# DATASETS

# assessing party membership figures: the mapp dataset

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### Abstract

Assessments of party decline and decline of traditional forms of political participation often rely on the argument of party membership decline. Most studies analysing trends in party membership over time focus on aggregate country-level data at a few points in time. While they allow grasping general membership trends, they are not without shortcomings. This article presents the Members and Activists of Political Parties (MAPP) dataset related to the MAPP project. The dataset makes a large amount of data on party membership data observations (M) covering 397 parties in 31 countries, mostly between 1945 and 2014. The article discusses the existing literature and data on party membership trends, how membership trends have been assessed so far, and the potential added value of the MAPP dataset.

**Keywords** political parties; party membership; party organisations

# INTRODUCTION

he dominant form of party-citizens' linkage has for long been party membership. However, memberless parties are conceivable today (Dalton and Wattenberg, 2000;

Mazzoleni and Voerman, 2016), and parties have developed multi-speed forms of linkage or affiliation beyond membership (Scarrow, 2015). Parties are changing, and this makes the study of party membership and its mechanisms, processes, and evolutions crucial. Yet, party membership has for long remained a minor topic in the field (van Haute, 2009; van Haute and Gauja, 2015a, b).

Three articles have fundamentally contributed to the development of party (membership) research: the article by Katz et al in the European Journal of Political Research (1992), the update by Mair and van Biezen in Party Politics (2001), and the second update by van Biezen et al in the European Journal of Political Research (2012). What these articles have in common is that they provide a comparative longitudinal assessment of party membership figures using a collective dataset that has been updated over time. These articles were groundbreaking in the sense that, before their publication, early research on party membership (figures) consisted of case studies of single countries or parties with few systematic cross-national comparisons (with partial exceptions, such as Bartolini, 1983; von Beyme, 1985; Sundberg, 1987). Relying on 'objective' membership figures provided by political parties (Mair and van Biezen, 2001; van Haute and Gauja, 2015a, b), their conclusion point toward a deepening decline of party membership over time, to the point that it now concerns almost all democracies.

Given their empirical contribution, these articles rapidly became central in several sub-fields in the literature. Figure 1 represents the 408 most-cited articles on party membership in the post-1992 literature referenced in the Scopus dataset. Each circle represents one scientific publication, and the size of the circle is proportional to the article's number of citations, with larger circles representing the most often cited publications in the literature. A link between two circles means that the publications have at least three references in common. Clusters mean that co-citations between '...This article presents the MAPP dataset related to the MAPP project (Members and Activists of Political Parties). The dataset makes a large amount of data on party membership available to the larger public'.

these related articles are frequent. As Figure 1 shows, the three articles (respectively labelled in the figure as Katz *et al*, 1992; Mair and van Biezen, 2001; van Biezen *et al*, 2012) are located at the centre of the figure, and at crossroads of three major sub-fields.

The first stream of research (Figure 1, top right) looks at party members and activists as a free resource for parties in electoral campaigns (see for example Fisher et al, 2006). The second stream of research (Figure 1, left) looks at party membership as one of the three faces of party organisations, the party on the ground (see for example Katz and Mair, 1995). The third stream of research (Figure 1 bottom right) investigates party membership as one form of political participation and looks at who joins and why (see for example Whiteley et al, 1994; Seyd and Whiteley, 2004). These three fields are relatively independent of each other (few co-citations), but they share a common reference to our three groundbreaking articles, which is illustrated by their centrality in Figure 1.

The conclusions of these groundbreaking articles have also become central in the literature. They have served as the foundation of party (membership) research. Party membership decline has become a straightforward indicator of declining organisational health of parties (Dalton and Wattenberg, 2000; Dalton *et al*, 2011). Today, it is often mobilised as the opening statement in many researches, and is rarely challenged (with some exceptions, see Delwit, 2011; Kölln, 2015).

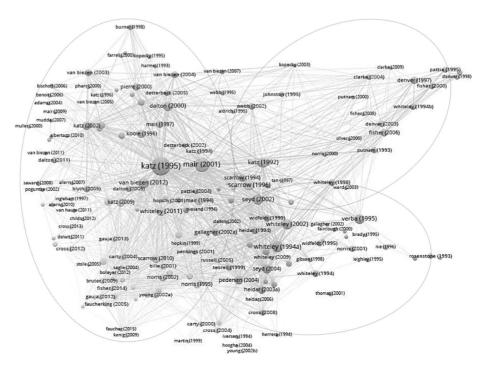
However, these three studies mostly analyse membership figures at the aggregate (country) level, rely on few time points and, perhaps most importantly, are not paired with a publicly available dataset. The aim of this research note is to present a new dataset, the Members and Activists of Political Parties (MAPP) dataset,<sup>1</sup> which tries to address these shortcomings and allows for a finer assessment of party membership.

PRESENTATION OF THE MAPP DATASET

One of the main objectives of the MAPP project was to conduct the largest data

'... The dataset provides
6,307 party membership data observations
(M) covering 397 parties in 31 countries, mostly between 1945 and 2014'.

collection so far on party membership figures. In order to do so, it directly relies on the past efforts of scholars involved in the data collection for the three founding articles and tries to extend and complement it. Consequently, it relies on a convenience sample of thirty-one countries<sup>2</sup> for which country expert(s) could be identified and have agreed to contribute to this collective effort. (A full list



**Figure 1** Graphic representation of the post-1992 dominant literature on party membership. *Source*: Dataset exported from the Scopus database, including 409 documents matching with 'party membership' as keywords and their 34,684 references; literature considered: only post-1992 articles (no books or conference/working papers). The reference list is available upon request. *Note*: Representation via VOS viewer.

of the country experts involved in the data collection is available in Electronic Supplementary Material).

The unit of analysis in the dataset is political parties. Country experts were asked to be as exhaustive as possible and to report party membership figures for all parties that have been or are currently represented in the national parliament, as well as major regional parties. When available, additional data on smaller parties were included too. At this stage thus, the MAPP dataset contains at least one data point for 397 parties. Similarly, country experts were asked to provide data from WWII to 2014 (or since the democratisation of the country to present), but when available, membership data prior WWII were included too. The unit of observation corresponds to the number of party members of a given party in a given year (M). The dataset contains 6,307 observations.

The dataset is available on the project's website www.projectmapp.eu, either in the form of individual country datasets, or as an integrated comparative dataset.

For each unit of observation (M), country experts also provided information about the country (country name in English, country ISO codes) and the party (party acronym, full name in original language, full name in English, year of foundation, year of origin for parties with earlier roots, year of disappearance, and party family).<sup>3</sup> The MAPP project team added three party ID variables, one that is specific to the MAPP project and, when available, the party ID used in the Political Party Database project (PPDB, http:// www.politicalpartydb.org), and the Parliament and government composition project (ParlGov, www.parlgov.org) in order to facilitate the merge of the MAPP dataset with other large-scale comparative projects in the field of comparative politics.

The dataset also provides information regarding the source of the collected data. As mentioned in the introduction, the aim

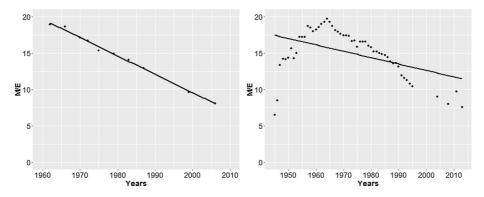
"...The article discusses the existing literature and data on party membership trends, how membership trends have been assessed so far, and the potential added value of the MAPP dataset'.

was to collect 'objective' party membership figures either directly provided by political parties themselves, or reported by institutions (in countries where parties are required to disclose their membership data), by the media, or in other academic publications. We are aware of the shortcomings of objective membership figures and the variance in the quality of the sources. As pointed by van Haute and Gauja (2015a, b), the quality of the data varies across countries, parties, and time. Quality improves when state institutions require parties to publicly disclose their membership figures. Quality also varies depending on the organisational capacity of the parties, as well as institutional or legitimacy factors that can push parties to inflate their membership numbers or make them reluctant to disclose them at all. Nevertheless, some of these hurdles are progressively removed. With the development of new communication technologies, parties have better tools today to maintain their membership databases. In parallel, growing party distrust may have affected the symbolic value of party membership and created incentives for parties to become more transparent and open to academic research, and more ready to disclose their membership figures. Furthermore, some of these measurement problems are relatively minor when looking at long-term trends (Scarrow, 2000). While some problems and difficulties remain, 'there is little the analyst of party membership can do about this' (Mair and van Biezen, 2001: 8). Besides, the only available alternative, the subjective measure based on individuals reporting their party membership in population surveys, is not without its own shortcomings (van Haute and Gauja, 2015a, b). Therefore, we believe that the dataset provides a unique, solid contribution to our empirical knowledge of party membership.

# MAIN CONTRIBUTION AND OPPORTUNITIES OF THE MAPP DATASET

Compared to the existing data analyses on party membership, the MAPP dataset presents two main advantages. It contains more time points, and more parties. Combined, these two advantages make the MAPP dataset the largest available dataset in terms of data points (M) on party membership figures. In this section, we stress the empirical contribution of the MAPP project, and we sketch the opportunities and new avenues for research that the MAPP dataset opens.

The MAPP dataset offers more time points and covers more parties than the existing studies, which ultimately provides many more observations (M). As a matter of comparison, at the party level, Katz et al (1992) relied on around 510 observations of M/E ratios, Mair and van Biezen (2001) relied on 352 observations  $(M)^4$ , and van Biezen *et al* (2012) added 307 new observations (M). Compiling the data from the appendix of the three articles together would allow to work on a time-series cross-sectional database of a little more than 1,000 observations, whereas the MAPP dataset relies on a total of 6,307 observations.



**Figure 2** Trend in Aggregate Party Membership Ratio (M/E) in Finland, based on van Biezen *et al* (2012) and the MAPP dataset.

*Source*: Left: Katz and Mair, 1992; Mair and van Biezen, 2001; van Biezen *et al*, 2012 (appendix of articles); Right: van Haute *et al*, 2016.

*Notes*: The dots denote data points, the trend is the linear regression line.

van Biezen *et al*, 2012: Figure based on 69 direct observations and two proxies for party membership observations (M).

MAPP: Figure based on 272 direct observations (222 for the five main parties and 50 for the six smaller parties) and 97 proxies of party membership observations (M) (33 proxies used for the five main parties, 64 proxies used for the six smaller parties). Proxies for missing observations were calculated based on a linear interpolation between existing observations. For the five main parties: gap not exceeding two years in 90% of the cases, maximum gap of five years; for the six smaller parties: average gap of five years, maximum gap of fourteen years). Data on the electorate (E) from IDEA database; missing values between election years were calculated based on a linear interpolation.

With fewer observations, prior studies had more limited options for their data analysis. They mostly discuss national aggregate membership data over all (available) parties as a proportion of the electorate (aggregate M/E per country) to run longitudinal cross-national comparisons (Katz et al, 1992; Mair and van Biezen, 2001; van Biezen et al, 2012). This leaves only two or three time points per decade per country. Even then, they had to use proxies for missing observations. Missing data have been estimated using either membership data for up to two years prior or after the time point as proxies, assuming temporal equivalence, or by computing averages from prior and post observations (the choice between the two strategies being not always clear).

By including more observations, the MAPP dataset allows for a finer depiction of party membership trends. Figure 2 illustrates this at the aggregate level. Using Finland as an example, it replicates van Biezen *et al's* analysis of party

membership trends from 1960 until 2010, and compares it to trends from the MAPP dataset from 1945 until 2010.

The MAPP data confirm the downward trend between mid-1960 and 2010 at the aggregate level. However, the MAPP data show more fluctuation along the regression line. When expanding the data coverage from 1945 until 2010, as the MAPP data allow, the trend appears more curvilinear than linear, which confirms how crucial the starting point of the longitudinal study is (Norris, 2002; Scarrow, 2000). Besides, much of the trend was driven by the drop in membership of one single party, the Centre Party (KESK), which in the twenty-first century returned to its early 1950s membership levels after reporting historically high membership levels between the end of the 1960s and the end of the 1980s.

This brings us to the second way in which the MAPP dataset contributes to a finer depiction of membership trends: the possibility to disaggregate the analysis by party. This is a crucial contribution of the

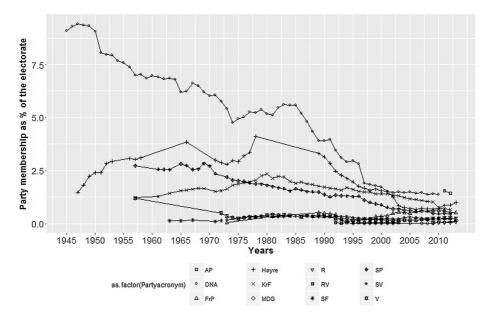
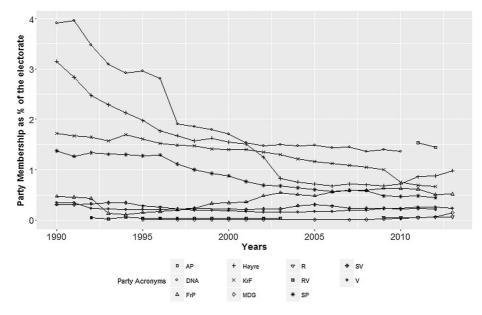


Figure 3 Trend in Individual Party Membership Ratios (M/E) in Norway, 1950–2010. *Source*: van Haute *et al*, 2016.



**Figure 4** Trend in Individual Party Membership Ratios (M/E) in Norway, 1990–2013. *Source*: van Haute *et al*, 2016.

MAPP dataset. Although prior studies provided information at the party level, the more limited number of observations did not allow to fully test a set of partylevel explanations for membership fluctuations. Indeed, the larger party in a given country often contributes to a sizeable extent to the aggregate country M/E ratio, which often conceals what is happening within the other parties in the national political system. A striking example of this was pointed by Kölln (2015: 466), who noted that in 1990 in Sweden, 'the social democratic party alone contributed with around 72 per cent' to the aggregate country M/E ratio. The MAPP dataset allows distinguishing actual party-level membership ratios (M/ E) and their evolution over time. Figures 3 and 4 display the party-level M/E ratios for Norway, respectively from 1950 to 2010, and 1990-2010. It highlights that the Social Democrats dominate in terms of membership figures, but are clear outliers in the party system (Figure 3). Figure 4 shows that individual parties' trends are more nuanced than the commonly accepted 'general decline' view.

Being able to disaggregate trends by parties is crucial as it allows testing for more solid explanatory models of party membership trends. Given the data limitations, most previous studies focused on aggregate country-level membership trends and have investigated the effect of macro-level explanatory variables. More specifically, two approaches have dominated in the literature. The first one modernisation theories- is rooted in the supply side (Scarrow, 1996) and looks at broad societal changes linked to postindustralisation, which would have shifted participation repertoires to more individual modes of political action (Norris, 2002; Marien and Quintelier, 2011). The second one -the institutional approachinvestigates the impact of the type of political regime (Bartolini, 1983; Tan, 2000), the size of the polity (Weldon, 2006), the electoral system (Norris, 2002), or party laws (Pedersen, 2003;

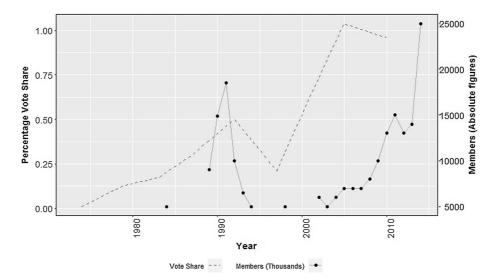


Figure 5 Trend in Party Membership Ratios (M/E), Green Party of England and Wales, 1970–2014. *Source*: van Haute *et al*, 2016.

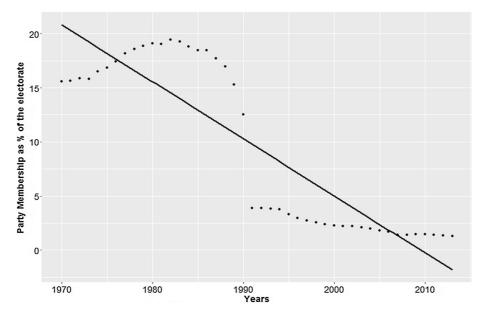


Figure 6 Trend in Party Membership Ratio (M/E), Sweden Social Democrats (1970-2013). *Source*: van Haute *et al*, 2016.

Scarrow, 1996). If these models are fit to explain aggregate country-level longitudinal trends, they fail to explain why in certain polities, some parties experience party membership gains while other experience membership losses, as it is the case in Norway in recent years (Figure 4).

The MAPP dataset is the first largescale database that allows testing for other, party-related factors.<sup>5</sup> Our intention here is not to test these alternative

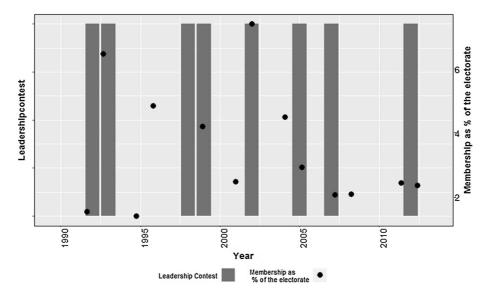


Figure 7 Trend in Party Membership Ratio (M/E), Likud (1990–2012). *Source*: van Haute *et al*, 2016.

explanations, but rather to propose a research agenda for the field. The pairing up of party ID used in other large-scale comparative datasets offers unprecedented opportunities.

First, the cross-party variations could be linked to the position that parties occupy in their respective party systems. This would link membership trends to electoral and governmental cycles, but also to the nature of the party system (numbers of parties and ideological competition). A quick first glance at the membership trend of the UK Green party (Figure 5) illustrates that there may be a link between electoral performances and membership trends that would deserve further research attention.

Second, cross-party variations could be linked to party characteristics such as party family, party organisational types, or party age (for a first test of these variables, see Kölln, 2015). The way parties organise and manage their affiliation rules may also matter (for a cross-sectional test of these variables, see Kosiara-Pedersen *et al*, 2017). A first hint of this is illustrated in Figure 6. It shows how a change in party affiliation rules within the Swedish Social Democrats (the abolition of corporate membership in 1990 – see Widfeldt, 1997) has generated what appears to be a huge drop in membership levels. As the Swedish Social Democrats weight so much on the aggregate membership ratio, one can start to question whether the downward trend discussed at the aggregate country level can really be attributed to macro-level societal changes.

A second example is offered in Figure 7. It shows how, in parties using universal member suffrage for the selection of the party leadership, party membership can fluctuate drastically from year to year. As hypothesised elsewhere by Cross (2015), this phenomenon 'results from members joining the party for purposes of voting in a personnel recruitment contest and subsequently allowing their membership to lapse the following year. Thus, membership levels spike when a party leadership contest is held and, to a lesser extent, during election years when candidate nomination contests occur'.

Finally, intra-party life and dynamics are expected to affect party membership

ratios. Many single case studies have documented how internal dissatisfaction or intra-party conflicts may lead to collective exit (for a general discussion on the application of the exit-voice-loyalty model to party membership, see van Haute, 2015). Another avenue for research could therefore be linking factionalism, as expressed in the parliamentary party group or during leadership or candidate selection contests, and party membership figures.

The examples illustrate how the MAPP dataset offers unprecedented opportunities to test new, alternative explanations of party membership fluctuations beyond the general decline thesis.

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#### Notes

1 Further details on the MAPP dataset and access to the dataset are available in the MAPP project website: www.projectmapp.eu.

2 The countries are: Australia, Austria, Belgium, Brazil, Canada, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, Iceland, Ireland, Israel, Italy, Lithuania, Mexico, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, and the United Kingdom.

3 The 'party family' variable was coded by country experts, using the same coding scheme as the Making Electoral Democracy Work project (MEDW) that distinguishes between nine categories: (Former) Communist, Christian Democratic/Religious, Conservative, Ecology, Ethnic and Regional, Liberal, National, Social Democratic, and Special Issue.

4 In 20 per cent of the cases, the total membership levels stated in the 2001 article were collected for the same years as the M/E ratio computed in the annexes from the 1992 article.

5 Kölln (2015) is the first attempt to test these on a sub-set of six countries.

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