**Supplementary Materials**

**Additional descriptive statistics and data**

Table S1 provides a list of the multiple PRRPs across the countries and waves in our analysis. Tables S2 to S5 show the values for immigration, GDP, inequalities, and unemployment. Table S6 shows the zero-order correlations between the key variables in our study.

**Additional robustness checks**

To confirm the robustness of our findings, we estimated our main model (Model 1) with additional control variables at the country level. These variables are government stability, inflation – an alternative measure to capture strained economic conditions – and migrant integration policies. Government stability data was based on the International Country Risk Guide ratings (International Country Risk Guide, 2019). These data indicated each government’s ability to carry out its program and to stay in office and included the sum of three subcomponents: government unity, legislative strength, and popular support. A higher score on this measure indicated lower risk of government instability. Levels of inflation were extracted from the World Bank data repository. We used the Migrant Integration Policy Index (MIPEX; The Migrant Integration Policy Index, 2019) as an indicator of policies that foster the integration of immigrants; MIPEX draws on 167 indicators that assess policies ensuring immigrants’ equal rights. Given that MIPEX data is available only for a limited number of countries and years, we estimated one model controlling for all additional controls but the MIPEX and a second model, including all controls and MIPEX. With this approach we preserved the sample of the main analysis when MIPEX was not included but also provided additional results with a smaller sample but controlling for migrant integration policies. Results replicate the positive association between a recent increase in the size of the immigrant population and PRRP votes (see Table S7). Moreover, lower government stability, higher levels of inflation, as well as a lower MIPEX index were related to more support for populist radical right parties.

Another issue that deserves further attention is that of the limited number of countries in our analysis. It could be argued that having 15 countries in our multi-level model is too few and to address this concern we estimated a multi-level model in which respondents were nested in country-waves, controlling for country with dummy variables. We tested our main model with this alternative model specification. Our key results were maintained (see Table S7).

*Table S1.* PRRPs across countries and waves in the ESS.

| **Wave** | **Austria** | **Belgium** | **Bulgaria** | **Switzerland** | **Denmark** | **France** | **Germany** |  | **Greece** | **Hungary** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | FPÖ | BZÖ | FN | VB | Atak | SVP | SD | FDU | FP | FK | DF | FN | MN | REP | NPD | AfD | LAOS | MIEP | Fidez | Jobbik |
| Wave 1 | x |  | x | x |  | x | x | x | x | x | x | x | x | x |  |  |  |  |  |  |
| Wave 2 | x |  | x | x |  | x | x | x | x | x | x | x | x | x | x |  | x |  |  |  |
| Wave 3 | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |  |  | x |  |  |
| Wave 4 | x | x | x | x | x | x | x | x |  |  | x | x |  | x | x |  | x | x |  |  |
| Wave 5 | x | x | x | x | x | x | x | x |  |  | x | x |  | x | x |  | x | x |  |  |
| Wave 6 |  |  | x | x | x | x | x | x |  |  | x | x |  | x | x |  |  | x | x | x |
| Wave 7 | x | x | x | x |  | x |  | x |  |  | x | x |  |  | x | x |  |  | x | x |

*Note*. **Austria** – FPO: Freiheitliche Partei Osterreichs (Freedom Party of Austria); BZO: Bundnis Zukunft Osterreich (Alliance for the Future of Austria). **Belgium** – VB: Vlaams Belang (Flemish Interest); FN: Front National (National Front). **Bulgaria** – Ataka (Attack). **Denmark** – FRPd: Fremskridtspartiet (Progress Party); DFP: Dansk Folkeparti (Danish People’s Party). **Finland** – TF: Perussuomalaiset (The Fins Party/True Fins). **France** – FN: Front National (National Front); MNR: Mouvement National Republicain (National Republican Movement). **Germany** – Republikaner (Republicans); NPD/DVU: Nationaldemokratische Partei Deutschlands/Die Volksunion (National Democratic Party of Germany – The People’s Union). **Greece** – LAOS: 6aıkoy Oryodoxoy nuarErmoy, Laikoes Orthodoxos Synagermos (Popular Orthodox Rally). **Hungary** – MIEP/ Jobbik: MIEP–Jobbik a Harmadik Ut partszovetseg (MIEP–Jobbik Third Way Alliance of Parties). **Netherlands** – LPF: Lijst Pim Fortuyn (Pim Fortuyn List); PVV: Partij voor de Vrijheid (Party for Freedom). **Norway** – FRPn: Fremskrittspartiet (Progress Party). **Poland** – LPR: Liga Polskich Rodzin (League of Polish Families). **Slovakia** – SNS: Slovenska narodna strana (Slovak National Party). **Slovenia** – SNS: Slovenska Nacionalna Stranka (Slovenian National Party). **Switzerland** – SVP: Schweizerische Volkspartei (Swiss People’s Party); NA/SD: Nationale Aktion/Schweizer Demokraten (National Action/SwissDemocrats); EDU: Eidgeno¨ssisch-Demokratische Union (Federal Democratic Union of Switzerland); FPS: Freiheits-Partei der Schweiz (Freedom Party of Switzerland); TL: Lega dei Ticinesi (Ticino League).

*Table S1.* PRRPs across countries and waves in the ESS (continued).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Wave** | **Netherlands** | **Norway** | **Poland** | **Slovakia** | **Slovenia** | **Finland** |
|  | LPF | PVV | LPR | LJ | CNR | SNS | SNS |  | TF |  |  |
| Wave 1 | x | x | x |  |  |  |  | x |  |  | x |  |  |
| Wave 2 | x | x | x |  |  |  |  | x |  |  | x |  |  |
| Wave 3 | x | x | x |  |  | x |  | x |  |  | x |  |  |
| Wave 4 | x | x |  | x |  | x |  | x |  |  | x |  |  |
| Wave 5 |  | x |  | x |  | x |  | x |  |  | x |  |  |
| Wave 6 |  | x |  | x | x |  |  | x |  |  | x |  |  |
| Wave 7 |  | x |  | x | x |  |  |  |  |  | x |  |  |

*Table S2.* Mean proportion of immigrants (relative to the total population) and number of incoming immigrants for each country and wave of the European Social Survey.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Country** | **Mean proportion****of****immigrants** | **Wave 1****(2002-03)** | **Wave 2** **(2004-05)** | **Wave 3** **(2006-07)** | **Wave 4** **(2008-09)** | **Wave 5** **(2010-11)** | **Wave 6** **(2012-13)** | **Wave 7****(2013-14)** |
| AustriaBelgiumBulgariaDenmarkFinlandFranceGermanyGreeceHungaryNetherlandsNorwayPolandSlovakiaSloveniaSwitzerland | 1.40%1.25%0.13%1.08%0.53%0.49%0.79%0.43%0.92%0.78%1.29%0.32%0.13%0.94%2.03% | --------------- | 114 465------70 93327 820------ | 72 862137 6991 56156 75022 451301 544661 855-25 732101 15045 77610 8028 62420 016127 586 | ---57 35729 114296 608682 14658 61327 894143 51658 12315 2758 76530 693184 297 | -147 377-52 23625 636307 111404 05560 08925 519130 11869 214155 1315 27215 416161 778 | -129 47718 57060 31231 278338 752592 175-33 702124 56669 908217 5465 41915 022149 051 | 166 323123 158-68 38831 507340 383884 893-54 581145 32366 903218 147-13 846156 282 |

*Table S3.* GDP per capita in US$ for each country and wave of the European Social Survey.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Country** | **Mean GDP** | **Wave 1****(2002-03)** | **Wave 2** **(2004-05)** | **Wave 3** **(2006-07)** | **Wave 4** **(2008-09)** | **Wave 5** **(2010-11)** | **Wave 6** **(2012-13)** | **Wave 7****(2013-14)** |
| AustriaBelgiumBulgariaDenmarkFinlandFranceGermanyGreeceHungaryNetherlandsNorwayPolandSlovakiaSloveniaSwitzerland | 40 09341 0975 90254 47943 20838 94139 29224 16411 46246 35979 73410 41015 80720 88966 738 | 32 10325 0522 69440 45926 83629 69125 20518 4786 64628 81743 0615 197-11 81441 337 | 38 24235 590-52 04137 63634 88034 16622 55211 15639 95557 5706 64010 65517 26153 256 | 46 58738 8524 45652 04141 12136 54536 401-11 39244 01174 1159 00016 01519 72657 349 | -48 4256 95664 18253 40145 41345 69929 71112 94856 93996 88113 90618 60427 50272 120 | -47 7007 75057 64846 20540 70641 78825 91513 00953 53787 64612 59816 55523 43974 277 | -44 7317 65659 81947 41642 62844 011-12 82049 128101 56413 03617 20722 47883 209 | 43 43947 328-60 71849 84342 72647 774-12 25952 13997 30012 495-24 00285 617 |

*Table S4.* Unemployment rate in % for each country and wave of the European Social Survey.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Country** | **Mean Unemploy-****ment** | **Wave 1****(2002-03)** | **Wave 2** **(2004-05)** | **Wave 3** **(2006-07)** | **Wave 4** **(2008-09)** | **Wave 5** **(2010-11)** | **Wave 6** **(2012-13)** | **Wave 7****(2013-14)** |
| AustriaBelgiumBulgariaDenmarkFinlandFranceGermanyGreeceHungaryNetherlandsNorwayPolandSlovakiaSloveniaSwitzerland | 4.737.7410.725.618.049.047.7411.689.074.363.5012.6713.406.933.97 | 4.37.513.75.49.08.68.69.75.82.63.919.9-6.32.9 | 5.28.4-5.58.88.910.39.87.24.64.419.018.16.34.3 | 4.48.28.93.97.68.810.3-7.53.93.413.811.06.04.0 | -7.06.83.46.37.47.59.510.02.82.67.19.64.43.4 | -7.111.37.58.49.37.117.711.24.43.69.614.47.24.5 | -7.512.97.07.610.45.4-10.95.33.210.113.98.84.2 | 5.08.5-6.68.69.95.0-10.96.93.49.2-9.54.5 |

*Table S5.* Indicator of social inequality for each country and wave of the European Social Survey.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Country** | **Mean social inequality** | **Wave 1****(2002-03)** | **Wave 2** **(2004-05)** | **Wave 3** **(2006-07)** | **Wave 4** **(2008-09)** | **Wave 5** **(2010-11)** | **Wave 6** **(2012-13)** | **Wave 7****(2013-14)** |
| AustriaBelgiumBulgariaDenmarkFinlandFranceGermanyGreeceHungaryNetherlandsNorwayPolandSlovakiaSloveniaSwitzerland | 0.1300.1590.1680.1950.1850.1770.1390.2230.1610.1390.1590.1600.1270.1670.155 | 0.1380.163-0.1560.1840.1880.1450.2560.1760.1670.1520.168-0.1630.153 | 0.1210.145-0.1540.1860.1910.1410.2580.1430.1650.1530.1540.1310.1670.150 | 0.1220.1680.1640.2140.1920.1730.142-0.1700.1800.1580.1600.1400.1730.150 | -0.1600.1740.2050.1810.1740.1370.1790.1710.1750.1590.1690.1210.1750.161 | -0.1600.1700.2120.1860.1750.1450.2010.1620.1720.1550.1580.1190.1670.152 | -0.1620.1650.2160.1780.1720.135-0.1520.1690.1860.1600.1210.1690.166 | 0.1400.153-0.2080.1860.1650.133-0.1520.1560.1500.152-0.154- |

*Table S6*. Zero-order correlations between the country-level variables.

*Note*: \* *p* < 0.050; \*\* *p* < 0.010; \*\*\* *p* < 0.001.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| 1 - PRRP Votes2 - Immigration (between)3 - Immigration (within)4 - Unemployment (between)5 - Unemployment (within)6 - Inequality (between)7 - Inequality (within)8 - GDP (between)9 - GDP (within) | -.32\*\*.17\*-.30-.15.05.09.38\*\*.22\*\* | -.01-.80\*\*\*.14-.09.17.77\*\*\*.36\*\*\* | -.01-.07.01-.09.01.14 | --.23\*.01-.22-.82\*\*\*-.39\*\*\* | -.16-.15.12-.08 | -.01.07-.01 | -.21.04 | -.48\*\*\* | - |

*Table S7.* Results of Model 1 controlling for additional contextual variables and using an alternative model specification.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Variables | **Model 1****With additional** **controls (no MIPEX)** | **Model 1****With additional** **controls (with MIPEX)** | **Model 1****2-Level MLM** |
| Country- level coefficients | Immigration (between-country)Immigration (within-country)GDP (between-country)GDP (within-country)Inequalities (between-country)Inequalities (within-country)Government Stability (between-country)Government Stability (within-country)Inflation (between-country)Inflation (within-country)Unemployment (between-country)Unemployment (within-country)MIPEX (between-country)MIPEX (within-country)Countries (reference category: Germany)AustriaBelgiumBulgariaDenmarkFinlandFranceGreeceHungaryOther | **.302 (.242)****.163 (.052)\*\***.190 (.165).007 (.056).195 (.156).036 (.059)-.459 (.170)\*\*-.078 (.147)-.483 (.116)\*\*\*-.041 (.073).375 (.267)-.186 (.174)----------- | **-.034 (.188)****.251 (.054)\*\*\***.847 (.235)\*\*\*-.088 (.093).627 (.139)\*\*\*.273 (.112)\*-.527 (.110)\*\*\*-.271 (.114)\*-.518 (.131)\*\*\*.038 (.123).627 (.192)\*\*-.386 (1.51)\*-.583 (.146)\*\*\*-.064 (.072)--------- | **.211 (.137)****.175 (.067)\*\***1.001 (.243)\*\*\*-.063 (.067)1.052 (.405)\*\*-.051 (.110)----.981 (.296)\*\*-.102 (.126)--.505 (.097)\*\*\*-.101 (.121).013 (.102)-.330 (.287)-.360 (.247)-.290 (.210)-.877 (.362)\*.149 (.276).245 (.243) |
| Unexplained variance |  | .662 (.155) | .199 (.057) |  .613 (.119) |
| Fit indicators | LoglikelihoodAkaike information criterion (AIC)Bayesian inform. criterion (BIC) | 4.457740 27440 192 | 3.118727 93428 183 | 2.107340 03540 303 |
| Sample size | Countries; country-wavesrespondents | 15; 6775 874 | 13; 4552 619 | 15; 6775 874 |

*Note*. MIPEX denotes The Migrant Integration Policy Index. MLM denotes multi-level model. Individual-level coefficients are omitted from this table as they were identical to the main model (Table 1). All coefficients were standardized. For the 2-level multi-level model, the ‘Other’ category includes the following countries: Netherlands, Norway, Poland, Slovakia, Slovenia, and Switzerland. This category was created due to model identification purposes. \* *p* < 0.050; \*\* *p* < 0.010; \*\*\* *p* < 0.001

**References**

International Country Risk Guide. 2019; Available at: <https://www.prsgroup.com/explore-our-products/international-country-risk-guide/>

The Migrant Integration Policy Index. 2019; Available at: <http://www.mipex.eu/>