2nd dimension	Civil Society	0
100	392	6/6/1993	Citizen's initiative "40 army training camps are enough - protection of the environment within the military as well"	2nd dimension	Parties and/or Politicians	0
101	393	6/6/1993	Citizen's initiative for a Switzerland without any new fighter planes	2nd dimension	Parties and/or Politicians	0
102	396	9/26/1993	Citizen's initiative for a work-free federal holiday on 1 August (1 August initiative)	2nd dimension	Parties and/or Politicians	1
103	403	11/28/1993	Citizen's initiative to reduce the problems caused by alcohol	2nd dimension	Civil Society	0
104	404	11/28/1993	Citizen's initiative to reduce the problems caused by tobacco	2nd dimension	Civil Society	0
105	408	2/20/1994	Citizen's initiative to protect the alpine regions from transit traffic	2nd dimension	Parties and/or Politicians	1
106	416	12/4/1994	Citizen's initiative "For sound health insurance"	1st dimension	Parties and/or Politicians	0
107	423	6/25/1995	Citizen's initiative "To expand the state old age- widows- orphans- and disability insurance"	1st dimension	Parties and/or Politicians	0
108	432	12/1/1996	Citizen's initiative "Against illegal immigration"	2nd dimension	Parties and/or Politicians	0
109	434	6/8/1997	Citizen's initiative "Negotiations on joining the EU: let the people decide!"	2nd dimension	Parties and/or Politicians	0
110	435	6/8/1997	Citizen's initiative "For a prohibition on the export of materials of war"	1st dimension	Parties and/or Politicians	0
111	438	9/28/1997	Citizen's initiative "Youth without drugs"	2nd dimension	Parties and/or Politicians	0
112	440	6/7/1998	Citizen's initiative "To protect life and the environment from genetic manipulation (gene protection initiative)"	2nd dimension	Parties and/or Politicians	0
113	441	6/7/1998	Citizen's initiative "Switzerland without police snooping"	2nd dimension	Parties and/or Politicians	0
114	443	9/27/1998	Citizen's initiative "For inexpensive foodstuffs and ecological farming"	2nd dimension	Parties and/or Politicians	0
115	444	9/27/1998	Citizen's initiative "For the 10th revision of old age insurance without raising the retirement age"	1st dimension	Parties and/or Politicians	0
116	447	11/29/1998	Citizen's initiative "For a sensible drugs policy"	2nd dimension	Parties and/or Politicians	0
117	451	2/7/1999	Citizen's initiative "Home-ownership for all"	1st dimension	Parties and/or Politicians	0
118	460	3/12/2000	Citizen's initiative "For speeding up direct democracy (processing times for citizen's initiatives in the form of a specific draft)"	institutional question	Civil Society	0
119	461	3/12/2000	Citizen's initiative "For a fair representation of women in the Federal authorities (initiative of 3 March)"	2nd dimension	Civil Society	0
120	462	3/12/2000	Citizen's initiative "For the protection of people against manipulations in reproductive technology (initiative for humane reproduction)"	2nd dimension	Parties and/or Politicians	0
121	463	3/12/2000	Citizen's initiative "To halve motorised road traffic for the preservation and improvement of living space (traffic-halving initiative)"	2nd dimension	Civil Society	0
122	465	9/24/2000	Citizen's initiative "For 'solarappen' (solar initiative)"	2nd dimension	Parties and/or Politicians	0
123	467	9/24/2000	Citizen's initiative "For the regulation of immigration"	2nd dimension	Parties and/or Politicians	0
124	468	9/24/2000	Citizen's initiative "Increased citizens rights through referendums with counter-proposals (constructive referendum)"	institutional question	Parties and/or Politicians	0
125	469	11/26/2000	Citizen's initiative "For a more flexible old age- widows- and orphans insurance - against raising the retirement age for women"	1st dimension	Parties and/or Politicians	0
126	470	11/26/2000	Citizen's initiative "For a flexible retirement age for men and women from 62 upwards"	1st dimension	Parties and/or Politicians	0
127	471	11/26/2000	Citizen's initiative "Saving on army and defence spending - for more peace and forward-looking jobs (redistribution initiative)"	2nd dimension	Parties and/or Politicians	0
128	472	11/26/2000	Citizen's initiative "For lower hospital costs"	1st dimension	Civil Society	0
129	474	3/4/2001	Citizen's initiative "Yes to Europe"	2nd dimension	Civil Society	0
130	475	3/4/2001	Citizen's initiative "For lower-priced medicines"	1st dimension	Civil Society	0
131	476	3/4/2001	Citizen's initiative "For greater traffic safety based on a speed limit of 30 kph in built-up areas with exceptions (roads for everyone)"	2nd dimension	Parties and/or Politicians	0
132	481	12/2/2001	Citizen's initiative "For a guaranteed old age- widows- and orphans insurance - impose a tax on energy not work!"	2nd dimension	Parties and/or Politicians	0
133	482	12/2/2001	Citizen's initiative "For a credible security policy and a Switzerland without an army"	2nd dimension	Civil Society	0
134	483	12/2/2001	Citizen's initiative "Solidarity creates security: for a voluntary civilian peace service (CPS)"	2nd dimension	Civil Society	0
135	484	12/2/2001	Citizen's initiative "For a capital gains tax"	1st dimension	Parties and/or Politicians	0

to be continued on next page...

#	Official ID	Date Vote	Title	Main Conflict	Origin	Outcome
136	485	3/3/2002	Citizen's initiative "For Switzerland's membership to the UN"	2nd dimension	Parties and/or Politicians	1
137	486	3/3/2002	Citizen's initiative "For a shorter working week"	1st dimension	Civil Society	0
138	488	6/2/2002	Citizen's initiative "For mother and child - protection of the unborn child and assistance for mothers in need"	2nd dimension	Civil Society	0
139	489	9/22/2002	Citizen's initiative "Surplus gold reserves for the old age- widows- and orphans insurance fund (gold initiative)"	2nd dimension	Parties and/or Politicians	0
140	491	11/24/2002	Citizen's initiative "Against the abuse of asylum law"	2nd dimension	Parties and/or Politicians	1
141	497	5/18/2003	Citizen's initiative "Yes to fair rents for tenants"	1st dimension	Parties and/or Politicians	0
142	498	5/18/2003	Citizen's initiative "For one car-free Sunday per season - a four-year trial (Sunday initiative)"	2nd dimension	Civil Society	0
143	499	5/18/2003	Citizen's initiative "Healthcare must be affordable (health initiative)"	1st dimension	Parties and/or Politicians	0
144	500	5/18/2003	Citizen's initiative "Equal rights for the disabled"	2nd dimension	Civil Society	0
145	501	5/18/2003	Citizen's initiative "Non-nuclear energy - for a change in energy policy and the gradual decommissioning of nuclear power plants"	2nd dimension	Parties and/or Politicians	0
146	502	5/18/2003	Citizen's initiative "Moratorium Plus - for an extension to the moratorium on nuclear power plant construction and a limitation to the nuclear risk"	2nd dimension	Parties and/or Politicians	0
147	503	5/18/2003	Citizen's initiative "For adequate vocational training (apprenticeship initiative)"	1st dimension	Civil Society	0
148	506	2/8/2004	Citizen's initiative "Lifelong detention for perpetrators of sexual or violent crimes who are judged to be highly dangerous and unable to be rehabilitated"	2nd dimension	Civil Society	1
149	512	9/26/2004	Citizen's initiative "Postal services for all"	1st dimension	Parties and/or Politicians	0
150	520	11/27/2005	Citizen's initiative "For food grown without genetic modification"	2nd dimension	Parties and/or Politicians	1
151	523	9/24/2006	Citizen's initiative "Profits from the National Bank for the old age- widows- and orphans insurance fund"	1st dimension	Parties and/or Politicians	0
152	528	3/11/2007	Citizen's initiative "For a social united health insurance"	1st dimension	Civil Society	0
153	530	2/24/2008	Citizen's initiative "Against the noise of fighter jets in tourist areas"	2nd dimension	Civil Society	0
154	532	6/1/2008	Citizen's initiative "For democratic naturalisations"	2nd dimension	Parties and/or Politicians	0
155	533	6/1/2008	Citizen's initiative "Popular sovereignty instead of government propaganda"	institutional question	Civil Society	0
156	535	11/30/2008	Citizen's initiative "For no statute of limitation for pornographic crimes against children"	2nd dimension	Civil Society	1
157	536	11/30/2008	Citizen's initiative "For a flexible retiring age under the AVS (Old Age Insurance)"	1st dimension	Civil Society	0
158	537	11/30/2008	Citizen's initiative "An organisation's right to appeal: enough obstructionism - more growth for Switzerland!"	institutional question	Parties and/or Politicians	0
159	538	11/30/2008	Citizen's initiative "For a reasonable marijuana policy and effective protection of youth"	2nd dimension	Parties and/or Politicians	0
160	543	11/29/2009	Citizen's initiative "Against the construction of minarets"	2nd dimension	Parties and/or Politicians	1
161	544	11/29/2009	Citizen's initiative "For the prohibition of the export of munitions"	1st dimension	Civil Society	0
162	549	3/7/2010	Citizen's initiative "against the cruelty of animals and for better legal protection of animals"	2nd dimension	Civil Society	0
163	552	11/28/2010	Citizens initiative "for the expulsion of criminal foreigners" (expulsion initiative)	2nd dimension	Parties and/or Politicians	1
164	553	11/28/2010	Citizens initiative "for equitable taxes"	1st dimension	Parties and/or Politicians	0
165	554	2/13/2011	Initiative "Protection from gun violence"	2nd dimension	Parties and/or Politicians	0
166	556	3/11/2012	Citizen's Initiative "For fiscal incentives for first private residential property acquisition and for tax incentives for energy-saving and environmental impact limitation for residences"	2nd dimension	Parties and/or Politicians	0
167	557	11/3/2012	Citizen's Initiative "6 weeks holidays for all"	1st dimension	Civil Society	0
168	560	17/6/2012	Citizens' initiative "Own four walls thanks to building savings"	1st dimension	Parties and/or Politicians	0
169	561	11/3/2012	Citizens' initiative "For strengthening the popular rights on foreign policy (submittal of state treaties to the people!)"	2nd dimension	Parties and/or Politicians	0
170	564	23/9/2012	Citizens' initiative "Safe housing for the elderly"	1st dimension	Parties and/or Politicians	0
171	565	23/9/2012	Citizens' initiative "Protection from exposure to tobacco smoke"	2nd dimension	Parties and/or Politicians	0
172	568	3/3/2013	Citizens' initiative against «fat-cat pay» (to curb senior managers' pay)	1st dimension	Civil Society	1
173	575	24/11/2013	Citizens' initiative "1:12 - for fair wages"	1st dimension	Parties and/or Politicians	0
174	570	9/6/2013	Citizens' Initiative "Popular election of the federal government"	institutional question	Parties and/or Politicians	0
175	572	22/9/2013	Citizens' initiative "Yes to the abolition of compulsory military service"	2nd dimension	Parties and/or Politicians	0
176	576	24/11/2013	Citizens' initiative "Family initiative: tax deductions for parents who raise their children by themselves too"	2nd dimension	Parties and/or Politicians	0

References

- Barankay, Iwan, Pascal Sciarini, and Alexander H Trechsel. 2003. "Institutional openness and the use of referendums and popular initiatives: Evidence from Swiss cantons." *Swiss Political Science Review* 9(1): 169–199.
- Jackman, Simon. 2009. *Bayesian Analysis for the Social Sciences*. Wiley.
- Jeffreys, Harold. 1998. *The Theory of Probability*. Oxford University Press.
- Park, Jong Hee. 2010. "Structural change in US presidents' use of force." *American Journal of Political Science* 54(3): 766–782.
- Vatter, Adrian, Marc Bühlmann, Hans-Peter Schaub, and Oliver Dlabac. 2010. *Datensatz zum Nationalfondprojekt Demokratiequalität in den Schweizer Kantonen*. Unpublished data, received upon request, University of Bern.