Reverse Revolving Doors in the Supervision of European Banks

Stefano Colonnello†  Michael Koetter‡  Alex Sclip§  Konstantin Wagner¶

This draft: April 26, 2021

Abstract

We show that the presence of executive directors with prior experience in the finance industry is pervasive on the boards of European national banking supervisors. Up to one executive out of three has previously held positions in the industry he/she supervises. Appointments of such executives impacts more favorably bank valuations than those of executives without a finance background. The proximity to supervised banks—rather than superior financial expertise or intrinsic skills—appears to drive the positive differential effect of finance-related executives.

JEL Classification: G14, G21, G28

Keywords: Revolving Doors, Banking Supervision, Conflicts of Interest

---

*Pedro Cabral Fernandes and Cristina Zgherea provided excellent research assistance. We gratefully acknowledge financial support from the the German Science Foundation (DFG, grant number 404779472).

†Corresponding author. Ca’ Foscari University of Venice and Halle Institute For Economic Research (IWH), Italy. E-mail: stefano.colonnello@unive.it.

‡Halle Institute for Economic Research (IWH), Otto-von-Guericke University Magdeburg, and Deutsche Bundesbank, Germany. E-mail: michael.koetter@iwh-halle.de.

§University of Udine, Italy. E-mail: alex.sclip@uniud.it.

¶Halle Institute for Economic Research (IWH), Germany. E-mail: konstantin.wagner@iwh-halle.de.
1 Introduction

A remarkable flow of workers between banks and their supervisory authorities exists at all hierarchical levels, a phenomenon known as the revolving door (e.g., Lucca, Seru, and Trebbi, 2014; Shive and Forster, 2016). Several studies explore, theoretically and empirically, its implications for supervisory activity (e.g., Agarwal, Lucca, Seru, and Trebbi, 2014; Bond and Glode, 2014), but focus almost invariably on regulators seeking employment in the banking sector, possibly because of the media and regulatory attention (through, for instance, cooling-off periods) these moves attract. We make one step back and look at the opposite job flow, from supervised banks to their supervisors: the reverse revolving door.¹

This phenomenon, just like the possibility for regulators to secure a position in the banking industry in the future, may alter regulation design and the effectiveness of supervision. On the one hand, former bankers may bring to the table their industry expertise, helping design better rules and enforce them more effectively. On the other, their lingering relationships with former colleagues may be conducive to cronyism and regulatory capture.

The trade-off posed by the reverse revolving door is scarcely scrutinized by the public and relatively underexplored in academic research. It is peculiar, for instance, that in the Federal Reserve System of the United States (US), the presence of bankers at the very top of supervisory institutions is enshrined in bylaws (e.g., Adams, 2017). The phenomenon is even less understood, both in its magnitude and implications, within the European Union (EU). We fill this gap by collecting curriculum vitae (CV) data on executive directors of banking supervisory authorities from selected EU countries, which offer a useful laboratory in which supranational and national institutions interact. After quantifying the pervasiveness of former bankers’ presence at the top of such institutions, we assess their impact on supervised banks’ value by means of an event study, which points to their friendliness towards the industry relative to supervisors with a civil-servant or an academic background.

More specifically, our manually-collected dataset features detailed information on the careers of the 190 executive directors serving on the boards of 14 national supervisors from the ten largest EU economies over the period 2002-2019. Levering such a dataset, we assess the magnitude of the reverse revolving door across Europe. Using a broad defi-

¹Though uncommon, we are not the first to use this expression (e.g., Fang, 2013; Castellani and Dulitzky, 2018).
nition of what constitutes a significant experience in the finance sector, the phenomenon involves up to 37.2% of the executives. Even restricting the definition to those individuals that previously held a managerial position in finance, the phenomenon appears to be important in most countries’ institutions, although with notable cross-country and time variation. This is not the only facet in which national supervisors’ executive hires display heterogeneity: we observe a divide between a group of countries (like France and Italy), where civil-servant profiles largely prevail, and others (like the United Kingdom and Sweden), where a more balanced mix in terms of public and private sector backgrounds is pursued.

To infer how personal links to the banking industry shape supervisory activity, we carry out an event study on bank stock returns around announcements of executive appointments. The average appointment is met with a significantly negative return in the range of $-0.46\%$ to $-0.37\%$ on the announcement day. The value-decreasing effect, however, is driven by executives without prior experience in the finance industry. Appointees with a finance background trigger no significant market reaction. Provided that both groups of executives inform supervisory activity with valuable (though different) technical know-how, we argue that proximity to supervised entities of former bankers underlies the result. We corroborate this conjecture by separately examining direct bank-executive links, where the proximity aspect is particularly pronounced. Consistently, appointments of this type are associated with positive stock price responses. In other words, based on investors’ expectations, executives’ industry proximity matters and leads to a differential valuation effect of finance- and non-finance-related appointments.

We narrow down the role of industry proximity by ruling out two important alternative explanations for our findings. First, investors may react more positively to finance-related appointments because these executives are intrinsically more skilled than the other ones. Whereas intrinsic skills are unobservable, existing theory and evidence suggests that the quality of the applicant pool of supervisors varies countercyclically, as banking becomes less attractive for talented individuals during downturns (Bond and Glode, 2014; Lucca et al., 2014). Put differently, after controlling for market-wide fluctuations, bank stocks should react more favorably to appointments made in recessions. We find no evidence of such a pattern. To the contrary, reactions are even more negative in bad times, possibly because of the anticipation of new executives’ support of tougher enforcement actions during a crisis.

Second, most of the national supervisors in our sample are central banks, which are charged with numerous tasks. Out of the ten EU countries analyzed, only two do not
belong to the eurozone, so, upon executive appointments, bank stock prices are unlikely
to impound expected changes in monetary policy, which is in the hands of the European
Central Bank (ECB). But it is still possible that appointments convey information about
tasks other than banking supervision. To verify that we are indeed capturing investors’
views about future supervisory activity, we exploit the introduction of the Single Supervi-
sory Mechanism (SSM), which transferred supervisory powers over important banks (such
as the ones in our sample) from national supervisors to the ECB. Consistently, the aver-
age market reaction to national supervisors’ executive appointments turns insignificant
in the post-SSM period.

All in all, our results suggest that the reverse revolving door in the boards of banking
supervisory authorities is prevalent. Moreover, based on investors’ expectations, former
bankers differ from other executives by introducing a positive bias towards supervised
banks. Detecting the presence (or absence) of such a bias in actual supervisory actions,
though it exceeds the scope of this paper, is key to substantiate the consequences of the
reverse revolving door.

This study contributes to the literature studying the relationship between banking
supervisory authorities and supervised entities through the revolving door.² Lucca et al.
(2014) characterize the trade-off posed by the flow of workers from the regulatory to the
banking sector. This can lead to suboptimal outcomes if regulators soften their standards
to enhance their future employability in the private sector (“quid-pro-quo hypothesis”).
However, if regulators become more employable in banks by virtue of the expertise they
acquire while in supervision, the revolving door may provide benefits for the financial
system stability (“regulatory schooling hypothesis”). Lucca et al. (2014) provide evidence
supportive of this second view for the US context. Shive and Forster (2016) show that
US bank CEOs with a background in supervision are paid more and implement safer
policies, also in line with the regulatory schooling hypothesis.

Whereas there is a substantial body of work on the effects of workers flowing from the
regulatory to the banking sector, the consequences of the reverse revolving door are much

²The revolving door is a pervasive phenomenon even outside banking, and specifically in any highly
regulated industry. For instance, Cornaggia, Cornaggia, and Xia (2016) and Kempf (2020) analyze the
revolving door among credit rating agencies, their client firms, and underwriting banks. Blanes i Vidal,
Draca, and Fons-Rosen (2012) look at the flow of US federal government employees into lobbying, docu-
menting that they can lever their personal connections in government to generate revenues. Luechinger
and Moser (2020) illustrate that firms benefit from hiring former EU commissioners, especially if they
recruit them shortly after they left office, in line with the intuition that what matters is their personal
connections.
less studied.\textsuperscript{3} With regards to the US, the structure of Federal Reserve Banks’ boards, in which one-third of the directors are nominated by member banks, is a useful setting to evaluate such consequences. Adams (2017) and Black and Dlugosz (2018) find that the appointment of a connected director benefits banks through supervisory forbearance and information advantage. Lim, Hagendorff, and Armitage (2019) find that, ceteris paribus, connected banks are less capitalized than non-connected ones, in line with a regulatory capture story. We add to the literature by documenting the existence of the reverse revolving door in EU national supervisors and by studying its valuation impact on supervised banks.

2 (Reverse) revolving doors and bank value

Our analysis evaluates the consequences for bank value of the previous work experience of appointees at the top level of supervisory authorities. More specifically, we study the appointments of individuals with a banking background against those of individuals with no such experience (e.g., academics, civil servants, etc.), where the former contribute to the reverse revolving door. To inform the empirical analysis, here we elaborate on the possible forces driving the market reaction to news about appointments to the executive board of supervisory bodies.

Before characterizing such forces, it is worth briefly sketching the rules governing the appointment of executive board members of national supervisors in Europe. The 2019 Bank Regulation and Supervision Survey maintained by the World Bank (see, e.g., Cihak, Demirgüç-Kunt, Peria, and Mohseni-Cheraghlou, 2013) provides a useful overview. Although heterogeneity in the specifics is present, the involvement of political authorities (e.g., the Head of State, Parliament) is observed across the board, justified by the legal responsibility of these supervisors towards public bodies. The procedures are invariably highly formalized and aimed at ensuring independence from political contingencies. In some instances, like Germany or the United Kingdom, appointments are made after hearing the recommendation of external experts. Term length (in years) generally ranges between five and seven years (except for Germany, where no maximum duration is defined), and in most countries only one or two terms are allowed. The power to dis-

\textsuperscript{3}However, a large literature investigates the value for financial firms of having personal relationships with the public administration. For instance, Acemoglu, Johnson, Kermani, Kwak, and Mitton (2016) shows that financial firms connected with Timothy Geithner experienced positive abnormal returns around the announcement of his nominee as Treasury Secretary. Lambert (2019) finds that lobbying banks are less likely to become subject to enforcement actions by their supervisors.
miss executive board members—though severely restricted to particular causes—lies with political authorities as well. Numerous supervisory authorities prevent executives from seeking employment in supervised banks after the end of their term through cooling-off periods, which effectively limits the revolving door.\footnote{See Frisell, Roszbach, and Spagnolo (2009), who also provide a comprehensive on the governance of central banks, which in most countries hold banking supervisory powers.} By contrast, restrictions on the reverse revolving door, i.e., on the appointment of executives with a banking industry background, are hardly found.

Against this backdrop and abstracting from intrinsic skill differences driven by self-selection into regulation or banking, the effect of the appointment of an individual crucially hinges on his/her proximity to supervised entities (bias, for brevity) as well as on his/her technical knowledge about the banking sector and its regulation (competency, for brevity).

The personal and institutional connections established by an individual during his/her career could interfere with his/her supervisory “style”. Although not necessarily representing cronyism, these connections may be conducive to regulatory capture, i.e., to decisions biased in favor of incumbents institutions (e.g., provision of private information, preferential treatment, etc.). Appointment of supervisors with close ties to the banking sector should be met with a positive reaction by bank investors.

Supervisors’ competency helps effectively design and enforce rules on inherently complex matters. However, such knowledge may also translate into more timely detection and sanctioning of bank misbehavior. Put differently, the impact of supervisors’ competency cannot be evaluated ex ante in isolation, but it crucially depends on the characteristics of the banking market. If it is highly competitive, one can expect that supervisors’ competency will ceteris paribus overall benefit incumbent banks by preserving the efficiency of the system. By contrast, if the incumbent banks enjoy substantial (quasi-)rents, a regulator favoring competition and transparency will impose costs on such institutions (at least in the short-run), leading to a negative sector-level market reaction.

The interaction of supervisors’ bias and competency determines the net effect on bank value of an appointment, as measured by investors’ expectations. The mix of bias and competency, on average, is likely to vary with the background of the appointed professional. We are interested in teasing out such differences from investors’ expectations concerning bankers that turn to the regulatory sector as opposed to other supervisory staff members, a residual category typically comprising civil servants who rose through the ranks of the institution (or of the public administration) or academics. We hypothesize
that former bankers are more likely than other regulators to entertain personal relations with employees of supervised banks.

It is instead difficult to form a prior on the competency distribution of the two groups of appointees. Whereas former bankers probably have a better knowledge of supervised entities, regulators without banking experience may better understand regulatory issues if their background is in the public administration. Former academics might have a better view of the system as a whole.

We thus expect the bias channel to be largely muted for supervisors without a banking background. At the same time, the sign of the difference in average competency (whose effect is ex ante ambiguous, as argued above) across the two groups of supervisors is unclear. To sum up, we conjecture that the market will react more positively to the appointment of former bankers.

Going back to differences in skills across the candidate pools of banks and regulators, the state of the economy is an important factor (Bond and Glode, 2014; Lucca et al., 2014). Most skilled individuals may prefer the higher compensation generally offered by the banking sector, especially during boom periods. Yet, these dynamics are plausibly more relevant for positions below the ones we consider. Executive board seats are highly prestigious roles, for which power considerations may matter just as much as—or even more than—mere monetary rewards. Thus, it is possible that bankers with rich careers might even decide to move on to the regulator, in order to obtain a prestigious executive role at the supervisor. In other words, unlike for entry- or middle-level positions in supervision, “brain drain” towards banks may not play a major role at the very top level. Nonetheless, in the analysis below we inspect the role of the business cycle to insulate the effect of across-group differences in bias and competency from self-selection effects.

3 Data

We collect data on the characteristics and career paths of executive board members of National Central Banks (NCBs) and National Central Authorities (NCAs) in charge of banking supervision in Europe starting from 2002 until 2019. We focus on competent authorities from the ten largest economies that were part of the European Union as of 2002: Austria (AT), Belgium (BE), Germany (DE), Spain (ES), France (FR), United Kingdom (GB), Ireland (IE), Italy (IT), Netherlands (NL), and Sweden (SE). Appendix Table A.1 provides the list of national supervisory institutions included in our sample. For most countries (e.g., Italy and France), only one institution supervises the banking sector,
but in others the duty is shared between two institutions (Austria, Germany, and the United Kingdom). We construct a comprehensive dataset on all the executive directors serving on the board of the covered supervisory institutions by manually collecting their career paths from CVs. The final sample features 190 directorships at 14 institutions, resulting in 1,255 director-year observations.

For each director, we retrieve information on the appointment by using the Bloomberg Professional Service (BPS) news search function, which includes news from different sources, such as newspapers, official press releases from central banks, and a proprietary news service. In this way, we are able to precisely determine the date (and the time of the day) when each appointment was announced to the market. Importantly, executive appointments are usually disclosed well in advance relative to the effective starting date, and in some cases on non-trading dates. Therefore, we check if a given announcement took place before or after market closing and/or during non-trading days.

As a result, we are able to identify the announcement dates of 124 appointments. Of these, 29 relate to the head of the executive body and 95 relate to other executive board members. In several instances, supervisory institutions appoint more than one executive at the same time. We exclude such multiple appointments from the analysis, because market reaction to them will reflect the heterogeneity in the background of the new directors, making it impossible to disentangle the impact of a specific type of career path (e.g., if one the same day a former banker and an academic are appointed). After this sample restriction, we are left with 74 announcements in our baseline specification (Table 4, columns 4 to 7): 33 appointments of directors with previous experience in the finance industry, and 41 without such experience. Among the former, we are able to identify 13 announcements in which the director has a direct link to one of the listed banks included in our sample.

To construct the bank sample, we start from the list of supervised entities under SSM as of year 2019 and the list of other systemically important institutions (O-SIIs) maintained by the European Banking Authority as of year 2019. Because the empirical analysis revolves around an event study around the relevant director appointment dates, we then select listed banks among them.\(^5\) We then restrict the sample to those banks for which we could find information on the board of directors in BoardEx, bank accounting

\(^5\)This admittedly introduces a sample bias, because only few and generally large banks are public in Europe (with the partial exception of the United Kingdom). We thus typically estimate the effect of top regulators’ appointments on value from the perspective of dominant players in their economies. Therefore, based on the discussion in Section 2, it is plausible that highly competent regulators oriented towards introducing more competition in the banking system affect negatively these banks.
data in Bureau van Dijk Bankscope and Bankfocus, and stock market data in BPS. We also collect bank credit default swap (CDS) market data from BPS (complemented with Thomson Reuters Datastream). The final sample consists of 44 banks.

Country-level data on local sovereign credit spreads and macroeconomic conditions are from BPS and Thomson Reuters Datastream, respectively.

To conduct the event study, we merge our unique sample on announcement dates of executive directors with bank-level data. Any executive appointment event at any national supervisor is relevant for the banks that it supervises. For example: executive appointments at the Bank of Italy are relevant for Italian banks but not for other countries’ banks.

3.1 Summary statistics

Specific rules—as defined in bylaws and laws—and institutional culture govern and inform the operations of each supervisory authority, with ramifications on the selection of executive directors as well as on their activity. Before estimating the impact of director appointment on the value of supervised entities, we explore their prior experience and demographic traits across institutions and throughout time. For each individual, we observe his/her prior experience, education background, age, and gender.

Moreover, we examine how these characteristics change with the state of the business cycle. In this way, we obtain a prima facie assessment of the regulatory sector attractiveness relative to banking and get a sense of the across-sector differences in directors’ intrinsic skills.

By means of simple summary statistics, in Table 1 we draw a comparison of executive directors at supervisory authorities (Panel A) as opposed to those at supervised banks (Panel B). Most executive directors of supervisory authorities have prior public sector experience, but only 40.3% have experience in the private sector, while only 29.2% have prior management experience in the finance industry. The opposite holds for bank directors. Conditional on having private sector experience, 92.3% (= 37.2%/40.3%) of supervisors held positions in the finance sector, similarly to bank directors. The average director in regulation has held 3.3 positions before being appointed executive director or president of a national supervisor, a number considerably lower than the 15.2 spells of bank directors. The lower number of previous spells of regulators is not only a mechanical consequence of their more limited private sector experience, but it is likely to capture their lower inherent job mobility, which has been already documented by Lucca et al.

---

Note that for bank directors we do not observe several traits (e.g., the subject of university studies) because they are not provided by BoardEx.
(2014) in the US context. Indeed, the internal career path is frequent in the regulatory sector: 40.6% of directors in our sample held previous management positions below the board-level in the same institution. This is consistent with the intuition that a career in regulation requires accumulating highly specific human capital, which makes switching occupation particularly costly. A second factor favoring internal progressions (and low mobility) may relate to the risk preferences of professionals choosing to begin their career in regulation: these are arguably risk-averse individuals who highly value the job and income security offered by supervisory authorities.

Aggregate summary statistics may mask substantial variation across supervisory institutions and throughout time. Figure 1 visualizes such heterogeneity for management experience. Rising though the ranks is frequent among boards of supervisors from Austria, Belgium, Germany, Spain, Italy and Netherlands. This is especially striking for Banca d’Italia, where all but one of the executives had prior internal experience before appointment. With regards to prior private sector experience, this is more frequent in Austria, Germany, Spain, Great Britain, Netherlands and Sweden. In these countries, we observe that at least one executive had prior experience in the private sector. All in all, there appear to be relevant differences in director selection among countries: some—like France and Italy—show a strong bias towards public sector appointments, others—like Great Britain—exhibit more balanced boards in terms of prior experience. Nontrivial variation in the background of appointees is also present within institutions through time, but no clear pattern emerges in this case.

These statistics also provide an assessment of the reverse revolving door. Across all national supervisors, as noted above, 37.2% of executives have a background in the finance industry, which we can interpret as an upper bound for the magnitude of the phenomenon. Indeed, an earlier job in the finance industry could matter little if, for instance, it was an entry-level position held at very beginning of the executive’s career or it was in a non-bank financial institution (e.g., in asset management or insurance) not subject to the same supervisor. Thus, 29.2% of executives at supervisors that have prior management experience in the finance industry can be considered as a lower bound for the magnitude of the phenomenon. Managerial positions, instead, usually come with a dense network of personal connections likely to influence the executive’s supervisory conduct. We thus take the fraction of executives with prior managerial experience in the finance industry as a lower bound of the magnitude of the reverse revolving door. Figure 1 displays a prominent degree of heterogeneity across national supervisors. Executives with such an experience are almost invariably present in German, Spanish, British, Dutch,
and Swedish institutions, constituting between a fifth and half of those boards. And even for other countries’ institutions, executives with managerial experience in the finance industry are observed for relatively long periods, with the exception of the Central Bank of Ireland. Despite its simplicity, this analysis points to the importance of reverse revolving door at the top of banking supervision institutions.

Among executive directors at supervisory institutions, the most common education background is in economics or related subjects (69.6%), with a sizable minority whose highest degree is in law (29.4%). The highest degree is a Ph.D. for 52.2% of the individuals in supervision, as opposed to 14.5% of bankers. Cross-country differences in terms of education and academic background exist. For each country, Figure 2 visualizes the fraction of executive directors with an academic background (as proxied by holding a Ph.D. title) and of those with a finance background (as proxied by presence at least one spell in the finance industry in the CV) in supervisory institutions. In most countries, the former group exceeds the latter, with France being the notable exception.7 Moving to the subject of university studies, Figure 3 documents that executives with an economics background outnumber those that studied law in all covered institutions, except for France (Banque de France) and Germany (Deutsche Bundesbank and Bundesanstalt für Finanzdienstleistungsaufsicht).

With regards to demographic traits, executive directors are on average older (58.6 vs. 54.1 years) and more likely to be female (18.3% vs. 6.9%) in supervision than in banking. As shown in Figure 4, executives are oldest at Banca d’Italia and Banco de España, whereas most institutions exhibit an increasing trend in term of female board representation.

The state of the economy may influence the inflow of top officers at the institutions in our sample. Table 2 compares the characteristics of newly appointed executives at national supervisors (Panel A) and supervised banks (Panel B), distinguishing between non-recession (columns 1-4) and recession years (columns 5-8). New hires’ traits are remarkably stable throughout the cycle in banks. Differences are more marked in the case of national supervisors. Two observations are especially noteworthy: recession hires are more likely to be internal (61.3% vs. 32.7%) and less likely to have private sector experience (29.0% vs. 48.7%). This naïve evidence corroborates the conjecture that business cycle dynamics matter less for positions at the very top of supervisory and supervised

---

7None of the executives at Banque de France in our sample holds a Ph.D. title, but most of them are from so-called grandes écoles, i.e., elite schools. See, for instance, Céléri and Vallée (2019) for further details on the French education system in relation with the finance industry.
institutions than for below-executive level positions like those studied by Lucca et al. (2014). National supervisors do not appear to face more severe retention issues during boom periods, as an intake of less experienced directors would witness. If anything, and acknowledging the limits of a comparison based on few observable traits, the quality of the intake seems to worsen in recessions, when banking sector ought to be less appealing. In other words, the labor market dynamics theorized by Bond and Glode (2014) do not seem to extend to top executives, positions whose attractiveness is largely determined by the power and prestige they come with. This reduces concerns that any heterogeneity observed in market reactions to the appointment of executives of national supervisory institutions is purely the byproduct of unobservable time-variation in the skills of the candidate pool.

Finally, Table 3 reports summary statistics for the sample of supervised banks. Included banks are listed and generally large. We are able to observe CDS spreads for around 60% of the observations.

4 Results

We investigate how bank shareholders value the announcement of executive director appointments to the board of national supervisors by estimating pooled event study regressions of this form:

\[ r_{i,t} = \alpha + \sum_{\tau=-k}^{k} \beta_{\tau} \cdot 1_{\{c_{i},t-\tau\}} + \gamma \cdot r_{ES60,t} + \eta_{i} + \eta_{m} + \epsilon_{i,t}, \tag{1} \]

where \( r_{i,t} \) is the stock market return of bank \( i \) on trading day \( t \) (calendar time). \( 1_{\{c_{i},t-\tau\}} \) is an indicator variable equal to one if on trading day \( t-\tau \) an executive appointment is made by a supervisory authority of country \( c_{i} \), where bank \( i \) is based. \( k \) defines the width of the event window over which we estimate abnormal returns (ARs). In our preferred specification we set \( k = 5 \), but we also assess the sensitivity of estimates to narrower and wider windows. In complementary tests, we define indicators for more specific appointment events by conditioning on the work background of incoming executives.

To filter out the effect of market-wide fluctuations, we control for \( r_{ES60,t} \), the daily return on the Stoxx Europe 600 index. We then progressively saturate specification (1) with bank (\( \eta_{i} \)) and month-year (\( \eta_{m} \)) fixed effects, which account for time-invariant, unobservable differences across banks and for time-variation in macroeconomic conditions, respectively. We cluster standard errors at the bank level.
We are interested in estimating the set of parameters $\beta_\tau$, where $\tau = [-k, k]$. Each parameter estimate $\hat{\beta}_\tau$ measures the average AR across all events for day $\tau$ around the executive appointment: $\overline{\text{AR}}[\tau]$. We can compute the average cumulative AR (CAR) between day $\tau_1$ and day $\tau_2$ as $\overline{\text{CAR}}[\tau_1, \tau_2] = \sum_{\tau = \tau_1}^{\tau_2} \beta_\tau$. Note that ARs are defined relative to all periods outside of event windows between 2002 and 2019, which constitute the estimation window. In additional tests, we verify the robustness of our results to using a more restrictive definition of the estimation window.

It is worth noting that, except for the United Kingdom and Sweden, our sample comprises national supervisors from the eurozone between 2002 and 2019. Therefore, even if many of the covered national supervisors are NCBs, these are part of the Eurosystem and not directly in charge of monetary policy, whose responsibility is with the ECB. Bank stocks’ reactions to executive board appointments by such NCBs are unlikely to reflect concerns about future interest rate setting (or other levers of monetary policy), providing a credible measure of investors’ expectations about supervisory activities. To support this conjecture, we explore how market reactions to new executives change around the introduction of the SSM, which transferred supervisory powers from national supervisors to the ECB.

Table 4 shows coefficient estimates for equation (1), considering the whole sample of executive appointments. In columns 1 to 3, irrespective of the width of the event window, results suggest that executive appointments are met with significant negative event-day ARs averaging at around $-0.46\%$. A similar effect is observed on the subsequent trading day, with an estimated $\overline{\text{AR}}[+1]$ ranging between $-0.38\%$ and $-0.44\%$. However, once we control for the Stoxx Europe 600 return in column 4, only the finding on the event-day is confirmed, and with a slightly smaller magnitude of around $-0.38\%$. This result remains robust even after including bank and month-year fixed effects in columns 5 and 6. In none of the specifications, $\overline{\text{AR}}[-1]$ is statistically or economically significant, pointing to a lack of anticipation effects about the appointments, which corroborates the validity of our empirical setting. Moreover, $\overline{\text{CAR}}[-1, +1]$ is negative and statistically significant in each case, with a magnitude between $-0.90\%$ and $-0.54\%$.

The negative value impact of national supervisors’ executive appointments—though possibly just reflecting market participants’ increased uncertainty about the national su-

---

8NCBs generally have other functions, besides monetary policy and banking supervision (e.g., operating the payment system, providing banking services to public administration, etc.). However, we argue that bank stocks are most likely to react to information about supervision upon the appointment of a new executive, because other NCBs’ powers are either of limited relevance for supervised banks or come with relatively little discretion.
Supervisor’s future course of action—is hard to interpret. Pooling together all appointment events, indeed, is useful to confirm that this is relevant news for the market, but conflates the effects of executives’ bias and competency.

4.1 The reverse revolving door

To gain insights about the importance of the economic forces at play, we proceed by distinguishing appointments based on the background of the designated executive. Contrasting market reactions to appointments of individuals with a finance background against the others supplies an indication on the bank valuation effects of the reverse revolving door.

In Table 5, we separately re-estimate specification (1) for specific types of appointment. In columns 1 and 2, we only consider executives without prior experience in the finance sector (41 events). No matter the fixed effects structure included, the average event-day AR is negative and statistically significant at the 1%, and—though mitigated—the effect persists in the subsequent trading day. Similarly, Adams (2017) documents a negative market reaction to appointments of non-banker directors to the boards of Federal Reserve Banks in the US. \( \text{CAR}[-1,+1] \) ranges between \(-0.80\%\) and \(-0.90\\%\), and is also statistically significant at the 1% level. By contrast, in columns 3 and 4 we do not find any significant effect when we concentrate on executives with a finance background (33 events).

We further shed light on the economic magnitude of the revolving door phenomenon by investigating its overall impact on market capitalization. In this back-of-the-envelope exercise, we focus on the banks in our sample representing the French banking sector—BNP Paribas, Crédit Agricole, and Société Générale. For these three banks, the levels of cumulative abnormal returns imply a total loss in market capitalization of on average EUR 1 bln. per event over our sample period.

As argued in Section 2, the different market reaction to these two groups of executives likely reflects their different degrees of proximity towards supervised institutions (bias), as both groups bring to the table useful technical knowledge (competency). Hence, this is evidence consistent with the intuition that finance-related executives disgruntle less bank shareholders because they are expected to be more friendly. And it is even more remarkable, because, by looking at all executives with a significant finance background, we have considered a very broad definition of reverse revolving door. Put differently, many of these individuals could be “false positives”: for instance, they may have held only a low rank banking position at the very beginning of their career, with very lim-
ited repercussions on the supervisory style relative to peer executives without such an experience.

To better quantify the role of supervisory bias, in columns 5 and 6 we restrict the analysis to 13 appointments of executives who held a position in at least one the supervised bank in our sample. To ensure that we flesh out bias in the cleanest way, we impose that announcement days of those appointments are an event only for the 15 banks with a direct CV link, i.e., all other banks are assumed not to be affected. We uncover a positive and statistically reaction, with an estimated $\text{AR}[0]$ of around 0.47%. $\text{CAR}[−1,+1]$ is instead insignificant, suggesting that information is fully impounded into stock prices at disclosure. The reaction we find, while indicative of bias, is weaker than the one observed by Adams (2017) and Black and Dlugosz (2018) for appointments of banker directors to Federal Reserve Banks’ boards. This discrepancy in magnitude could relate to the different board structure and appointment rules of European and US supervisory authorities. The presence of bankers is ingrained in Federal Reserve Banks’ boards: three out of nine directors (Class A directors) are directly elected by member banks and represent their interest. In Europe, executive directors are usually nominated through a political process and not directly by the supervised banks, which could limit the ability of former bankers to influence supervisory decisions once designated.

4.2 The role of the business cycle

Abstracting from the possible existence of a competency differential between finance-related and other executives, the more negative value effect of the former may be explained by factors other than bias. The most prominent alternative explanation is that executives without a finance background have lower intrinsic skills, over and above their competency and bias. Oftentimes, as seen above, these are individuals that rose through the ranks of the national supervisors, so the skill differential may be traced back to the different quality of the candidate pools for junior positions in supervision as opposed to banking.

This story relates to inherently unobservable traits of executives. Therefore, we test it indirectly by building on the intuition that the candidate pool quality for jobs at national supervisors is countercyclical: in bad times, the attractiveness/availability of supervisory

---

9 Above we conjecture that on average this is probably not the case, because both types of executives contribute useful (yet different) know-how. Executives with a finance background have a better understanding of the inner working of supervised entities, whereas executives with a civil servant profile are more knowledgeable about the intricacies of the supervisory process.
positions relative to banking ones increases. In other words, were our findings driven by lower intrinsic skills of executives with a civil servant career track, we would expect market reactions to appointments to be less negative in recession than in other periods, due to the inflow of more skilled bankers.

In Table 6, we augment specification (1) with interaction terms of Appointment ($\tau$) indicators with a recession indicator defined at the country-year level. In each specification both event-day ARs and CARs are significantly lower in recessions, when the human capital flowing into the regulatory sector should be of higher quality. Such a recession effect is robust to controlling for stock market conditions as well as to bank and month-year fixed effects. Hence, this is at odds with the idea that the negative market reaction to non-finance-related executive appointments is driven by their lower intrinsic skills. Note that we see a higher share of internal hires and lower shares of hires with industry experience in recessions in Table 2. One explanation for this result could be that the negative returns that are associated with hires outside of people without a finance background are more pronounced because of an altered hiring policy in economically challenging times.

However, two caveats about this indirect analysis are in order. First, based on observable traits, we do not find evidence of an increased flow of finance specialists or, more generally, of professionals with diverse job experiences into executive boards of national supervisors, possibly because we only look at top jobs in supervision (see Table 2). In other words, the countercyclical pattern in hiring quality hypothesized by Bond and Glode (2014) is not clear in our dataset. But this does not necessarily invalidate our business cycle test, because the unobservable skills of new executives may well vary countercyclically. Second, the size of the sample of appointments made during recessions is limited. As a consequence, in Table 6 we do not distinguish directors based on their background, because that would greatly limit the statistical power of our tests and make them highly sensitive to single observations. Hence, we are not directly testing how the value of finance-related directors varies through the business cycle.

Despite these shortcomings, the more negative reaction to executives nominated during recessions provides support to the role of bias as a driver of the value differential between finance-related appointees and the others.

4.3 The role of the SSM

In Fall 2012, the Economic and Financial Affairs Council (ECOFIN) reached a landmark agreement that established the SSM. Under the agreement, banking supervision for sig-
significant banks—like all the banks in our sample except for the ones from Great Britain and Sweden—came under the direct supervision of the ECB, whereas national supervisory authorities maintained direct supervision, in collaboration with the ECB, over the remaining banks. The launch of the SSM provides us with a useful testing ground. A comparison of market reactions to executive appointments before and after the introduction of the SSM is informative about the extent to which our main results actually relate to the supervisory activity of the executives, or to other activities of which the institutions in our sample (mostly NCBs) are in charge. If market participants are concerned about banking supervision, our results should be driven by the pre-SSM period.

Table 7 reports coefficient estimates for specification (1) for the pre- (columns 1 and 2) and the post-SSM period (columns 3 and 4). To discriminate between the pre- and post-SSM period, we use two events: (i) the agreement on June 29, 2012 by Eurozone leaders on the establishment of the SSM (odd columns) or the (ii) the enforcement of the SSM on November 3, 2014 (even columns). We observe significantly negative $\overline{AR}[0]$ as well as $\overline{CAR}[-1,+1]$ for appointment made during the pre-SSM period. By contrast, the effect of appointments is generally insignificant in the post-SSM period. This findings corroborate the idea that, upon executive appointments by national supervisors, the market reactions pertain to expectations about supervisory stance rather than about other areas of activity of the executive board.

Moreover, the SSM can provide insights into supervisory bias and competency of executives, as it arguably constitutes a negative shock to the former, and a positive shock to the latter. Carletti, Dell’Ariccia, and Marquez (2020) theoretically show that central supervisors (like the ECB) are less reluctant to intervene because of lower intervention cost. There are at least two channels through which intervention costs are reduced and thus supervision would become stricter when shifting from national supervisors to a central supervisor. First, the central supervisor has more resources to allocate to supervision and a higher ability to attract and retain talented regulators. Second, regulatory capture and ability of supervised banks to influence the supervisor is impaired. Extant

---

10Significant banks are those with total assets above of EUR 30bln or above 20% of national GDP.

11The ECB supervisory board is composed by a Chair, a Vice-Chair and other four ECB representatives, plus one representative for each national supervisor of a member state. Within this board composition, a national supervisor has a limited ability to influence supervisory decisions. Moreover, according to Carletti et al. (2020), the internal governance of a central supervisor that coordinates local supervisors that implement its standards can create frictions in the information collection process. If central supervision is stricter for supervised banks, the local supervisor has less incentives to collect information under centralization because it fears that the information collected can be used to take an action that it dislikes.
evidence on banking supervision supports the prediction that switching from local to central supervisors implies stricter supervision. More specifically, Agarwal et al. (2014) uncover differences in supervisory intensity between local and central supervision in the US, illustrating that geographic proximity to the bank is associated with more lenient supervision. With regards to the European context, Fiordelisi, Ricci, and Stentella Lopes (2017) find that, anticipating stricter supervision under the SSM, significant banks shrank their balance sheets through deleveraging and decreased lending to a greater extent than less significant banks.

Executive appointments to the boards of national supervisors are of little use to tease out the value effect of the SSM and disentangle the role of bias and competency in supervision. To this end, we conduct a comprehensive event study of announcements related to SSM implementation. As in any regulatory event study, the major challenge is to insulate the effect of the regulatory shock of interest from that of other news disseminated around the same date (see, e.g., Schäfer, Schnabel, and Weder di Mauro, 2015; Bruno, Onali, and Schaeck, 2018). By means of an in-depth news search on BPS, we identify the 18 most relevant SSM-related announcements, starting from June 29, 2012, when the EU leaders agreed on the establishment of the SSM. The process ended when the SSM came into force on November 4, 2014.

Table 8 reports estimated bank stock market reactions for the identified events. Because the significance of $\overline{AR}[-1]$ for several events signals the presence of non-trivial anticipation and post-event effects, we focus on $\overline{CAR}[-1,+1]$ for the interpretation of the overall reception by investors. We start by looking at announcements related to the institutional architecture and procedures of the SSM. We detect positive and statistically significant CARs for the Vice President speech on the banking union (September 7, 2012), the landmark agreement on the establishment of the SSM (December 13, 2012), and the disclosure of the criteria adopted to identify significant banks (December 14, 2012). Negative and statistically significant CARs are obtained for the start of the ECB comprehensive assessment (October 23, 2013), the disclosure of the SSM regulatory framework (April 25, 2014), and the start of the SSM (November 4, 2014). The CARs suggest that at the beginning the stock market rewarded the implementation of a common architecture for banking supervision. The sentiment turned negative when the market perceived that regulation and supervision was going to be more intrusive under the ECB, thus entailing a cost for supervised banks. Such a shift in sentiment is broadly consistent with the

---

12We carefully check whether each of these announcement took place before or after the market close, and assign it to the relevant trading day accordingly.
intuition that a central supervisor tends to be less friendly towards banks.

With regards to the three events related to director appointments at the SSM (December 16, 2013; January 9, 2014; January 22, 2014), we find a positive and statistically significant $\text{CAR}[-1, +1]$ only for the appointment of four directors in the new Directorates General for supervision (January 9, 2014). Of these four directors, two had prior experience in the finance industry, which again is suggestive of a positive valuation effect of the reverse revolving door.

4.4 The consequences for debtholders

Bank debtholders are likely to be affected by composition of the national supervisor’s board, especially when that has an impact on bailout probabilities. To verify debtholders’ reaction to executive appointments, we look at bank-level credit risk, as measured by spreads on CDS spreads on senior unsecured debt (available for 34 banks). Provided that these CDS contracts are written on arm’s length, unsecured debt claims not protected by deposit insurance schemes, we expect to observe similar effects as those observed for bank stock returns.

Table 9 re-estimates equation (1) using daily change in CDS spreads as the dependent variable. To filter out market-wide fluctuations, besides including the Stoxx Europe 600 return in the specification, we also control for the credit spread paid by the sovereign issuer of the country where the bank is based. Anticipation and post-announcement effects in CDS spreads appear to be present, therefore we concentrate on the $\text{CAR}[-1, +1]$ to interpret market reactions. Columns 1 and 2 consider the whole sample of events. In line with the results of Table 4, $\text{CAR}[-1, +1]$ is statistically significant and ranges between 1.20% and 1.29%.

We then distinguish appointment events by the background of the executive. Evidence is supportive of the baseline findings in Table 5: $\text{CAR}[-1, +1]$ is significantly positive for appointments of executives without finance industry experience (columns 3 and 4), but marginally significant (or insignificant after the inclusion of month-year fixed effects) and economically small for finance-related executives (columns 5 and 6). The results on the appointments of executives that previously held a position in at least one of our supervised banks are also overall consistent with the stock return analysis (columns 7 and 8)
4.5 Further tests

To further verify the robustness of our main results, we re-estimate the baseline regressions using two alternative approaches.

First, we repeat the analysis of Tables 4 and 5 by performing an event study in event time. More specifically, we restrict the estimation window to 50 trading days before and after each announcement, which significantly reduces the number of no-news trading days in the sample. Results in Appendix Table A.3 are supportive of the main findings. The only relevant difference with respect to the baseline is that \( \text{CAR}_{-1,+1} \) turns insignificant when considering the whole sample of appointment announcements.

Second, we perform tests akin to those of Table 5, but including in the same specification two sets of appointment indicators: (i) for finance-related appointments, and (ii) for all other appointments. In this way, we can conveniently evaluate if the effects differ in a statistically significant way between the two types of appointments. Table A.4 reports the estimation results, which confirm that a negative and significant \( \Delta \text{AR}[0] \) is exclusively related to the designation of executives without a background in the finance industry. The average difference in CARs between finance-related and other appointments (\( \Delta \text{CAR}_{-1,+1} \)) is statistically significant and ranges between 0.53% to 0.79%.

5 Conclusion

The flow of workers between banks and their supervisory authorities has ramifications on the effectiveness of regulation design and enforcement, posing a trade-off between the cross-sector transfer of knowledge it favors, and the risk of regulatory capture personal connections may create. Available evidence is mostly US-based and focused on the (adverse) incentives induced by individuals moving from the supervisory sector to supervised banks. We contribute by shedding light on the opposite flow in Europe: bankers securing positions in supervisory institutions.

We assemble a comprehensive dataset on the careers of executive directors of national banking supervisory authorities from selected EU countries. We show that the reverse revolving door is prevalent for such top positions: around one executive out of three has prior experience in the finance industry, and many of them at managerial level.

We go on to infer the consequences of such a phenomenon for supervisory activity. To this end, we perform an event study on bank stock returns around appointments of executives to the board of the competent supervisory agency. The average market response is negative, but significantly more favorable when the selected executive has a
finance background. Further tests confirm that the force driving the positive differential effect of an industry connection is the proximity to supervised banks of those executives, rather than their financial know-how or intrinsic skills.

To sum up, former bankers are present across the board at the top of EU national banking supervisors. And market participants perceive their presence (and background) as a non-negligible determinant of supervisory activity. This evidence calls for further research on the impact of the reverse revolving door on actual supervisory actions and financial stability.
References


Fiordelisi, F., O. Ricci, and F. S. Stentella Lopes. 2017. The Unintended Consequences


Figure 1: Management experience in the boards of national banking supervisors

This figure shows what fraction of executive directors of national banking supervisors from selected EU countries has prior management experience between 2002 and 2019. The positive domain of the y-axis visualizes a decomposition of prior management experience into internal positions (light blue), public sector positions (dark blue), and any other position (grey). The positive domain of the y-axis visualizes a decomposition of prior management experience into finance sector positions (light red), private sector positions (light green), and any other position (grey). Both in the positive and negative domain of the y-axis positions are grouped in progressively more restrictive sets, so that, for instance, finance sector background is a subset of private sector experience, which in turn is a subset of management experience.
Figure 2: Academic background and finance industry background in executive boards of national banking supervisors

This figure shows what fraction of executive directors of national banking supervisors from selected EU countries has an academic (positive domain of the $y$-axis, in green) or a finance sector background (negative domain of the $y$-axis, in grey) between 2002 and 2019. A board member is categorized as having an academic background if he/she holds at least a Ph.D. title, whereas he/she is categorized as having a finance sector background if he/she had at least a position in a financial institution (also below management level).
Figure 3: Education background in executive boards of national banking supervisors
This figure shows what fraction of executive directors of national banking supervisors from selected EU countries has an education background in economics (positive domain of the y-axis, in brown) or law (negative domain of the y-axis, in green) between 2002 and 2019. A board member is categorized as having an education background in economics if he/she studied economics, finance, business, or completed an MBA program.
Figure 4: Demographic characteristics in executive boards of national banking supervisors
This figure shows the dynamics of selected demographic traits of executive directors of national banking supervisors from selected EU countries between 2002 and 2019. The red line indicates the share of female directors. The green line indicates the average age of newly appointed executive directors.
Table 1: Characteristics of executive directors
This table reports summary statistics on work experience, education, and demographic traits for a sample of executive directors serving on the board of national banking supervisors (Panel A) or supervised banks (Panel B) from selected EU countries between 2002 and 2019. Information on career paths refers to the positions held by each individual as of the time of appointment to the executive board. Refer to Appendix Table A.2 for variable definitions.

### Panel A: National supervisors

<table>
<thead>
<tr>
<th></th>
<th>N (1)</th>
<th>Mean (2)</th>
<th>S.D. (3)</th>
<th>p25 (4)</th>
<th>Median (5)</th>
<th>p75 (6)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Management experience</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prior management position</td>
<td>1,255</td>
<td>0.947</td>
<td>0.223</td>
<td>1.000</td>
<td>1.000</td>
<td>1.000</td>
</tr>
<tr>
<td>Prior management position in finance industry</td>
<td>1,255</td>
<td>0.239</td>
<td>0.427</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
</tr>
<tr>
<td>Prior management position in the same institution</td>
<td>1,255</td>
<td>0.406</td>
<td>0.491</td>
<td>0.000</td>
<td>0.000</td>
<td>1.000</td>
</tr>
<tr>
<td><strong>Public sector experience</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prior employment in the public sector</td>
<td>1,255</td>
<td>0.912</td>
<td>0.284</td>
<td>1.000</td>
<td>1.000</td>
<td>1.000</td>
</tr>
<tr>
<td>Prior management position in the public sector</td>
<td>1,255</td>
<td>0.722</td>
<td>0.448</td>
<td>0.000</td>
<td>1.000</td>
<td>1.000</td>
</tr>
<tr>
<td><strong>Private sector experience</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prior employment in the private sector</td>
<td>1,255</td>
<td>0.403</td>
<td>0.491</td>
<td>0.000</td>
<td>0.000</td>
<td>1.000</td>
</tr>
<tr>
<td>No. prior spells in the private sector</td>
<td>1,255</td>
<td>3.253</td>
<td>5.678</td>
<td>0.000</td>
<td>0.000</td>
<td>5.000</td>
</tr>
<tr>
<td>Prior employment in the finance industry</td>
<td>1,255</td>
<td>0.372</td>
<td>0.484</td>
<td>0.000</td>
<td>0.000</td>
<td>1.000</td>
</tr>
<tr>
<td>No. prior spells in the finance industry</td>
<td>1,255</td>
<td>0.917</td>
<td>1.565</td>
<td>0.000</td>
<td>0.000</td>
<td>1.000</td>
</tr>
<tr>
<td><strong>Education</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>1,162</td>
<td>0.696</td>
<td>0.460</td>
<td>0.000</td>
<td>1.000</td>
<td>1.000</td>
</tr>
<tr>
<td>Law</td>
<td>1,162</td>
<td>0.294</td>
<td>0.456</td>
<td>0.000</td>
<td>0.000</td>
<td>1.000</td>
</tr>
<tr>
<td>Holds a Ph.D.</td>
<td>1,255</td>
<td>0.522</td>
<td>0.500</td>
<td>0.000</td>
<td>1.000</td>
<td>1.000</td>
</tr>
<tr>
<td><strong>Demographics</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Age</td>
<td>1,170</td>
<td>58.563</td>
<td>7.679</td>
<td>53.000</td>
<td>59.000</td>
<td>64.000</td>
</tr>
<tr>
<td>Female</td>
<td>1,255</td>
<td>0.183</td>
<td>0.387</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
</tr>
</tbody>
</table>

### Panel B: Banks

<table>
<thead>
<tr>
<th></th>
<th>N (1)</th>
<th>Mean (2)</th>
<th>S.D. (3)</th>
<th>p25 (4)</th>
<th>Median (5)</th>
<th>p75 (6)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Management experience</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prior management position</td>
<td>4,861</td>
<td>0.985</td>
<td>0.120</td>
<td>1.000</td>
<td>1.000</td>
<td>1.000</td>
</tr>
<tr>
<td>Prior management position in finance industry</td>
<td>4,861</td>
<td>0.983</td>
<td>0.131</td>
<td>1.000</td>
<td>1.000</td>
<td>1.000</td>
</tr>
<tr>
<td>Prior management position in the same institution</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Public sector experience</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prior employment in the public sector</td>
<td>4,861</td>
<td>0.215</td>
<td>0.411</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
</tr>
<tr>
<td>Prior management position in the public sector</td>
<td>4,861</td>
<td>0.011</td>
<td>0.104</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
</tr>
<tr>
<td><strong>Private sector experience</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prior employment in the private sector</td>
<td>4,861</td>
<td>1.000</td>
<td>0.000</td>
<td>1.000</td>
<td>1.000</td>
<td>1.000</td>
</tr>
<tr>
<td>No. prior spells in the private sector</td>
<td>4,861</td>
<td>15.295</td>
<td>9.777</td>
<td>8.000</td>
<td>13.000</td>
<td>20.000</td>
</tr>
<tr>
<td>Prior employment in the finance industry</td>
<td>4,861</td>
<td>0.997</td>
<td>0.054</td>
<td>1.000</td>
<td>1.000</td>
<td>1.000</td>
</tr>
<tr>
<td>No. prior spells in the finance industry</td>
<td>4,861</td>
<td>13.283</td>
<td>8.383</td>
<td>7.000</td>
<td>12.000</td>
<td>18.000</td>
</tr>
<tr>
<td><strong>Education</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Law</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Holds a Ph.D.</td>
<td>4,861</td>
<td>0.144</td>
<td>0.352</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
</tr>
<tr>
<td><strong>Demographics</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Age</td>
<td>4,713</td>
<td>54.110</td>
<td>8.149</td>
<td>48.000</td>
<td>53.000</td>
<td>59.000</td>
</tr>
<tr>
<td>Female</td>
<td>4,855</td>
<td>0.069</td>
<td>0.254</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
</tr>
</tbody>
</table>
Table 2: Characteristics of newly appointed executive directors across the business cycle

This table reports summary statistics on work experience, education, and demographic traits for newly appointed executive directors (i.e., in the first year of their mandate) to the board of national banking supervisors (Panel A) or supervised banks (Panel B) from selected EU countries between 2002 and 2019, distinguishing appointments made in recession and non-recession times. Information on career paths refers to the positions held by each individual as of the time of appointment to the executive board. Recession times are identified at the country-year level, where a given country-year is classified as in recession if at least two quarters over the year displayed a negative growth of real GDP. Refer to Appendix Table A.2 for variable definitions.

### Panel A: National supervisors

<table>
<thead>
<tr>
<th>Management experience</th>
<th>Non-recession years</th>
<th>Recession years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior manag. pos.</td>
<td>N=113</td>
<td>N=31</td>
</tr>
<tr>
<td></td>
<td>Mean (2)</td>
<td>Mean (5)</td>
</tr>
<tr>
<td></td>
<td>S.D. (3)</td>
<td>S.D. (6)</td>
</tr>
<tr>
<td></td>
<td>Median (4)</td>
<td>Median (7)</td>
</tr>
<tr>
<td>Prior manag. pos. in fin. industry</td>
<td>0.929</td>
<td>0.968</td>
</tr>
<tr>
<td></td>
<td>0.258</td>
<td>0.180</td>
</tr>
<tr>
<td>Prior manag. pos. in same institution</td>
<td>0.327</td>
<td>0.613</td>
</tr>
<tr>
<td></td>
<td>0.471</td>
<td>0.495</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Public sector experience</th>
<th>Non-recession years</th>
<th>Recession years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior employment in the public sector</td>
<td>N=113</td>
<td>N=31</td>
</tr>
<tr>
<td></td>
<td>Mean (2)</td>
<td>Mean (5)</td>
</tr>
<tr>
<td></td>
<td>S.D. (3)</td>
<td>S.D. (6)</td>
</tr>
<tr>
<td></td>
<td>Median (4)</td>
<td>Median (7)</td>
</tr>
<tr>
<td>Prior employment in the private sector</td>
<td>0.903</td>
<td>0.903</td>
</tr>
<tr>
<td></td>
<td>0.298</td>
<td>0.301</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Private sector experience</th>
<th>Non-recession years</th>
<th>Recession years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior employment in the private sector</td>
<td>N=113</td>
<td>N=31</td>
</tr>
<tr>
<td>No. prior spells in the private sector</td>
<td>3.743</td>
<td>2.581</td>
</tr>
<tr>
<td></td>
<td>5.907</td>
<td>4.911</td>
</tr>
<tr>
<td>Prior employment in the finance industry</td>
<td>0.425</td>
<td>0.387</td>
</tr>
<tr>
<td></td>
<td>0.497</td>
<td>0.495</td>
</tr>
<tr>
<td>No. prior spells in the finance industry</td>
<td>1.150</td>
<td>0.677</td>
</tr>
<tr>
<td></td>
<td>1.764</td>
<td>1.045</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Education</th>
<th>Non-recession years</th>
<th>Recession years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td>N=104</td>
<td>N=25</td>
</tr>
<tr>
<td></td>
<td>Mean (2)</td>
<td>Mean (5)</td>
</tr>
<tr>
<td></td>
<td>S.D. (3)</td>
<td>S.D. (6)</td>
</tr>
<tr>
<td></td>
<td>Median (4)</td>
<td>Median (7)</td>
</tr>
<tr>
<td>Economics</td>
<td>0.702</td>
<td>0.800</td>
</tr>
<tr>
<td></td>
<td>0.460</td>
<td>0.408</td>
</tr>
<tr>
<td>Law</td>
<td>0.317</td>
<td>0.160</td>
</tr>
<tr>
<td></td>
<td>0.468</td>
<td>0.374</td>
</tr>
<tr>
<td>Holds a Ph.D.</td>
<td>0.487</td>
<td>0.355</td>
</tr>
<tr>
<td></td>
<td>0.502</td>
<td>0.486</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Demographics</th>
<th>Non-recession years</th>
<th>Recession years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age</td>
<td>N=100</td>
<td>N=27</td>
</tr>
<tr>
<td></td>
<td>Mean (2)</td>
<td>Mean (5)</td>
</tr>
<tr>
<td></td>
<td>S.D. (3)</td>
<td>S.D. (6)</td>
</tr>
<tr>
<td></td>
<td>Median (4)</td>
<td>Median (7)</td>
</tr>
<tr>
<td>Age</td>
<td>54.110</td>
<td>55.037</td>
</tr>
<tr>
<td></td>
<td>6.831</td>
<td>7.684</td>
</tr>
<tr>
<td>Female</td>
<td>0.265</td>
<td>0.226</td>
</tr>
<tr>
<td></td>
<td>0.444</td>
<td>0.425</td>
</tr>
</tbody>
</table>

### Panel B: Banks

<table>
<thead>
<tr>
<th>Management experience</th>
<th>Non-recession years</th>
<th>Recession years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior manag. pos.</td>
<td>N=664</td>
<td>N=134</td>
</tr>
<tr>
<td></td>
<td>Mean (2)</td>
<td>Mean (5)</td>
</tr>
<tr>
<td></td>
<td>S.D. (3)</td>
<td>S.D. (6)</td>
</tr>
<tr>
<td></td>
<td>Median (4)</td>
<td>Median (7)</td>
</tr>
<tr>
<td>Prior manag. pos. in fin. industry</td>
<td>0.985</td>
<td>1.000</td>
</tr>
<tr>
<td></td>
<td>0.122</td>
<td>0.190</td>
</tr>
<tr>
<td>Prior manag. pos. in same institution</td>
<td>0.989</td>
<td>0.955</td>
</tr>
<tr>
<td></td>
<td>0.102</td>
<td>0.208</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Public sector experience</th>
<th>Non-recession years</th>
<th>Recession years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior employment in the public sector</td>
<td>N=664</td>
<td>N=134</td>
</tr>
<tr>
<td>No. prior spells in the private sector</td>
<td>14.708</td>
<td>14.299</td>
</tr>
<tr>
<td></td>
<td>9.361</td>
<td>8.118</td>
</tr>
<tr>
<td>Prior employment in the finance industry</td>
<td>12.944</td>
<td>12.507</td>
</tr>
<tr>
<td></td>
<td>8.189</td>
<td>7.355</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Education</th>
<th>Non-recession years</th>
<th>Recession years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td>N=664</td>
<td>N=134</td>
</tr>
<tr>
<td></td>
<td>Mean (2)</td>
<td>Mean (5)</td>
</tr>
<tr>
<td></td>
<td>S.D. (3)</td>
<td>S.D. (6)</td>
</tr>
<tr>
<td></td>
<td>Median (4)</td>
<td>Median (7)</td>
</tr>
<tr>
<td>Economics</td>
<td>1.000</td>
<td>1.000</td>
</tr>
<tr>
<td></td>
<td>0.000</td>
<td>0.000</td>
</tr>
<tr>
<td>Law</td>
<td>0.133</td>
<td>0.119</td>
</tr>
<tr>
<td></td>
<td>0.339</td>
<td>0.325</td>
</tr>
<tr>
<td>Holds a Ph.D.</td>
<td>50.995</td>
<td>52.946</td>
</tr>
<tr>
<td></td>
<td>7.551</td>
<td>9.662</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Demographics</th>
<th>Non-recession years</th>
<th>Recession years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age</td>
<td>N=664</td>
<td>N=134</td>
</tr>
<tr>
<td></td>
<td>Mean (2)</td>
<td>Mean (5)</td>
</tr>
<tr>
<td></td>
<td>S.D. (3)</td>
<td>S.D. (6)</td>
</tr>
<tr>
<td></td>
<td>Median (4)</td>
<td>Median (7)</td>
</tr>
<tr>
<td>Age</td>
<td>50.000</td>
<td>52.946</td>
</tr>
<tr>
<td></td>
<td>7.551</td>
<td>9.662</td>
</tr>
<tr>
<td>Female</td>
<td>664</td>
<td>129</td>
</tr>
<tr>
<td></td>
<td>0.105</td>
<td>0.030</td>
</tr>
<tr>
<td></td>
<td>0.307</td>
<td>0.171</td>
</tr>
</tbody>
</table>

28
Table 3: Characteristics of supervised banks
This table reports summary statistics for a sample of listed banks from selected EU countries between 2002 and 2019. Refer to Appendix Table A.2 for variable definitions.

<table>
<thead>
<tr>
<th></th>
<th>N</th>
<th>Mean</th>
<th>S.D.</th>
<th>p25</th>
<th>Median</th>
<th>p75</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(1)</td>
<td>(2)</td>
<td>(3)</td>
<td>(4)</td>
<td>(5)</td>
<td>(6)</td>
</tr>
<tr>
<td><strong>Bank-level accounting information</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total assets (bln. EUR)</td>
<td>553</td>
<td>520.920</td>
<td>580.544</td>
<td>104.022</td>
<td>259.198</td>
<td>787.721</td>
</tr>
<tr>
<td>ROA (in %)</td>
<td>553</td>
<td>0.386</td>
<td>0.686</td>
<td>0.190</td>
<td>0.470</td>
<td>0.730</td>
</tr>
<tr>
<td>Regulatory Tier 1 ratio</td>
<td>553</td>
<td>11.194</td>
<td>3.796</td>
<td>8.000</td>
<td>10.790</td>
<td>13.300</td>
</tr>
<tr>
<td>Cost-to-income ratio</td>
<td>553</td>
<td>63.081</td>
<td>15.336</td>
<td>54.580</td>
<td>61.540</td>
<td>68.740</td>
</tr>
<tr>
<td>Impaired loans over total loans</td>
<td>553</td>
<td>0.051</td>
<td>0.055</td>
<td>0.016</td>
<td>0.034</td>
<td>0.064</td>
</tr>
<tr>
<td><strong>Bank-level market information</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stock return (in %)</td>
<td>132,784</td>
<td>0.008</td>
<td>2.256</td>
<td>-1.107</td>
<td>0.003</td>
<td>1.090</td>
</tr>
<tr>
<td>Stock returns volatility (30 day, in %)</td>
<td>132,351</td>
<td>34.777</td>
<td>23.316</td>
<td>20.765</td>
<td>28.867</td>
<td>41.127</td>
</tr>
<tr>
<td>Stock returns volatility (90 day, in %)</td>
<td>131,971</td>
<td>35.753</td>
<td>22.128</td>
<td>21.078</td>
<td>30.294</td>
<td>42.450</td>
</tr>
<tr>
<td>CDS spread</td>
<td>83,724</td>
<td>124.553</td>
<td>115.903</td>
<td>54.450</td>
<td>93.497</td>
<td>161.243</td>
</tr>
<tr>
<td><strong>Aggregate market information</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stoxx Europe 600 return (in %)</td>
<td>4,603</td>
<td>0.927</td>
<td>1.292</td>
<td>-0.561</td>
<td>0.054</td>
<td>0.656</td>
</tr>
<tr>
<td>Sovereign credit spread</td>
<td>35,669</td>
<td>1.464</td>
<td>1.228</td>
<td>0.601</td>
<td>1.249</td>
<td>2.119</td>
</tr>
</tbody>
</table>
Table 4: Bank value and national supervisors’ executive appointments

This table reports estimates regressions of bank stock returns on an indicator for days in which the national supervisor appoints an executive director. The dependent variable is the bank’s daily stock return. Appointment (+0) is an indicator variable equal to 1 if on a given day the bank’s national supervisor appoints an executive director, and 0 otherwise. The number of leads and lags of Appointment (+0), control variables, and fixed effects included in each specification are indicated below. Robust standard errors (in parentheses) are clustered by bank. Significance at the 10%, 5%, and 1% level is indicated by *, **, and *** respectively. CAR[−1,+1] is the average cumulative abnormal return between day −1 and day +1, computed as the sum of the coefficient estimates for Appointment (−1), Appointment (+0), and Appointment (+1). The p-value of the F-test of the null hypothesis that such a sum is equal to 0 is reported below. Refer to Appendix Table A.2 for variable definitions.

<table>
<thead>
<tr>
<th>Dependent variable:</th>
<th>Stock return (in %)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(1)</td>
</tr>
<tr>
<td>Appointment (−1)</td>
<td>0.008</td>
</tr>
<tr>
<td></td>
<td>(0.10)</td>
</tr>
<tr>
<td>Appointment (+0)</td>
<td>-0.463***</td>
</tr>
<tr>
<td></td>
<td>(0.10)</td>
</tr>
<tr>
<td>Appointment (+1)</td>
<td>-0.388***</td>
</tr>
<tr>
<td></td>
<td>(0.13)</td>
</tr>
<tr>
<td>Lags/leads</td>
<td>-1/+1</td>
</tr>
<tr>
<td>Stoxx Europe 600 return</td>
<td>X</td>
</tr>
<tr>
<td>Bank FE</td>
<td>X</td>
</tr>
<tr>
<td>Month-year FE</td>
<td></td>
</tr>
<tr>
<td>CAR[−1,+1]</td>
<td>-0.843</td>
</tr>
<tr>
<td>H0: CAR[−1,+1] = 0 (p-value)</td>
<td>0.001</td>
</tr>
<tr>
<td>No. appointments</td>
<td>77</td>
</tr>
<tr>
<td>No. bank-level events</td>
<td>298</td>
</tr>
<tr>
<td>Mean(y)</td>
<td>0.007</td>
</tr>
<tr>
<td>S.D.(y)</td>
<td>2.241</td>
</tr>
<tr>
<td>R²</td>
<td>0.000</td>
</tr>
<tr>
<td>N</td>
<td>152,949</td>
</tr>
</tbody>
</table>
Table 5: Bank value, national supervisors' executive appointments, and their background
This table reports estimates regressions of bank stock returns on indicators for days in which the national supervisor appoints an executive director with a certain work experience. The dependent variable is the bank’s daily stock return. Appointment, w/o fin. background (+0) is an indicator variable equal to 1 if on a given day the bank’s national supervisor appoints an executive director with no prior finance experience, and 0 otherwise. Appointment, with fin. background (+0) is an indicator variable equal to 1 if on a given day the bank’s national supervisor appoints an executive director with prior finance experience, and 0 otherwise. Appointment, with link to bank (+0) is an indicator variable equal to 1 if on a given day the bank’s national supervisor appoints an executive director who previously held a position at the bank, and 0 otherwise. The number of leads and lags of the appointment indicator variables, control variables, and fixed effects included in each specification are indicated below. Robust standard errors (in parentheses) are clustered by bank. Significance at the 10%, 5%, and 1% level is indicated by *, **, and *** respectively. CAR[−1, +1] is the average cumulative abnormal return between day −1 and day +1 around the event, computed as the sum of the coefficient estimates for the appointment indicator variable on days −1, +0, and +1. The p-value of the F-test of the null hypothesis that such a sum is equal to 0 is reported below. Refer to Appendix Table A.2 for variable definitions.

<table>
<thead>
<tr>
<th>Dependent variable:</th>
<th>Stock return (in %)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(1)</td>
</tr>
<tr>
<td>Appointment, w/o fin. background (−1)</td>
<td>0.091</td>
</tr>
<tr>
<td></td>
<td>(0.15)</td>
</tr>
<tr>
<td>Appointment, w/o fin. background (+0)</td>
<td>-0.633***</td>
</tr>
<tr>
<td></td>
<td>(0.15)</td>
</tr>
<tr>
<td>Appointment, w/o fin. background (+1)</td>
<td>-0.261*</td>
</tr>
<tr>
<td></td>
<td>(0.16)</td>
</tr>
<tr>
<td>Appointment, with fin. background (−1)</td>
<td>-0.189</td>
</tr>
<tr>
<td></td>
<td>(0.12)</td>
</tr>
<tr>
<td>Appointment, with fin. background (+0)</td>
<td>-0.116</td>
</tr>
<tr>
<td></td>
<td>(0.11)</td>
</tr>
<tr>
<td>Appointment, with fin. background (+1)</td>
<td>0.034</td>
</tr>
<tr>
<td></td>
<td>(0.09)</td>
</tr>
<tr>
<td>Appointment, with link to bank (−1)</td>
<td>-0.196</td>
</tr>
<tr>
<td></td>
<td>(0.19)</td>
</tr>
<tr>
<td>Appointment, with link to bank (+0)</td>
<td>0.465**</td>
</tr>
<tr>
<td></td>
<td>(0.23)</td>
</tr>
<tr>
<td>Appointment, with link to bank (+1)</td>
<td>-0.231</td>
</tr>
<tr>
<td></td>
<td>(0.25)</td>
</tr>
<tr>
<td>Lags/leads</td>
<td>-5/+5</td>
</tr>
<tr>
<td>Stoxx Europe 600 return</td>
<td>X</td>
</tr>
<tr>
<td>Bank FE</td>
<td>X</td>
</tr>
<tr>
<td>Month-year FE</td>
<td>X</td>
</tr>
<tr>
<td>CAR[−1, +1]</td>
<td>-0.803</td>
</tr>
<tr>
<td>H0: CAR[−1, +1] = 0 (p-value)</td>
<td>0.010</td>
</tr>
<tr>
<td>No. appointments</td>
<td>41</td>
</tr>
<tr>
<td>No. bank-level events</td>
<td>133</td>
</tr>
<tr>
<td>Mean(y)</td>
<td>0.008</td>
</tr>
<tr>
<td>S.D.(y)</td>
<td>2.256</td>
</tr>
<tr>
<td>R²</td>
<td>0.380</td>
</tr>
<tr>
<td>N</td>
<td>132,784</td>
</tr>
</tbody>
</table>
Table 6: Bank value and national supervisors’ executive appointments across the business cycle

This table reports estimates regressions of bank stock returns on indicators for days in which the national supervisor appoints an executive director, distinguishing between recession and non-recession periods. Appointment (+0) is an indicator variable equal to 1 if on a given the bank’s national supervisor appoints an executive director, and 0 otherwise. Such an variable is interacted with Recession, an indicator variable equal to 1 if real GDP growth is negative for at least two quarters in a given year for the country where the bank is based. The number of leads and lags of Appointment (+0), control variables, and fixed effects included in each specification are indicated below. Robust standard errors (in parentheses) are clustered by bank. Significance at the 10%, 5%, and 1% level is indicated by *, **, and ***, respectively. ∆CAR[−1,+1] is the difference between appointments made in recession and those made in non-recession times in terms of average cumulative abnormal return between day −1 and day +1 around the event, computed as the sum of the coefficient estimates for the interaction term on days −1, +0, and +1. The p-value of the F-test of the null hypothesis that such a difference is equal to 0 is reported below. Refer to Appendix Table A.2 for variable definitions.

<table>
<thead>
<tr>
<th>Dependent variable:</th>
<th>Stock return (in %)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(1)</td>
</tr>
<tr>
<td>Appointment (−1)</td>
<td>0.124</td>
</tr>
<tr>
<td></td>
<td>(0.07)</td>
</tr>
<tr>
<td>Appointment (+0)</td>
<td>0.059</td>
</tr>
<tr>
<td></td>
<td>(0.11)</td>
</tr>
<tr>
<td>Appointment (+1)</td>
<td>-0.267**</td>
</tr>
<tr>
<td></td>
<td>(0.11)</td>
</tr>
<tr>
<td>Appointment (−1) × Recession</td>
<td>-0.518</td>
</tr>
<tr>
<td></td>
<td>(0.33)</td>
</tr>
<tr>
<td>Appointment (+0) × Recession</td>
<td>-2.289***</td>
</tr>
<tr>
<td></td>
<td>(0.33)</td>
</tr>
<tr>
<td>Appointment (+1) × Recession</td>
<td>-0.529</td>
</tr>
<tr>
<td></td>
<td>(0.41)</td>
</tr>
<tr>
<td>Lags/leads</td>
<td>-1/+1</td>
</tr>
<tr>
<td>Recession</td>
<td>X</td>
</tr>
<tr>
<td>Stoxx Europe 600 return</td>
<td>X</td>
</tr>
<tr>
<td>Bank FE</td>
<td>X</td>
</tr>
<tr>
<td>Month-year FE</td>
<td>X</td>
</tr>
<tr>
<td>Ho0: ∆CAR[−1,+1] = 0 (p-value)</td>
<td>0.000</td>
</tr>
<tr>
<td>No. appointments</td>
<td>77</td>
</tr>
<tr>
<td>No. bank-level events</td>
<td>298</td>
</tr>
<tr>
<td>Mean(y)</td>
<td>2.241</td>
</tr>
<tr>
<td>S.D.(y)</td>
<td>0.001</td>
</tr>
<tr>
<td>R²</td>
<td>0.152,949</td>
</tr>
</tbody>
</table>

32
Table 7: Bank value and national supervisors’ executive appointments around the SSM introduction

This table reports estimates regressions of bank stock returns on an indicator for days in which the national supervisor appoints an executive director before and after the introduction of the SSM. The dependent variable is the bank’s daily stock return. Appointment (+0) is an indicator variable equal to 1 if on a given the bank’s national supervisor appoints an executive director, and 0 otherwise. The number of leads and lags of Appointment (+0), control variables, and fixed effects included in each specification are indicated below. Columns 1-2 (3-4) restrict the analysis to the pre-SSM (post-SSM) period. Odd columns identify the pre- and post-SSM period based on the date of the SSM agreement (June 29, 2012), whereas even columns refer to the date in which the SSM first came into force (November 3, 2014). Robust standard errors (in parentheses) are clustered by bank. Significance at the 10%, 5%, and 1% level is indicated by *, **, and ***, respectively. CAR[−1,+1] is the average cumulative abnormal return between day −1 and day +1, computed as the sum of the coefficient estimates for Appointment (−1), Appointment (+0), and Appointment (+1). The p-value of the F-test of the null hypothesis that such a sum is equal to 0 is reported below. Refer to Appendix Table A.2 for variable definitions.

<table>
<thead>
<tr>
<th>Dependent variable:</th>
<th>Stock return (in %)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pre-SSM</td>
</tr>
<tr>
<td>Appointment (−1)</td>
<td>0.012</td>
</tr>
<tr>
<td></td>
<td>(0.16)</td>
</tr>
<tr>
<td>Appointment (+0)</td>
<td>-0.453***</td>
</tr>
<tr>
<td></td>
<td>(0.12)</td>
</tr>
<tr>
<td>Appointment (+1)</td>
<td>-0.236</td>
</tr>
<tr>
<td></td>
<td>(0.15)</td>
</tr>
<tr>
<td>Lags/leads</td>
<td>-5/+5</td>
</tr>
<tr>
<td>Stoxx Europe 600 return</td>
<td>X</td>
</tr>
<tr>
<td>Bank FE</td>
<td>X</td>
</tr>
<tr>
<td>Sample split around:</td>
<td></td>
</tr>
<tr>
<td>SSM agreement</td>
<td>X</td>
</tr>
<tr>
<td>SSM enforcement</td>
<td></td>
</tr>
<tr>
<td>CAR[−1,+1]</td>
<td>-0.677</td>
</tr>
<tr>
<td>H0: CAR[−1,+1] = 0 (p-value)</td>
<td>0.037</td>
</tr>
<tr>
<td>No. appointments</td>
<td>43</td>
</tr>
<tr>
<td>No. bank-level events</td>
<td>160</td>
</tr>
<tr>
<td>Mean(y)</td>
<td>-0.014</td>
</tr>
<tr>
<td>S.D.(y)</td>
<td>2.427</td>
</tr>
<tr>
<td>R²</td>
<td>0.406</td>
</tr>
<tr>
<td>N</td>
<td>73,273</td>
</tr>
</tbody>
</table>
Table 8: Bank value and SSM-related events
This table reports estimates of bank stock market reaction to the most salient events that led to the introduction of the SSM. For each event, average abnormal returns at days $-1$, $0$, and $+1$ ($AR[-1]$, $AR[0]$, and $AR[+1]$) around the announcement date, as well as the average cumulative abnormal return between days $-1$, $0$, and $+1$ ($CAR[-1,+1]$) are reported. To obtain such estimates, separate event studies on bank daily stock returns have been conducted in the style of the event study baseline specification (Column 4 of Table 4). In each regression, we limit the sample to the two years around the respective event date. Robust standard errors (in parentheses) are clustered by bank. Significance at the 10%, 5%, and 1% level is indicated by *, **, and ***, respectively. Refer to Appendix Table A.2 for variable definitions.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>$AR[-1]$</th>
<th>$AR[0]$</th>
<th>$AR[+1]$</th>
<th>$CAR[-1,+1]$</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 29, 2012</td>
<td>Eurozone leaders agree on the establishment of the SSM.</td>
<td>-0.408</td>
<td>0.32</td>
<td>0.004</td>
<td>-0.083</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(0.341)</td>
<td>(0.608)</td>
<td>(0.994)</td>
<td>(0.924)</td>
</tr>
<tr>
<td>September 7, 2012</td>
<td>ECB Vice President speech at the Duisenberg School of Finance titled “Toward a European Banking Union”</td>
<td>1.447***</td>
<td>2.034***</td>
<td>1.017**</td>
<td>4.498***</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(0.000)</td>
<td>(0.001)</td>
<td>(0.027)</td>
<td>(0.000)</td>
</tr>
<tr>
<td>September 12, 2012</td>
<td>European Commission adopts two proposals for the establishment of the SSM.</td>
<td>1.307***</td>
<td>-0.728***</td>
<td>0.149</td>
<td>0.729</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(0.002)</td>
<td>(0.004)</td>
<td>(0.749)</td>
<td>(0.200)</td>
</tr>
<tr>
<td>December 13, 2012</td>
<td>ECOFIN reaches a landmark agreement on the establishment of the SSM.</td>
<td>1.048***</td>
<td>0.954**</td>
<td>-0.045</td>
<td>1.957***</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(0.000)</td>
<td>(0.030)</td>
<td>(0.852)</td>
<td>(0.010)</td>
</tr>
<tr>
<td>December 14, 2012</td>
<td>Disclosure of the criteria adopted by the ECB to identify significant banks.</td>
<td>0.956**</td>
<td>-0.044</td>
<td>0.815*</td>
<td>1.728**</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(0.030)</td>
<td>(0.858)</td>
<td>(0.074)</td>
<td>(0.041)</td>
</tr>
<tr>
<td>February 12, 2013</td>
<td>ECB Vice President speech at the Warwick Economics Summit titled “Financial Stability Risks, Monetary Policy and the Need for Macro-Prudential Policy”.</td>
<td>0.002</td>
<td>-1.361***</td>
<td>0.143</td>
<td>-0.619</td>
</tr>
<tr>
<td>September 12, 2013</td>
<td>EU parliament approves the EU bank supervision system.</td>
<td>1.248***</td>
<td>-0.322</td>
<td>-0.758**</td>
<td>0.168</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(0.010)</td>
<td>(0.131)</td>
<td>(0.034)</td>
<td>(0.749)</td>
</tr>
<tr>
<td>October 23, 2013</td>
<td>ECB starts comprehensive assessment in advance of its supervisory role.</td>
<td>-0.872**</td>
<td>-1.617***</td>
<td>1.075**</td>
<td>-1.413***</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(0.025)</td>
<td>(0.001)</td>
<td>(0.003)</td>
<td>(0.006)</td>
</tr>
<tr>
<td>December 16, 2013</td>
<td>Danièle Nouy appointed as Chair of the supervisory board.</td>
<td>0.279</td>
<td>0.019</td>
<td>-0.513</td>
<td>-0.215</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(0.293)</td>
<td>(0.950)</td>
<td>(0.401)</td>
<td>(0.722)</td>
</tr>
<tr>
<td>January 9, 2014</td>
<td>Four directors appointed in the new Directorate General for supervision.</td>
<td>1.346***</td>
<td>0.555</td>
<td>-0.723**</td>
<td>1.179**</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(0.000)</td>
<td>(0.163)</td>
<td>(0.017)</td>
<td>(0.021)</td>
</tr>
<tr>
<td>January 22, 2014</td>
<td>Sabine Lautenschläger appointed as Vice-Chair of the supervisory board.</td>
<td>-0.133</td>
<td>-0.625**</td>
<td>0.74</td>
<td>-0.017</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(0.626)</td>
<td>(0.098)</td>
<td>(0.105)</td>
<td>(0.978)</td>
</tr>
<tr>
<td>February 3, 2014</td>
<td>ECB makes progress with the Asset Quality Review (AQR) and confirms stress-test. parameters for comprehensive assessment.</td>
<td>0.003</td>
<td>1.296***</td>
<td>1.52***</td>
<td>0.247</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(0.99)</td>
<td>(0.000)</td>
<td>(0.000)</td>
<td>(0.623)</td>
</tr>
<tr>
<td>March 7, 2014</td>
<td>ECB appoints three representatives to the bank supervisory board.</td>
<td>0.136</td>
<td>-0.22</td>
<td>0.609*</td>
<td>0.525</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(0.726)</td>
<td>(0.345)</td>
<td>(0.057)</td>
<td>(0.376)</td>
</tr>
<tr>
<td>April 25, 2014</td>
<td>ECB publishes framework for SSM regulation.</td>
<td>-0.352</td>
<td>-0.892**</td>
<td>-0.328</td>
<td>-1.572***</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(0.299)</td>
<td>(0.000)</td>
<td>(0.094)</td>
<td>(0.001)</td>
</tr>
<tr>
<td>April 29, 2014</td>
<td>ECB says that capital gaps from AQR must be covered with CET1 instruments.</td>
<td>-0.329*</td>
<td>0.793**</td>
<td>-0.68**</td>
<td>-0.215</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(0.094)</td>
<td>(0.039)</td>
<td>(0.022)</td>
<td>(0.652)</td>
</tr>
<tr>
<td>July 17, 2014</td>
<td>ECB Vice President says strictness of ECB test not just about results.</td>
<td>0.975***</td>
<td>-0.692***</td>
<td>0.087</td>
<td>0.369</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(0.007)</td>
<td>(0.001)</td>
<td>(0.736)</td>
<td>(0.392)</td>
</tr>
<tr>
<td>October 27, 2014</td>
<td>ECB discloses results of the AQR exercise and identifies banks that need further actions.</td>
<td>1.712***</td>
<td>-0.766*</td>
<td>-0.144</td>
<td>0.803</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(0.000)</td>
<td>(0.069)</td>
<td>(0.555)</td>
<td>(0.113)</td>
</tr>
<tr>
<td>November 4, 2014</td>
<td>SSM starts.</td>
<td>-0.246</td>
<td>0.187</td>
<td>-1.778***</td>
<td>-1.836***</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(0.654)</td>
<td>(0.605)</td>
<td>(0.000)</td>
<td>(0.028)</td>
</tr>
</tbody>
</table>
Table 9: Bank debt value and national supervisors’ executive appointments

This table reports estimates regressions of changes in CDS spreads on an indicator for days in which the national supervisor appoints an executive director. The dependent variable is the bank’s daily change in spreads on 5-year CDS contracts written on senior unsecured debt. Appointment (+0) is an indicator variable equal to 1 if on a given the bank’s national supervisor appoints an executive director, and 0 otherwise. Appointment, w/o fin. background (+0) is an indicator variable equal to 1 if on a given day the bank’s national supervisor appoints an executive director with no prior finance experience, and 0 otherwise. Appointment, with fin. background (+0) is an indicator variable equal to 1 if on a given day the bank’s national supervisor appoints an executive director with prior finance experience, and 0 otherwise. Appointment, with link to bank (+0) is an indicator variable equal to 1 if on a given day the bank’s national supervisor appoints an executive director who previously held a position at the bank, and 0 otherwise. The number of leads and lags of the appointment indicator variables, control variables, and fixed effects included in each specification are indicated below. Robust standard errors (in parentheses) are clustered by bank. Significance at the 10%, 5%, and 1% level is indicated by *, **, and ***, respectively. \text{CAR}\_\_{-1,+1} is the average cumulative abnormal CDS spread change between day −1 and day +1 around the event, computed as the sum of the coefficient estimates for the appointment indicator variable on days −1, +0, and +1. The p-value of the \( F \)-test of the null hypothesis that such a sum is equal to 0 is reported below. Refer to Appendix Table A.2 for variable definitions.

<table>
<thead>
<tr>
<th>Dependent variable: ΔCDS spread</th>
<th>(1)</th>
<th>(2)</th>
<th>(3)</th>
<th>(4)</th>
<th>(5)</th>
<th>(6)</th>
<th>(7)</th>
<th>(8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appointment (−1)</td>
<td>0.473**</td>
<td>0.438*</td>
<td>(2.23)</td>
<td>(1.96)</td>
<td>0.549*</td>
<td>0.514*</td>
<td>(1.83)</td>
<td>(1.70)</td>
</tr>
<tr>
<td>Appointment (+0)</td>
<td>0.264</td>
<td>0.250</td>
<td>(1.09)</td>
<td>(0.95)</td>
<td>0.687</td>
<td>0.730*</td>
<td>(1.65)</td>
<td>(1.73)</td>
</tr>
<tr>
<td>Appointment, w/o fin. background (−1)</td>
<td>0.633</td>
<td>0.747</td>
<td>(1.19)</td>
<td>(1.36)</td>
<td>0.394*</td>
<td>0.509**</td>
<td>(1.89)</td>
<td>(2.08)</td>
</tr>
<tr>
<td>Appointment, w/o fin. background (+0)</td>
<td>0.448</td>
<td>0.243</td>
<td>(1.54)</td>
<td>(0.90)</td>
<td>0.126</td>
<td>-0.035</td>
<td>(0.26)</td>
<td>(-0.06)</td>
</tr>
<tr>
<td>Appointment, with fin. background (−1)</td>
<td>0.227</td>
<td>0.104</td>
<td>(1.06)</td>
<td>(0.54)</td>
<td>0.264</td>
<td>0.250</td>
<td>(1.09)</td>
<td>(0.95)</td>
</tr>
<tr>
<td>Appointment, with fin. background (+0)</td>
<td>0.448</td>
<td>0.243</td>
<td>(1.54)</td>
<td>(0.90)</td>
<td>0.126</td>
<td>-0.035</td>
<td>(0.26)</td>
<td>(-0.06)</td>
</tr>
<tr>
<td>Appointment, with fin. background (+1)</td>
<td>0.126</td>
<td>-0.035</td>
<td>(0.26)</td>
<td>(-0.06)</td>
<td>0.264</td>
<td>0.250</td>
<td>(1.09)</td>
<td>(0.95)</td>
</tr>
<tr>
<td>Appointment of a director with link to bank (−1)</td>
<td>1.334***</td>
<td>1.389**</td>
<td>(3.01)</td>
<td>(2.72)</td>
<td>-0.363</td>
<td>-0.299</td>
<td>(-0.90)</td>
<td>(-0.88)</td>
</tr>
<tr>
<td>Appointment of a director with link to bank (+0)</td>
<td>-0.185</td>
<td>-0.027</td>
<td>(-0.38)</td>
<td>(-0.07)</td>
<td>1.334***</td>
<td>1.389**</td>
<td>(3.01)</td>
<td>(2.72)</td>
</tr>
<tr>
<td>Appointment of a director with link to bank (+1)</td>
<td>-0.185</td>
<td>-0.027</td>
<td>(-0.38)</td>
<td>(-0.07)</td>
<td>1.334***</td>
<td>1.389**</td>
<td>(3.01)</td>
<td>(2.72)</td>
</tr>
<tr>
<td>Lags/leads</td>
<td>-5/+5</td>
<td>-5/+5</td>
<td>-5/+5</td>
<td>-5/+5</td>
<td>-5/+5</td>
<td>-5/+5</td>
<td>-5/+5</td>
<td>-5/+5</td>
</tr>
<tr>
<td>Stoxx Europe 600 return</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Sovereign credit spread</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Bank FE</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Month-year FE</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>\text{CAR}__{-1,+1}</td>
<td>1.286</td>
<td>1.202</td>
<td>1.714</td>
<td>1.986</td>
<td>0.801</td>
<td>0.312</td>
<td>0.786</td>
<td>1.062</td>
</tr>
<tr>
<td>( H_0 ): \text{CAR}__{-1,+1} _ _ = 0 (p-value)</td>
<td>0.001</td>
<td>0.006</td>
<td>0.028</td>
<td>0.022</td>
<td>0.056</td>
<td>0.539</td>
<td>0.177</td>
<td>0.015</td>
</tr>
<tr>
<td>No. appointments</td>
<td>69</td>
<td>69</td>
<td>38</td>
<td>38</td>
<td>38</td>
<td>31</td>
<td>31</td>
<td>10</td>
</tr>
<tr>
<td>No. bank-level events</td>
<td>167</td>
<td>167</td>
<td>87</td>
<td>87</td>
<td>87</td>
<td>80</td>
<td>80</td>
<td>12</td>
</tr>
<tr>
<td>Mean(( y ))</td>
<td>0.010</td>
<td>0.010</td>
<td>0.010</td>
<td>0.010</td>
<td>0.010</td>
<td>0.010</td>
<td>0.010</td>
<td>0.010</td>
</tr>
<tr>
<td>( R^2 )</td>
<td>0.088</td>
<td>0.106</td>
<td>0.088</td>
<td>0.106</td>
<td>0.088</td>
<td>0.106</td>
<td>0.088</td>
<td>0.106</td>
</tr>
<tr>
<td>( N )</td>
<td>83,724</td>
<td>83,724</td>
<td>83,724</td>
<td>83,724</td>
<td>83,724</td>
<td>83,724</td>
<td>83,724</td>
<td>83,724</td>
</tr>
</tbody>
</table>
Appendix for
“Reverse Revolving Doors in the Supervision of European Banks”
Table A.1: List of national supervisors
This table lists the national supervisors included in the sample, together with the time span, the number of distinct executive directors, and the number of executive-years available for each of them.

<table>
<thead>
<tr>
<th>Country</th>
<th>Institution</th>
<th>First year</th>
<th>Last year</th>
<th>No. executives</th>
<th>No. executive-years</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT</td>
<td>Österreichische Nationalbank</td>
<td>2002</td>
<td>2019</td>
<td>13</td>
<td>120</td>
</tr>
<tr>
<td>AT</td>
<td>Financial Market Authority</td>
<td>2002</td>
<td>2019</td>
<td>4</td>
<td>37</td>
</tr>
<tr>
<td>BE</td>
<td>Nationale Bank van België</td>
<td>2002</td>
<td>2019</td>
<td>14</td>
<td>91</td>
</tr>
<tr>
<td>DE</td>
<td>Deutsche Bundesbank</td>
<td>2002</td>
<td>2019</td>
<td>20</td>
<td>135</td>
</tr>
<tr>
<td>DE</td>
<td>Bundesanstalt für Finanzdienstleistungsaufsicht</td>
<td>2002</td>
<td>2019</td>
<td>14</td>
<td>126</td>
</tr>
<tr>
<td>ES</td>
<td>Banco de España</td>
<td>2004</td>
<td>2019</td>
<td>20</td>
<td>182</td>
</tr>
<tr>
<td>GB</td>
<td>Bank of England</td>
<td>2002</td>
<td>2019</td>
<td>16</td>
<td>77</td>
</tr>
<tr>
<td>GB</td>
<td>Prudential Regulation Authority</td>
<td>2012</td>
<td>2019</td>
<td>13</td>
<td>52</td>
</tr>
<tr>
<td>GB</td>
<td>Financial Services Authority</td>
<td>2002</td>
<td>2013</td>
<td>14</td>
<td>57</td>
</tr>
<tr>
<td>FR</td>
<td>Banque de France</td>
<td>2002</td>
<td>2019</td>
<td>9</td>
<td>58</td>
</tr>
<tr>
<td>IE</td>
<td>Central Bank of Ireland</td>
<td>2007</td>
<td>2019</td>
<td>9</td>
<td>44</td>
</tr>
<tr>
<td>IT</td>
<td>Banca d’Italia</td>
<td>2002</td>
<td>2019</td>
<td>15</td>
<td>79</td>
</tr>
<tr>
<td>NL</td>
<td>De Nederlandsche Bank</td>
<td>2002</td>
<td>2019</td>
<td>13</td>
<td>85</td>
</tr>
<tr>
<td>SE</td>
<td>Sveriges Riksbank</td>
<td>2002</td>
<td>2019</td>
<td>16</td>
<td>112</td>
</tr>
</tbody>
</table>
Table A.2: Definition of variables

<table>
<thead>
<tr>
<th>Variable</th>
<th>Databases</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bank data</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cost-to-income ratio</td>
<td>Bankscope and Orbis, Bank Focus</td>
<td>Non-interest expenses over the sum of net interest income and other operating income</td>
</tr>
<tr>
<td>Impaired loans over total loans</td>
<td>Bankscope and Orbis, Bank Focus</td>
<td>Ratio of impaired loans over total loans</td>
</tr>
<tr>
<td>Regulatory Tier 1 ratio</td>
<td>Bankscope and Orbis, Bank Focus</td>
<td>Ratio of tier 1 regulatory capital over risk weighted assets</td>
</tr>
<tr>
<td>ROA</td>
<td>Bankscope and Orbis, Bank Focus</td>
<td>Return on average assets</td>
</tr>
<tr>
<td>Total assets</td>
<td>Bankscope and Orbis, Bank Focus</td>
<td>Book value of total assets</td>
</tr>
<tr>
<td><strong>Event study data</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appointment</td>
<td>Bloomberg</td>
<td>Indicator equal to one on the day of an announcement of a new executive director appointment at a supervisory institution in the home country of the bank</td>
</tr>
<tr>
<td>Appointment, w/o fin. background</td>
<td>Bloomberg and manually collected</td>
<td>Indicator equal to one on the day of an announcement of a new executive director appointment at a supervisory institution in the home country of the bank, whereas the new executive director has no prior finance industry experience</td>
</tr>
<tr>
<td>Appointment, with fin. background</td>
<td>Bloomberg and manually collected</td>
<td>Indicator equal to one on the day of an announcement of a new executive director appointment at a supervisory institution in the home country of the bank, whereas the new executive director has prior finance industry experience</td>
</tr>
<tr>
<td>Appointment, with link to bank</td>
<td>Bloomberg and manually collected</td>
<td>Indicator equal to one on the day of an announcement of a new executive director appointment at a supervisory institution in the home country of the bank, whereas the new executive director has a link through her CV to the bank in the same country</td>
</tr>
<tr>
<td>CDS spread</td>
<td>Bloomberg and Datas-stream</td>
<td>Bank CDS spread</td>
</tr>
<tr>
<td>Stocxx Europe 600 return</td>
<td>Bloomberg</td>
<td>Return of Stocxx Europe 600 stock market index</td>
</tr>
<tr>
<td>Recession</td>
<td>Own calculations</td>
<td>Indicator equal to one if an economy experienced two quarters of negative growth in GDP</td>
</tr>
<tr>
<td>Sovereign credit spread</td>
<td>Bloomberg</td>
<td>Difference between sovereign yield and reference rate</td>
</tr>
<tr>
<td>Stock return</td>
<td>Bloomberg</td>
<td>Stock return</td>
</tr>
<tr>
<td>Stock returns volatility</td>
<td>Bloomberg</td>
<td>Standard deviation of stock returns</td>
</tr>
</tbody>
</table>
Table A.3: Bank value and national supervisors’ executive appointments (in event time)

This table reports estimates event-time regressions of bank stock returns on an indicator for days in which the national supervisor appoints an executive director. The dependent variable is the bank’s daily stock return. *Appointment* (+0) is an indicator variable equal to 1 if on a given day the bank’s national supervisor appoints an executive director, and 0 otherwise. *Appointment, w/o fin. background* (+0) is an indicator variable equal to 1 if on a given day the bank’s national supervisor appoints an executive director with no prior finance experience, and 0 otherwise. *Appointment, with fin. background* (+0) is an indicator variable equal to 1 if on a given day the bank’s national supervisor appoints an executive director with prior finance experience, and 0 otherwise. *Appointment, with link to bank* (+0) is an indicator variable equal to 1 if on a given day the bank’s national supervisor appoints an executive director who previously held a position at the bank, and 0 otherwise. The number of leads and lags of the appointment indicator variables, control variables, and fixed effects included in each specification are indicated below. The estimation sample is restricted to the window of [−50, +50] days around each appointment event, and excludes events exhibiting overlapping windows. Robust standard errors (in parentheses) are clustered by bank. Significance at the 10%, 5%, and 1% level is indicated by *, **, and ***, respectively. CAR[−1, +1] is the average cumulative abnormal stock return of the null hypothesis that such a sum is equal to 0 is reported below. Refer to Appendix Table A.2 for variable definitions.

<table>
<thead>
<tr>
<th>Dependent variable:</th>
<th>Stock return (in %)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appointment (+0)</td>
<td>-0.306*** (-3.55)</td>
</tr>
<tr>
<td>Appointment, w/o fin. background (+0)</td>
<td>-0.660*** (-4.79)</td>
</tr>
<tr>
<td>Appointment, with fin. background (+0)</td>
<td>0.024 (0.23)</td>
</tr>
<tr>
<td>Appointment of a director with link to bank (+0)</td>
<td>0.511** (2.49)</td>
</tr>
<tr>
<td>Lags/leads -10/+10</td>
<td>X X X X</td>
</tr>
<tr>
<td>Stoxx Europe 600 return</td>
<td>X X X X</td>
</tr>
<tr>
<td>Bank FE</td>
<td>X X X X</td>
</tr>
<tr>
<td>CAR[−1, +1]</td>
<td>-0.329 -0.613 -0.126 0.743</td>
</tr>
<tr>
<td>H0: CAR[−1, +1] = 0 (p-value)</td>
<td>0.182 0.058 0.837 0.897</td>
</tr>
<tr>
<td>No. appointments</td>
<td>67 38 33 14</td>
</tr>
<tr>
<td>No. bank-level events</td>
<td>263 146 140 16</td>
</tr>
<tr>
<td>Mean(y)</td>
<td>-0.003 -0.026 0.029 -0.035</td>
</tr>
<tr>
<td>S.D.(y)</td>
<td>2.279 2.352 2.354 2.405</td>
</tr>
<tr>
<td>R²</td>
<td>0.363 0.344 0.402 0.545</td>
</tr>
<tr>
<td>N</td>
<td>23,536 13,378 13,495 1,556</td>
</tr>
</tbody>
</table>
Table A.4: Bank value, national supervisors’ executive appointments, and their background (joint estimation)

This table reports estimates regressions of bank stock returns on indicators for days in which the national supervisor appoints an executive director with a certain work experience. The dependent variable is the bank’s daily stock return. *Appointment, with fin. background (+0)* is an indicator variable equal to 1 if on a given day the bank’s national supervisor appoints an executive director with prior finance experience, and 0 otherwise. *Any other appointment (+0)* is an indicator variable equal to 1 if on a given day the bank’s national supervisor appoints an executive director and *Appointment, with fin. background (+0)= 0*, and 0 otherwise. The number of leads and lags of the appointment indicator variables, control variables, and fixed effects included in each specification are indicated below. Robust standard errors (in parentheses) are clustered by bank. Significance at the 10%, 5%, and 1% level is indicated by *, **, and ***, respectively. ∆CAR[−1, +1] is the difference between finance-related and other appointments in terms of average cumulative abnormal return between day −1 and day +1 around the event. The p-value of the F-test of the null hypothesis that such a difference is equal to 0 is reported below. Refer to Appendix Table A.2 for variable definitions.

<table>
<thead>
<tr>
<th>Dependent variable:</th>
<th>Stock return (in %)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(1)</td>
</tr>
<tr>
<td>Appointment, with fin. background (−1)</td>
<td>-0.190 (0.12)</td>
</tr>
<tr>
<td>Appointment, with fin. background (+0)</td>
<td>-0.118 (0.11)</td>
</tr>
<tr>
<td>Appointment, with fin. background (+1)</td>
<td>0.091 (0.15)</td>
</tr>
<tr>
<td>Any other appointment (−1)</td>
<td>0.091 (0.15)</td>
</tr>
<tr>
<td>Any other appointment (+0)</td>
<td>-0.634*** (0.15)</td>
</tr>
<tr>
<td>Any other appointment (+1)</td>
<td>-0.262* (0.16)</td>
</tr>
<tr>
<td>Lags/leads</td>
<td>-5/+5</td>
</tr>
<tr>
<td>Stoxx Europe 600 return</td>
<td>X</td>
</tr>
<tr>
<td>Bank FE</td>
<td>X</td>
</tr>
<tr>
<td>Month-year FE</td>
<td>X</td>
</tr>
<tr>
<td>∆CAR[−1, +1]</td>
<td>0.529</td>
</tr>
<tr>
<td>H₀: ∆CAR[−1, +1] = 0 (p-value)</td>
<td>0.073</td>
</tr>
<tr>
<td>No. appointments</td>
<td>74</td>
</tr>
<tr>
<td>No. bank-level events</td>
<td>258</td>
</tr>
<tr>
<td>Mean(y)</td>
<td>0.008</td>
</tr>
<tr>
<td>S.D.(y)</td>
<td>2.256</td>
</tr>
<tr>
<td>R²</td>
<td>0.380</td>
</tr>
<tr>
<td>N</td>
<td>132,784</td>
</tr>
</tbody>
</table>