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Incentives or Standards: What Determines Accounting Quality Changes around IFRS Adoption?

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ABSTRACT

We examine the impact of managerial financial reporting incentives on accounting quality changes around International Financial Reporting Standards (IFRS) adoption. A novel feature of our single-country setting based on Germany is that voluntary IFRS adoption was allowed and common before IFRS became mandatory. We exploit the revealed preferences in the choice to (not) adopt IFRS voluntarily to determine whether the management of individual firms had incentives to adopt IFRS. For comparability with previous studies, we assess accounting quality through multiple constructs such as earnings management, timely loss recognition, and value relevance. While most existing literature documents accounting quality improvements following IFRS adoption, we find that improvements are confined to firms with incentives to adopt, that is, voluntary adopters. We also find that firms that resist IFRS adoption have closer connections with banks and inside shareholders, consistent with lower incentives for more comprehensive accounting standards. The overall results indicate that reporting incentives dominate accounting standards in determining accounting quality. We conclude that it is unwarranted to infer from evidence on accounting quality changes around voluntary adoption that IFRS per se improves accounting quality.

1. Introduction

We examine whether accounting quality improvements around voluntary International Financial Reporting Standards¹ (IFRS) adoption can be attributed to the change in accounting standards per se. Following the mandatory adoption of IFRS in many regions of the world, much attention is being given to the association between accounting standards and accounting quality. Some prior studies document accounting quality improvements (e.g. Barth, Landsman, & Lang, 2008; Barth, Landsman, Lang, & Williams, 2006; Gassen & Sellhorn, 2006; Hung & Subramanyam, 2007) or favorable economic consequences (e.g. Kim & Shi, 2012; Kim, Tsui, & Yi, 2011; Wu & Zhang, 2009) around voluntary IFRS adoption. Yet, the extent to which we could expect the same improvement for firms forced to adopt remains an open question. By examining this question, we provide evidence on whether accounting standard regulations improve information in capital markets.

To isolate the effect of IFRS, we need a setting where we can identify managerial financial reporting incentives. Germany offers such a setting. Between 1998 and 2005, firms in Germany could choose to voluntarily adopt IFRS, and in 2005 compliance became

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anagement of such nagement of such firms against their will is ntries not allowing tween the underlying el firms that delayed

German accounting standards, according to the Handelsgesetzbuch (HGB), are generally perceived as lower quality than IFRS (e.g. Leuz & Verrecchia, 2000) given its code-law origin and insider orientation (Leuz & Wüstemann, 2004). One way to define the quality of accounting standards is in terms of quality of the financial statements prepared according to them, holding financial reporting incentives constant. We argue that reporting incentives among IFRS resisters are likely to stay constant around the time of adoption whereas this is unlikely to be the case for voluntary adopters (Leuz & Verrecchia, 2000), even if there are cross-sectional variations in reporting incentives within both groups (Daske, Hail, Leuz, & Verdi, 2013). Thus, in Germany we have an interesting setting where we are able to investigate the complex interaction between reporting incentives and accounting standards in determining accounting quality. In essence, the German setting allows us to test whether accounting quality improves when firms are forced to comply with what is generally perceived as higher quality accounting standards. Although the sample size is relatively small in our single-country setting, this is compensated by the fact that we are able to explicitly observe the voluntary adoption versus resistance choices of all firms. We are therefore able to partition firms according to their managers' perception of IFRS adoption based on revealed preferences, whereas prior research has relied on proxies for assumed benefits (Armstrong, Barth, Jagolinzer, & Riedl, 2010; Christensen, Lee, & Walker, 2007; Daske et al., 2013).

We examine three dimensions of accounting quality, namely, earnings management, timely loss recognition, and value relevance which are often used in studies on the effects of accounting standards on accounting quality (e.g. Barth et al., 2006, 2008; Gassen and Sellhorn, 2006; Hung and Subramanyam, 2007; Van Tendeloo & Vanstraelen, 2005). The first two constructs are especially relevant to our research question because they rely on managerial discretion and are therefore likely to be influenced by the reporting incentives of those preparing the financial statements.

Consistent with prior literature, we find that voluntary adoption of IFRS is associated with decreased earnings management, increased timely loss recognition, and increased value relevance. In stark contrast, we find little evidence of such accounting quality improvements for firms that are forced to adopt IFRS. The results suggest that adoption of IFRS does not necessarily lead to higher quality accounting, at least not when the preparers have no incentives to become more transparent in their reporting.

There are two potential explanations for these findings. First, the flexibility embedded in IFRS might render it ineffective in restricting earnings management of firms with low incentives to comply. Second, IFRS might not be sufficient to decrease earnings management, increase timely loss recognition, and increase value relevance. In this case, the observed accounting quality improvements for voluntary adopters could be driven by changes in reporting incentives of these firms around the time of their adoption. Although we are unable to distinguish between these explanations, they are both consistent with IFRS per se not increasing accounting quality even when firms' prior accounting standards are generally viewed as lower quality (a conclusion that is consistent with Daske et al., 2013).³

In further analysis, we attempt to gauge why some firms resist IFRS adoption. We show that these firms have closer relationships with banks and less demand for information from capital markets. These findings are consistent with prior literature and suggest that resisters have closer relationships with insiders. For such firms, financial reporting may primarily serve the purpose of contracting with known insiders rather than relatively anonymous outsiders. We argue that this could explain why these firms resist the costly adoption of IFRS because management sees no need to improve the transparency of reporting.

Throughout this paper, we follow the methodology of Barth et al. (2008). Barth et al. document accounting quality improvements around voluntary IFRS adoption, and is widely cited as evidence that IFRS increases accounting quality.⁴ Although the authors are careful in not attributing the accounting quality changes around voluntary IFRS adoption exclusively to the change in accounting standards, that caveat rarely makes it into papers that cite them. Our main contribution is to provide the counter evidence, which is strong, and hence reinforces the original caveat in Barth et al. In this sense, our paper is similar to Daske et al. (2013) that documents evidence that voluntary IFRS adoption entails few capital market benefits.

The key difference between our paper and Daske et al. (2013) is that we follow the methodology of Barth et al. (2008), capture IFRS adoption incentives through revealed preferences, and that we examine both voluntary and mandatory adopters using a single-country setting. By confining our analyses to a single-country sample, we avoid variations in institutional factors that may confound

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quality being driven by reporting incentives rather than accounting standards. They argue that such incentives are driven by the firms' institutional setting. Further, Ball and Shivakumar (2005) and Burgstahler, Hail, and Leuz (2006) show that earnings quality is lower for private than public firms despite applying the same accounting standards. Our contribution to this literature is to document that even among publicly listed firms within the same institutional setting, financial reporting incentives dominate accounting standards in determining accounting quality. In most countries, accounting standards are identical for all listed firms; yet, managerial financial reporting incentives are likely to vary. Our results suggest that the objective of improving accounting quality cannot be achieved for all firms by mandating higher quality accounting standards, because such attempts will have limited effect for firms without incentives to comply. This conclusion reinforces the conjectures in Ball (2006), caveats presented in Barth et al. (2008), and the conclusions in Daske et al. (2013).

The remainder of the paper is organized as follows. Section $\underline{2}$ describes the institutional setting in Germany. Section $\underline{3}$ provides the conceptual underpinnings and discusses prior findings. Section $\underline{4}$ explains the research design and the data sources. Section $\underline{5}$ presents the main empirical findings, sensitivity tests, and additional analyses. Section $\underline{6}$ concludes and discusses the caveats that inherently confound this and other studies that attempt to address the question of what determines accounting quality.

2. Institutional Setting in Germany

Germany is generally classified as a code-law country (e.g. Ball, Kothari, & Robin, 2000; La Porta, Lopez-de-Silanes, Shleifer, & Vishny, 1998; Leuz, Nanda, & Wysocki, 2003) with limited investor protection and an insider orientation (Leuz & Wüstemann, 2004). German accounting standards (HGB) traditionally emphasized legal form and catered to creditors (Nobes & Parker, 2004). Thus, from an equity market perspective, they were generally perceived as lower quality than IFRS (e.g. Gassen & Sellhorn, 2006; Leuz & Verrecchia, 2000).⁵

Interest in international accounting practices in Germany began in the late 1980s when German firms increasingly began to access international capital markets for external financing (Liener, 1995). Several key stakeholders of German firms, however, had strong reservations about IFRS, which they perceived could give rise to arbitrary judgements and subjective assessments (Heidhues & Patel, 2012). Such resistance is reflected in the formation of interest groups such as the Vereinigung zur Mitwirkung de Entwicklung des Bilanzrechts fuer Familiengesellschaften e.V. (VMEBF), whose official comment letters to the IASB provide examples of Germany's continued concerns towards IFRS.⁶

In terms of process, voluntary IFRS and US generally accepted accounting principles (GAAP) adoption began in the early 1990s as dual reporting. Under dual reporting, firms voluntarily prepared two sets of consolidated statements, one complying with the HGB and another complying with either IFRS or US GAAP. Starting in 1998, firms were no longer required to disclose the HGB's consolidated statements if they produced either IFRS' or US GAAP's consolidated statements (regulation KapEAG). The lack of required dual reporting and the introduction of stock exchange segments that required the application of either IFRS or US GAAP (Neuer Markt and later Prime Standards on the Frankfurt Stock Exchange) greatly increased the number of voluntary adopters.

In 2002, the EU formally implemented regulation that made IFRS mandatory for fiscal years ending on or after 31 December 2005 for most EU-listed firms, including those domiciled in Germany. Against this backdrop of choices available to German firms, 59% voluntarily adopted IFRS and 41% waited until 2005 when adoption became mandatory. 7

Because we can observe all German firms' actual accounting standard choices, we are able to accurately classify firms according to their managers' perception of IFRS. This allows for the analyses of a group of firms that perceives relatively greater benefits of IFRS and a group of firms that perceives relatively less benefits of IFRS. Thus, the German setting provides an opportunity to examine the interaction between accounting standards and reporting incentives.⁸

3. Concentual Underninnings and Prior literature

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areas in accounting research with direct policy implications. 9 Yet, exactly because of the policy relevance it is important that we as researchers are careful in drawing inferences based on our own evidence and when we cite prior work.

Conceptually there are reasons to be sceptical that the benefits documented around voluntary IFRS adoption can be attributed to the change in accounting standards. The early IAS, which voluntary adopters complied with prior to mandatory IFRS adoption, were compromises between delegations from up to 14 countries. The delegations, for the most part, had a policy of including free choice in IAS among the various national accounting rules that existed at the time (Zeff, 2012). The choices effectively gave firms the opportunity to continue using local accounting practices after adopting IAS. ¹⁰ The free choice in IAS 16 between the revaluation model and historical cost for property, plant, and equipment is one such example. The question is: how effective are such accounting standards in promoting accounting quality? It seems almost self-evident that it must depend on the reporting incentives of those adopting the standards.

3.1. Accounting Quality Changes around Voluntary IFRS Adoption

Despite the conceptual reasons to be sceptical of the ability of IFRS to improve accounting quality, Barth et al. (2008) document accounting quality improvements around voluntary IFRS adoption, and both Gassen and Sellhorn (2006) and Hung and Subramanyam (2007) reach similar conclusions. ¹¹ In this section, we discuss why we may observe accounting quality improvements around voluntary IFRS adoption even if the change in the accounting standards is not the source (the arguments in this section draw heavily on those presented in Christensen, 2012 and Daske et al., 2013).

The purpose of financial reporting is essential to reduce information asymmetry between corporate managers and parties contracting with their firm (Watts, 1977; Ball, 2001). The contracting parties may be shareholders, lenders, suppliers, customers, employees, and many other firm stakeholders. As financial reporting develops to facilitate efficient contracting (Watts & Zimmerman, 1990), the relative importance of different user groups and their differential information needs influence how a particular manager applies the discretion available to him/her in financial reporting.

Now assume that a firm experiences a positive shock to its growth opportunities. To exploit these new growth opportunities, the firm needs external financing. Contracting with outside investors is better facilitated when earnings are not managed and losses are recognized in a timely way (Ball et al., 2000; Watts, 2003). Thus, in order to attract cheaper external financing the firm improves financial reporting along these two dimensions. In this scenario, there are essentially two explanations for why a firm may voluntarily adopt IFRS in the process. The first implies that IFRS has an incremental effect on accounting quality while the second suggests that it is a manifestation of other underlying factors.

To elaborate, the first explanation suggests that voluntary IFRS adoption could be desirable because the rules themselves reduce earnings management and increase timely loss recognition. This may happen because IFRS limits the options available to managers. Consistent with this explanation, the IASC and later IASB have eliminated alternatives available to management under IFRS since the beginning of the Comparability and Improvement Project in 1989. 12

The alternative explanation suggests that voluntary IFRS adoption may simply correlate with other managerial motives. Consider the following three scenarios. First, IFRS may offer firms a clean break in order to move to a higher quality. It is possible that the firm could have achieved the same quality improvements under local GAAP but this would have involved changing accounting choices and implicitly accepting that previous practices were less informative; a change to a new set of standards allows firms to adopt new practices without having to acknowledge the sins of the past. This explanation is consistent with the observation that many of the accounting principle changes that occurred upon IFRS adoption are voluntary in the sense that IFRS did not require the changes (e.g. Christensen & Nikolaev 2013).

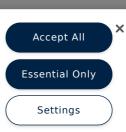
Second, the act of voluntary adoption itself may signal a change in financial reporting incentives. For instance, assuming that there is a need to acquire foreign capital, voluntary IFRS adoption may raise the profile of the firm among foreign investors, perhaps, because this allows the firm's stock to be traded on high-profile stock exchange segments such as the Frankfurt Stock Exchange's Neuer Markt and Prime Standards.

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e undergoing change in on between voluntary s a correlated outcome ments around S per se.

For firms that resist IFRS and postpone adoption until 2005 when it became mandatory, the circumstances around IFRS adoption are different from those for voluntary adopters. These firms could have adopted IFRS as early as 1998 but decided to wait until they were forced to do so in 2005. Prior literature has documented a 'tick-box' approach for some firms around voluntary IFRS adoption (Daske et al., 2013). Yet, such behavior intuitively might be expected to be more likely in a mandatory setting in which some managers are forced to adopt IFRS against their will.

Survey evidence suggests that the implementation of IFRS was costly to EU firms (ICAEW, 2007).¹³ The costs of compliance are likely to vary with the way IFRS is implemented. PricewaterhouseCoopers suggests that the extent to which IFRS is embedded in the organization is a key determinant of the resulting accounting quality (PwC, 2004) – IFRS is considered embedded if it is used for internal reporting and if systems are adapted to automatically generate required information. Similarly, the degree to which IFRS is embedded in the organization is likely to affect compliance costs. Changing internal reporting (and renegotiating contracts that rely on internal reporting, e.g. compensation contracts) and adapting IT systems are potentially costly. It is plausible that voluntary adopters that perceive net benefits of IFRS are more likely to embed IFRS in the organization than resisters that are forced to comply with IFRS.¹⁴ The idea that a 'tick-box' approach is common among mandatory IFRS adopters is empirically supported by a survey of 200 first-time IFRS annual reports drawn from all the EU member states (ICAEW, 2007, p. 96). The survey finds that the accounting policies sections are often characterized by standard wording, suggesting that it is copied from the model financial statements produced by large audit firms rather than tailored to suit individual firms' circumstances.

In this study, we examine whether standards or reporting incentives dominate in determining accounting quality by contrasting the changes for voluntary adopters and resisters around their respective IFRS adoption. Based on the above-mentioned arguments, we expect financial reporting incentives to dominate. Observing a significant reduction in earnings management, more timely loss recognition, and greater value relevance after IFRS adoption among the voluntary adopters but not among the resisters would support this conjecture.

4. Methodology

We examine three dimensions of accounting quality that are widely used in contemporary research, namely, earnings management, timely loss recognition, and value relevance. In the analyses we compare the same firms' accounting quality pre- and post-IFRS adoption separately for voluntary adopters and resisters, effectively using each firm as its own control. We do not attempt to test whether firms that voluntarily adopt IFRS are associated with higher accounting quality than firms that resist IFRS. Such a test would require a matched sample. Matching would either greatly reduce the sample size or be ineffective due to the small number of potential matching candidates in our single-country setting. 16

4.1. Earnings Management

We follow Barth et al. (2008) by focusing on two kinds of earnings management, earnings smoothing and managing towards small positive earnings. Earnings smoothing is measured by three metrics: the variability of changes in earnings, the variability of changes in earnings relative to the variability of changes in cash flows, and the negative correlation between accruals and cash flows. A high variability of earnings is consistent with less smoothing of earnings (Ball & Shivakumar, 2005, 2006; Barth et al., 2008; Lang, Raedy, & Yetman, 2003; Lang, Smith Raedy, & Wilson, 2006; Leuz et al., 2003). Although it is intuitive that managers who prefer smooth earnings will discretionally apply accruals to reduce the variance, a high variance is also consistent with managers applying their discretion to take 'big baths' or with errors in accruals, both of which are associated with low-quality accounting (Barth et al., 2008; Leuz et al., 2003). Thus, the interpretation of the results is ambiguous.

We apply the methodology in Barth et al. (2008) as closely as possible to ensure that our results are comparable to prior literature. For the metrics used to examine earnings smoothing, we use the residuals from the regressions of Equations (1) and (2). Note that we use the residuals rather than the raw changes to mitigate confounding effects. In particular, Barth et al. (2008) argue that this

methodology reduces the influence of changing financial reporting incentives around IERS adoption. Thus, by applying this

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of equity at the end of the year; GROWTH is the percentage change in sales; EISSUE is an indicator that equals one if the firm issued equity; LEV is the end-of-year total liabilities divided by the end-of-year book value of equity; DISSUE is the percentage change in total liabilities; TURN is the sales divided by the end-of-year total assets; AUD is an indicator variable that equals one if the firm's auditor is PricewaterhouseCoopers (PwC), Klynveld Peat Marwick Goerdeler (KPMG), Arthur Andersen, Ernst & Young (E&Y), or Deloitte Touche (D&T), and zero otherwise; NUMEX is the number of exchanges on which a firm's stock is listed; XLIST is an indicator variable that equals one if the firm is listed on any US stock exchange; CLOSE is the percentage of closely held shares of the firm reported by WorldScope; ¹⁷ and IDUM are industry dummies.

We estimate Equations (1) and (2) as pooled regressions including all observations. We separately calculate all of the metrics in the pre-adoption and post-adoption period for both voluntary adopters and resisters. To test for statistical significance, we follow Barth et al. (2008) by applying a t-test based on the empirical distribution of the differences. To obtain the distribution, we randomly select firm observations with replacement and calculate the difference between the pre-adoption and post-adoption period. We obtain the distribution of the differences by repeating the procedure 1000 times.

To calculate our measure of earnings management towards a target, we also follow Barth et al. (2008) and run the logistic regression expressed in Equation (3):

(3

where POST(0,1) is an indicator variable that equals one for observations in the post-adoption period and zero otherwise, and SPOS is an indicator variable that equals one for observations where net income scaled by total assets is between 0 and 0.01. A negative coefficient on SPOS suggests that firms manage earnings less towards a small positive target in the post-adoption period.

4.2. Timely Loss Recognition

For our first measure of timely loss recognition, we follow Barth et al. (2008) by running the logistic regression in Equation (4):

where LNEG is an indicator variable that equals one for observations in which annual net income scaled by total assets is less than – 0.20, and zero otherwise. A positive coefficient on LNEG suggests that IFRS firms recognize large losses more frequently in the post-adoption period than they do in the pre-adoption period.

Our two remaining measures of timely loss recognition follow Ball et al. (2003). The first measure relies on the methodology in Basu (1997) as expressed in Equation (5):

(5)

where NI is the net income per share, P is the share price, R is the fiscal year return including dividend, and RD is an indicator variable that takes the value one if R < 0 and zero otherwise. We run the regression in Equation (5) separately in the pre-adoption and post-adoption periods. A higher incremental coefficient on bad news (β_3) in the post-adoption period is consistent with more timely loss recognition after IFRS adoption.

The second measure we apply, from Ball et al. (2003), captures the persistence of earnings changes as expressed in Equation (6):

where ΔNI is the change in the net income, TA is the total assets, and NID is an indicator taking the value one if $\Delta NI < 0$ and zero otherwise. A larger negative coefficient on negative income (λ_3) in the post-adoption period is consistent with more timely loss recognition after IFRS adoption, that is, losses are less persistent.

4.3. Value Relevance Tests

For the value relevance tests, we estimate the following regression in Equation (7):

(7)

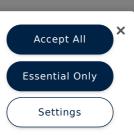
where P is the share price 6 months after fiscal year end, BVPS is the book value per share, and EPS is the earnings per share. A larger positive coefficient on earnings per share in the post-adoption period indicates increased value relevance of reported earnings after IFRS adoption. This would be consistent with a post-IFRS increase in accounting quality.

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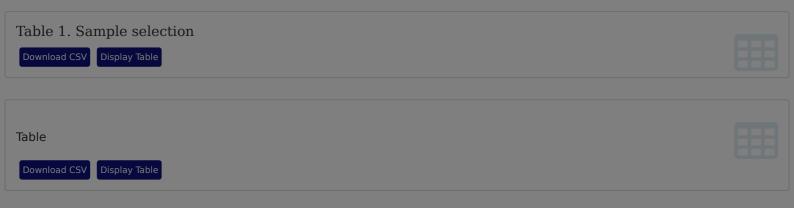
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ble in Datastream. For ents two general used in the additional e HGB the year before

adoption and the IFRS the year after. We include firms for which we cannot find an annual report for the year before or after IFRS adoption in the cross-sectional sample as long as we have an annual report according to IFRS or HGB for 2004.



Firms that comply with US GAAP or that complied with US GAAP in a prior year are excluded. We also exclude firms that adopted IFRS prior to 1998 from the Switch sample. 1998 was the year when the IASC completed its core standards. Thus, firms adopting IFRS prior to 1998 complied with a less comprehensive set of accounting standards, which could be important in the assessment of accounting quality. We obtain the annual reports from Thomson One Banker. If the annual reports are not available in Thomson One Banker, we search the firm's website. All other variables are obtained from Datastream, WorldScope, and Thomson Ownership.

Table 1, Panel A, describes the sample selection process in detail. The final Switch sample consists of 177 resister firms that did not adopt IFRS until 2005, when it became mandatory, and 133 firms that voluntarily adopted IFRS prior to 2005. The cross-sectional sample includes an additional 123 firms that adopted IFRS prior to 2004 but for which we cannot identify the year the firm switched to IFRS. For the accounting quality metrics, we include data for fiscal years 1993–2006. Table 1, Panel B, presents the distribution of adoption years for each sample.

4.5. Treatment of Outliers

Following Barth et al. (2008), we winsorise the variables used to construct the test metrics of Equations (1) and (2) (Δ NI, Δ CF, ACC, CF, and all non-dummy control variables) and Equation (7) (P, BVPS, and EPS) at the 5% level. The high level of winsorisation reflects the fact that metrics based on variability are sensitive to outliers. $\frac{19}{2}$

We follow Ball et al. (2003, 2005) and Basu (1997) and truncate rather than winsorise the data used in estimating the timely loss recognition tests in Equation (5) (R and NI) and the persistence of earnings changes (Δ NI) in Equation (6). We report results where the variables are truncated at the 1% level for Equation (5) (consistent with prior literature) and the 2% level for Equation (6). If we only truncate the variables in Equation (6) at the 1% level (as prior literature does), the results are influenced by a few outliers.

5. Empirical Findings

5.1. Descriptive Statistics

Table 2 presents descriptive statistics on all variables used in the analysis of accounting quality. Among the test variables we observe statistically significant differences between voluntary adopters and resisters in operating cash flow (CF), proportion of large loss (LNEG), stock returns (R), net income divided by price (NI/P), and earnings per share (EPS). Returns and net income are on average higher for voluntary adopters than resisters, which could reflect industry differences (in all tests we use the firm as its own control; we do not attempt to draw comparisons between the two groups). The descriptive statistics for variables used in the tests that follow the methodologies of either Barth et al. (2008) or Ball et al. (2003) are broadly similar to those reported in these studies. The descriptive statistics on the control variables show that on average the voluntary adopters have higher growth, issue more equity and debt securities, have greater sales, are larger and listed on more exchanges, are more likely to be audited by a large auditor (2003) are provided in the control variables are larger and listed on more exchanges, are more likely to be audited by a large auditor (2003) are provided in the control variables are larger and listed on more exchanges, are more likely to be audited by a large auditor (2003).

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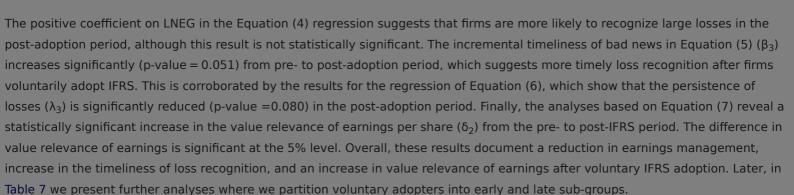
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5.2. Accounting Quality Changes for Voluntary Adopters

Table 3 presents the comparison of accounting quality between the pre- and post-adoption periods for voluntary adopters. The variability of earnings (Δ NI) increases significantly in the post-adoption period, which is consistent with decreased earnings management. The change in the variability of earnings could be driven by underlying cash flows. However, the variability of earnings relative to the variability of cash flows (Δ NI/ Δ CF) indicates that this is not the case. The negative correlation between accruals and cash flows is also reduced significantly in the post-adoption period, which implies reduced earnings management. These changes are mostly significant at the 1% level. The coefficient on small positive profits in the regression of Equation (3) is negative, which would be consistent with less earnings management towards a target in the post-adoption period had it been statistically significant. These results are consistent in direction with those reported in Barth et al. (2008, Table 5). The magnitude of the change and the statistical significance is stronger in our sample.

Table 3. Accounting quality changes of voluntary adopters

Display Table



5.3. Accounting Quality Changes for Resisters

Table 4 presents the comparison of accounting quality between the pre- and post-adoption periods for resisters. The variability of earnings (Δ NI) significantly decreases in the post-adoption period, which suggests an increase in earnings management. The variability of earnings relative to the variability of cash flows (Δ NI/ Δ CF) indicates that the majority of the change in earnings variability is attributable to underlying cash flows, although part of the reduction remains unexplained. The negative correlation between accruals and cash flows increases significantly in the post-adoption period when no controls are included, which would suggest increased earnings management. However, once we include controls we observe that the pre- and post-adoption period difference is no longer statistically significant. The coefficient on small positive profits in the regression of Equation (3) is positive and significant (p-value = 0.090), which indicates more earnings management towards a target after IFRS adoption.

Table 4. Accounting quality changes of resisters (mandatory adopters)

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The significantly negative coefficient on LNEG in the regression of Equation (4) suggests that firms are less likely to recognize large losses in the post-adoption period (p-value =0.005). The incremental timeliness of bad news in Equation (5) (β_3) is also reduced in the post-adoption period, and the change is significant at the 5% level. The results for the regression of Equation (6) show a reduced persistence of losses in the post-adoption period. However, the difference in loss persistence is small and not statistically significant. Finally, the analyses based on Equation (7) suggest a decline in the value relevance of earnings per share from the pre- to post-adoption period, although the difference between the two periods is not significant. Overall, the results for resisters generally indicate marginally more earnings management, less timely loss recognition, and even reduced value relevance in the post-adoption

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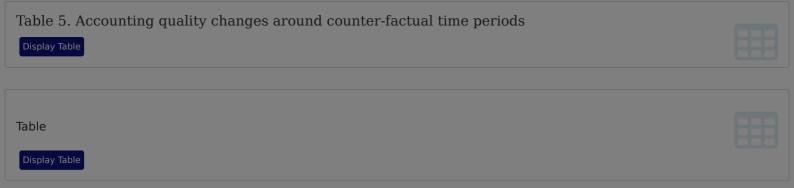
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lack of observed quality improvements for resisters might be driven by a lack of statistical power. We address these three concerns in the following subsections.

5.4.1. General time trends

Barth et al. (2008, Table 6) provide evidence that could be interpreted as consistent with a time trend explaining at least some of the changes in accounting quality from pre- to post-IFRS adoption. Similarly, Land and Lang (2002) document that accounting quality has improved worldwide since the beginning of the 1990s, which is long before widespread voluntary IFRS adoption began. An additional reason to expect that quality might have improved systematically in the period examined is changes to enforcement in Germany. For instance, Brown, Strohm, and Wömpener (2008) find that a German internal control regulation implemented in 1998 is associated with systematic improvements in financial reporting quality. We test whether our results are driven by changes that are time specific rather than related to accounting standards in Table 5.



In Table 5, Panel A, we counter-factually assume that resisters adopted IFRS in 2002 (the average adoption year in the voluntary adopter sample is 2001.6–2002). If the results are consistent with those reported in Table 3 for voluntary adopters, this would indicate that our findings are period specific rather than related to the accounting standards applied.

We find that the variability of earnings (Δ NI) increases significantly (p-value =0.003) after 2002. However, a large proportion of this change is explained by the underlying cash flows. For instance, the change in Δ NI/ Δ CF is statistically insignificant when controls are included (p-value = 0.279). Thus, contrary to the results in the voluntary adopter group (Table 3), the observed increase in the variability in earnings (Δ NI) among the resisters over the same time period is almost entirely explained by changes in a combination of underlying cash flows and the control variables. The decline in the negative correlation between accruals and cash flows after 2002 is statistically insignificant both with and without control variables, which suggests that resisters did not experience a reduction in earnings management similar to what we observed for voluntary adopters. The coefficient on small losses in the Equation (3) regression is positive, which would suggest more management towards a target if it were statistically significant. In the voluntary adopter sample in Table 3, the coefficient is negative.

In terms of timely loss recognition, the results we observe for resisters around 2002 in Table 5, Panel A, is also different to those of the voluntary adopter sample of Table 3. For instance, the coefficient on LNEG is negative for resisters but positive for voluntary adopters, although the findings are statistically insignificant in both cases. The Basu (1997) regression analyses show that timely loss recognition remains unchanged among resisters but increased significantly among voluntary adopters. The analysis based on Equation (6) indicates a significant decrease in the persistence of losses among resisters after 2002. This is the only case in Table 5, Panel A where the findings are broadly consistent with those of the voluntary adopters in Table 3. Finally, Table 5, Panel A, shows that the value relevance of earnings declined among resisters around 2002. Again, this is in stark contrast to the voluntary adopters in Table 3, where we observe a significant increase in the value relevance of earnings after adoption.

In Table 5, Panel B, we address the concern that the accounting quality of resisters might have increased post-IFRS relative to voluntary adopters, and that the observed decrease in quality in Table 4 is driven by a time trend. We counter-factually assume that voluntary adopters adopted IFRS in 2005 when compliance became mandatory. If the results are consistent with those reported in

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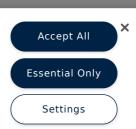
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the coefficient on LNEG in Equation (4) (p-value = 0.073). Second, the test from Equation (5) (based on Basu, 1997) indicates an increase from the period before 2005 to the period after, although the results are not statistically significant. Third, the regression in Equation (6) indicates a large decrease in loss persistence after 2005.

Overall, the evidence from Table 5 suggests the existence of a time trend in our sample period. However, it is not enough to explain the difference in accounting quality improvements between voluntary adopters and resisters. Although this effect works against finding a difference between the two groups, its very existence independent of the standards applied suggests that factors other than standards have a strong impact on accounting quality. The majority of our evidence implies that voluntary IFRS adoption is associated with accounting quality improvements that exceed the time trend. For firms resisting IFRS the results are mixed. Although some of their observed quality change in Table 4 appears to be explained by time trends, we argue that this does not contradict the conclusion of the main analysis in this paper - that is, we do not conclude that forcing firms to adopt IFRS will either improve or reduce accounting quality; rather, we conclude that it has little or no impact, which is consistent with the results in this section. However, because accounting quality changes around resister firms' IFRS adoption are important to this study, we perform further tests on accounting quality changes around 2005 in the next subsection (specifically, we compare the quality changes of resisters relative to voluntary adopters around 2005).

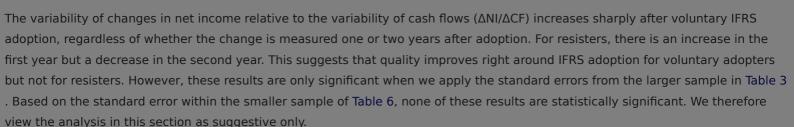
5.4.2. Balanced panels around IFRS adoption

One of the concerns with the results in this study, and in prior literature, is that the panels are unbalanced, that is,, they do not include the same number of observations for each firm before and after IFRS adoption. Among other things this raises the concern that accounting quality improvements take time to materialize, and that the observed differences between voluntary and resister adoption are driven by the longer time series available after voluntary adoption.

We address this issue in Table 6, Panels A and B. In Panel A we restrict our tests to firms with data available both the year before and the year after IFRS adoption. In Panel B we restrict the tests to firms with data available two years before and two years after IFRS adoption. We focus on the variability of net income (Δ NI) and the variability of net income relative to the variability of cash flows (ΔNI/ΔCF) because these two measures provide the strongest evidence of quality improvements around voluntary IFRS adoption in Barth et al. (2008) and in our study.²² We only report results for changes without controls to reduce the data requirements and increase the number of observations available.

Table 6. Balanced panels - comparison of voluntary adopters and resisters' accounting quality around IFRS adoption





In Table 6, Panel C, we compare the quality changes of resisters relative to voluntary adopters around 2005 (the year resisters adopted IFRS) based on the balanced panels. The advantage of this approach is that it is the most intuitive way to address the time trends documented in Section 5.4.1. The disadvantage is that the two groups of firms, resisters and voluntary adopters, are fundamentally different, and it is not obvious that a time trend should affect these firms in the same way.²³ Nevertheless, we find that regardless of whether we measure the quality changes from 2004 to 2005 or from 2003 and 2004 to 2005 and 2006, the inference is unchanged. Either very little happens to accounting quality or the changes point towards lower quality after mandatory IFRS adoption by resisters. 24

5.4.3.

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that the lower number Iresses this issue with ality decreases ts been statistically

significant. Furthermore, the signs on the equivalent quality metrics tests in Table 4 are also generally negative, which suggests that the lack of improvements observed in Table 6 is not attributable to a lack of power.

5.5. Additional Analyses

5.5.1. Early vs. late voluntary adopters

In Table 7, we present the findings of an additional analysis that partitions voluntary adopters into early and late sub-groups. Existing literature (Christensen, 2012; Daske, Hail, Leuz, & Verdi, 2008) suggests that the former sub-group comprises truly voluntary adopters with greater financial reporting incentives, while the latter sub-group includes firms that adopt voluntarily in anticipation of mandatory rules. For instance, Christensen (2012) suggests that as early as 2000 the European Commission had already outlined its strategies to mandate IFRS by 2005. As such, truly voluntary adopters should be those that started using IFRS before 2000. Alternatively, Daske et al. (2008) classify early or late voluntary adopters depending on whether firms use IFRS before or after their home country formally announced the decision to require IFRS, which is the year 2002 in the case of the EU (including Germany).²⁵ If our findings of improved accounting quality among voluntary adopters in Table 3 are at least partly driven by financial reporting incentives, then we expect the findings to be more pronounced among the early than late voluntary adopters.

Table 7. Early vs. late voluntary adopters

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In Table 7, Panel A, we classify firms as early voluntary adopters if they do so before 2000 following Christensen (2012). In Panel B, we classify firms that use IFRS before 2002 as early voluntary adopters following Daske et al. (2008). Both panels consistently reveal that the improvement in accounting quality is more pronounced among the early voluntary adopters. For instance, such improvement is indicated for early voluntary adopters in Panel A by both the change in the variability of ΔNI and the change in correlation between ACC and CF, and in Panel B by all three indicators including the change in the variability of ΔNI/ΔCF. In contrast, we observe better post-adoption accounting quality among late voluntary adopters only through the change in the variability of ΔNI/ ΔCF in both panels. Overall, the findings in Table 7 help substantiate the inference that financial reporting incentives contribute to the accounting quality improvement among voluntary adopters.

5.5.2. Determinants of resisters

The results of the analysis thus far are consistent with accounting quality not improving when firms that resist IFRS are forced to adopt. But why do some firms resist IFRS? That is, why do some firms lack incentives to adopt what is generally perceived to be higher quality accounting standards? Based on the discussion in connection with the development of the hypothesis in Section 3.2, we address this question by looking at which firms are less sensitive to shocks to growth options and more likely to respond to regulation by exhibiting 'tick-box' behavior. More specifically, we are looking for firms that are less likely to respond to shocks to growth opportunities by improving financial reporting quality and adopting IFRS in the process. 26 Such firms are likely to perceive fewer benefits from a capital market-oriented set of accounting standards like IFRS and consequently apply a cost-minimizing strategy when subjected to it.

Several authors have suggested that a country's orientation towards insider or outsider financing is important in understanding its financial reporting system (e.g. Ball, 2001; Ball et al., 2000; Leuz et al., 2003; Leuz & Wüstemann, 2004). If accounting regulations develop to satisfy the needs of the main contracting parties in the economy, then we would expect the role of accounting to be very different in an insider economy relative to an outsider economy. In countries with an insider orientation, information asymmetries between managers and capital providers are resolved through private information channels. Thus, public information channels such as the annual report may serve other purposes, for example, the determination of dividends or taxes. It is plausible that this argument extends to the firm level. Some firms may exhibit a higher degree of outsider orientation than other firms. The orientation of firms could be driven by a trade-off between the costs to insiders of losing their information advantage and the benefits from

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changes that could be interpreted as a move towards an outsider orientation. These ideas are closely related to the reporting incentive factors suggested by Christensen et al. (2007) and Daske et al. (2013).

Table 8, Panel A, provides summary statistics on key characteristics that capture firms' orientation in the cross-sectional sample. 21 The variables are closely related to those used in Equations (5) and (6) but not identical, as the purpose of Equations (5) and (6) is to ensure that results are comparable to prior literature (in particular, Barth et al., 2008). The purpose in this section is to capture differences in insider characteristics. The summary statistics show that resisters have more bank ownership and less equity analyst following. This suggests that resisters have closer relationships with banks and depend less on the equity markets for financing. In Germany, banks are often insiders with representatives on the board and access to significant non-public information (Leuz & Wüstemann, 2004). Similarly, financial analysts act as information intermediaries and respond to demand from capital markets (Lang & Lundholm, 1996). Thus, the observation that analyst following is lower among resisters suggests that there is lower demand for information from the capital markets for these firms, consistent with these firms having an insider orientation.

Table 8. Determinants of resisters

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Table 8, Panel B, provides the result of a logistic regression where the dependent variable takes the value one when a firm adopts IFRS in 2005, that is, resists IFRS.²⁸ The independent variables are the insider characteristics and a set of control variables based on prior literature on voluntary adoption of IFRS and US GAAP (e.g. Ashbaugh, 2001; Cuijpers & Buijink, 2005; Gassen & Sellhorn, 2006; Tarca, 2004). The advantage of the multivariate analysis is that we are able to assess the incremental association of each variable with the decision to resist IFRS. The disadvantage is the greatly reduced sample due to missing variables that reduce the power of our tests. This analysis generally supports the findings of the univariate analysis. Bank ownership, leverage, and analyst followings have the predicted signs and are significant, although not at the same levels. 29 Notice that bank ownership is only positively associated with resisting IFRS when the firm is not a bank itself.

The analysis of resisters' characteristics suggests that the insider orientation of firms may be a contributing factor to why resisters lack incentives to adopt IFRS. The lack of incentives to adopt IFRS could explain why this group does not experience accounting quality improvements in association with mandatory IFRS adoption. 30

6. Conclusion

We examine how accounting quality is affected by the adoption of IFRS for two groups of firms: (i) those that supposedly perceive net benefits of IFRS (voluntary adopters) and (ii) those that have no incentives to adopt and are forced to comply (mandatory adopters). The purpose is to examine whether IFRS per se leads to accounting quality improvements. Towards this end we exploit the setting in Germany, where firms were able to voluntarily adopt IFRS instead of local GAAP starting in 1998, until it became mandatory to adopt IFRS in 2005. Revealed preferences imply that firms that voluntarily adopted prior to 2005 did so because their management perceived net benefits of IFRS compliance.

Consistent with prior research, we generally find a decrease in earnings management and an increase in timely loss recognition and value relevance after voluntary IFRS adoption. In contrast, we generally find no accounting quality improvements for firms that resist IFRS reporting until 2005. These are firms that postponed adoption until it became mandatory in 2005 because they had no incentive to adopt IFRS. The finding that accounting quality improvements are confined to voluntary adopters and the existence of time trends independent of the accounting standards applied suggests that IFRS adoption per se does not change accounting quality, which is consistent with the findings of Daske et al. (2008, 2013) and Christensen et al. (2013a). In additional analyses, we find that the firms that resist IFRS adoption (i.e. adopt in 2005) on average have more insider characteristics, which is consistent with an insider orientation. These results may be important in understanding the lack of incentives to adopt IFRS and the

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results suggest that cation is that even centives dominate ors on accounting ction with the

application of new standards are dependent on the reporting incentives of those preparing the accounts, rather than on whether the new standards are perceived to be of higher quality.

As such, we contribute to the large accounting literature on IFRS in the following ways. First, by applying the same accounting measures as Barth et al. (2008) in our German setting, our results reinforce the caveat originally included in their paper, that is,, that the accounting quality changes observed around voluntary IFRS adoption may not necessarily be attributed to the change in accounting standards. Second, we reinforce the inferences of Daske et al. (2013) by using an alternative proxy for firms' managerial incentives to adopt IFRS, namely based on revealed preferences rather than normative conjectures. Finally, we also add to the mandatory IFRS adoption literature (e.g. Brüggemann et al., 2013) by finding no evidence of accounting quality changes.

Our study has the following caveats. First, Barth et al. (2008) argue that while voluntary adopters may choose IFRS because of changes in disclosure incentives, the fact that they choose IFRS over their domestic standards could imply that these firms believe that IFRS better allows them to demonstrate their improved accounting quality. Since changing accounting standards is costly, these firms may recognize that the new standards have features to facilitate accounting quality improvements. However, this still implies that standards per se cannot improve accounting quality unless firms have incentives to adopt, which is consistent with existing empirical evidence of heterogeneity in the impact of mandatory IFRS adoption (e.g. Armstrong et al., 2010; Christensen et al., 2007; Daske et al., 2008).

Second, measuring accounting quality is inherently difficult and the measures we adopt from Barth et al. (2008) may capture operational differences between the firms in our sample. Dechow, Ge, and Schrand (2010) argue that it is difficult to differentiate between the smoothness of reported earnings that reflect the fundamental earnings process and accounting rules. Our analyses are joint tests of the underlying theory and the earnings quality metrics we use. However, there exists no perfect accounting quality measures and our decision to use the measures in Barth et al. (2008) better enables us to compare and contrast our findings to their findings.

Finally, accounting quality measures do not capture all possible benefits from IFRS adoption. For instance, Brochet, Jagolinzer, and Riedl (2013) find capital market benefits following mandatory IFRS adoption in the UK, which had previous domestic standards that are considered to be very similar to IFRS (Bae, Tan, & Welker, 2008). As such, they argue that the benefits are more likely to arise from changes in accounting comparability (DeFond, Hu, Hung, & Li, 2010; Wang, 2014) than changes in accounting quality. Existing studies also document IFRS benefits through alternative indicators such as analyst forecast accuracy (Byard, Li, & Yu, 2010; Tan, Wang, & Welker, 2011).

Consistent with the many caveats to this study, we do not conclude that IFRS adoption, or more generally international accounting harmonization, has no positive effects. There are many potential benefits from international accounting harmonization (see also Hail, Leuz, & Wysocki, 2010a, 2010b). Yet, we note that it is unwarranted to conclude from changes in accounting properties around voluntary IFRS adoption that IFRS leads to accounting quality improvements.

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²While there may be cross-sectional variations in reporting incentives in both voluntary and mandatory adopters (Christensen et al., 2007; Daske et al., 2013), the average reporting incentives is likely to be higher in the former than the latter group (Leuz & Verrecchia, 2000).

³Additional tests confirm the existence of temporal effects in accounting quality improvements over our sample period among both voluntary adopters and resisters. However, this result does not explain the entire difference in quality changes we observe between the two groups. The fact that the temporal effect exerts an influence on firms irrespective of accounting standards further supports our inference that the accounting quality improvements among voluntary IFRS adopters cannot be attributed to standards per se.

⁴As of October 2014, Barth et al. (2008) have more than 1000 citations by either published or unpublished papers, making it one of the most impactful papers published in accounting journals over the past decade.

⁵The lower quality is also often attributed to HGB's code-law origin, tradition for prudence, and tax alignment. However, HGB prescribes that the sole purpose of consolidated statements is to facilitate decision-making (Gassen & Sellhorn, 2006; Leuz, 2003), so the perceived quality differences cannot be attributed entirely to legal issues.

⁶Examples of VMEBF comment letters to the IASB:

- http://www.ifrs.org/Current-Projects/IASB-Projects/Income-Taxes/ED-march-09/Comment-Letters/Documents/cl49.pdf
- $\bullet \ \underline{http://eifrs.ifrs.org/eifrs/comment_letters/2/2_236_FrankReutherVMEBFThe Association for Participation in the Development of Accounting the State of the$
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⁷See Table 1 for details on these statistics (177/433 = 41%).

⁸Existing studies suggest that voluntary adopters are not necessarily a homogenous group. For instance, some studies further classify them into early or late sub-groups (Daske et al., 2008), and into label or serious sub-groups (Daske et al., 2013). However, despite these variations, the overall reporting incentives and IFRS preference of voluntary adopters are expected to be greater than those firms that resisted IFRS until they were mandated to adopt (Leuz & Verrecchia, 2000).

⁹Hail et al. (2010a, 2010b) discuss the costs and benefits of potential IFRS adoption by the USA.

 10 Such flexibility also underlies the label versus serious adopters distinction examined by Daske et al. (2013).

¹¹There are also papers that find no evidence of accounting quality improvements around voluntary IFRS adoption (for instance, Van Tendeloo & Vanstraelen, <u>2005</u>; Goncharov, <u>2005</u>). Consistent with this evidence, the reviews by Soderstrom and Sun (<u>2007</u>) and Brüggemann et al. (<u>2013</u>) conclude that the evidence is mixed.

¹²Despite these eliminations, IFRS offers managers significant discretion in how they implement the rules.

¹³The survey is based on answers to an online questionnaire. Compliance costs for the first set of consolidated statements are estimated at 0.31% of turnover for firms with turnover less than €500 m and 0.05% of turnover for firms with turnover greater than €500 m. For subsequent years the costs are estimated to be between 0.06% and 0.008% of turnover. For details on methodology and the analysis, see ICAEW (2007, chapter 7).

¹⁴Prior literature suggests that bookkeeping costs influence managers' choice of accounting standards (e.g. Watts & Zimmerman, 1978). We suggest that costs associated with a mandatory accounting standard change may also influence how managers adopt those standards.

¹⁵ Ball (<u>1998</u>) provides evidence that Daimler-Benz AG voluntarily adopted US GAAP instead of HGB to decrease earnings management in subsidiaries. This is an example of embedding a new accounting system in the organization.

¹⁶A setting with larger sample size would be required to carry out such analyses. In the sensitivity analyses of Section 5.4 in our

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¹⁸As we need to calculate the change in the accounting variables, we lose the observations for the first year for all metrics. For the loss persistency measure in Equation (6), we lose the first two years of observations.

¹⁹We replicate all tests with winsorising or truncating the variables at the 2% level. In these tests, the inferences we draw from the results remain unchanged.

²⁰The stronger results are likely due to our hand-collected data on the accounting standards applied. In collecting data for this paper, we observed that the information on accounting standards available in commercial databases includes many errors prior to 2003 (see also Daske et al., <u>2013</u>). These errors may have weakened the results in Barth et al. (<u>2008</u>).

²¹While extending the sample period may address this issue, the benefit of doing so is likely to be offset by confounding effects that arise from the influence of financial crisis and recession over the extended sample period.

²²Furthermore, it is difficult to measure timely loss recognition and value relevance with a small number of observations.

²³A firm's exposure to the time trend is likely to depend on the firm's stage in the life cycle, for example, through the growth rate. To the extent that the trend is driven by internationalization (Land & Lang, 2002), it is also likely to depend on firms' international trade. Both age and international exposure vary systematically between voluntary adopters and resisters (see Table 8).

²⁴Following Lang et al. (2006) and Barth et al. (2006), we do not provide statistical significance tests since it is difficult to do so between ratios of variances. As such, the findings in Table 6, Panel C, are meant to be suggestive and it would be difficult to draw inferences from them. In untabulated analyses, we obtain similar findings for the other quality measures applied in this paper. However, because these measures generally rely on a large number of observations the results are less stable, that is,, the conclusions for some metrics are sensitive to the inclusion of specific observations.

²⁵See Daske et al. (2008) Table 6, Panel A.

²⁶The fact that firms adopt IFRS in connection with accounting quality improvements does not imply that IFRS causes the quality improvements, although this is one possibility. This issue is discussed in Sections 3.1 and 3.2.

²⁷The lack of data for variables such as closely held shares and bank ownership for earlier sample period caused the reduction in the number of observations for voluntary adopters.

²⁸Independent variables are measured in the fiscal year before IFRS adoption.

²⁹Some variables are defined slightly differently in this study compared to earlier literature. Although levels of significance and the specific combination of variables included vary across studies, the results presented here are largely consistent with prior literature on voluntary IFRS/US GAAP adoption. Thus, the presentation of the results here is simply to illustrate that the insider characteristics are correlated with incentives, not to suggest that these findings are unique to this study.

 30 In additional analyses, untabulated for brevity, we partition our sample into sub-groups based on the strength of their incentives to adopt (similar to Christensen et al., 2007 and Daske et al., 2013). We measure the strength of incentives to adopt IFRS by the predicted values from the logistic model developed in this section. Consistent with expectation, among the strong resistance incentives sub-group, we observe either no significant changes or even significant deteriorations in accounting quality after adoption. Among the weak resistance incentives sub-group, we observe significant improvements in accounting quality based on changes in the variability of $^{\Delta}NI/^{\Delta}CF$ both with and without controls. This evidence supports the argument that improvements in accounting quality following IFRS adoption are conditional on financial reporting incentives (Daske et al., 2013).

References

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2. Ashba

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9. Ball, R., & Shivakumar, L. (2005). Earnings quality in UK private firms: Comparative loss recognition timeliness. Journal of Accounting and Economics, 39(1), 83-128. doi: 10.1016/j.jacceco.2004.04.001 Web of Science ® Google Scholar

.0. Ball, R., & Shivakumar, L. (2006). The role of accruals in asymmetrically timely gain and loss recognition. Journal of Accounting Research, 44(2), 207-242. doi: 10.1111/j.1475-679X.2006.00198.x Web of Science ® Google Scholar

.1. Barth, M. E., Landsman, W. R., & Lang, M. H. (2008). International accounting standards and accounting quality. Journal of Accounting Research, 46(2), 467-498. doi: 10.1111/j.1475-679X.2008.00287.x Web of Science ® Google Scholar

.2. Barth, M. E., Landsman, W. R., Lang, M. H., & Williams, C. D. (2006). Are IFRS-based and US GAAP-based accounting amounts comparable? Journal of Accounting and Economics, 54(1), 68-93. doi: 10.1016/j.jacceco.2012.03.001 Web of Science ® Google Scholar

.3. Basu, S. (1997). The conservatism principle and the asymmetric timeliness of earnings. Journal of Accounting and Economics, 24(1), 3-37. doi: 10.1016/S0165-4101(97)00014-1

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.6.	Brüggemann, U., Hitz, J., & Sellhorn, T. (2013). Intended and unintended consequences of mandatory IFRS adoption: A review of extant evidence and suggestions for future research. European Accounting Review, 22(1), 1–37. doi: 10.1080/09638180.2012.718487 Web of Science ® Google Scholar						
.7.	Burgstahler, D. C., Hail, L., & Leuz, C. (2006). The importance of reporting incentives: Earnings management in European privat and public firms. Accounting Review, 81(5), 983–1016. doi: 10.2308/accr.2006.81.5.983 Web of Science ® Google Scholar						
	Byard, D., Li, Y., & Yu, Y. (2010). The effect of mandatory IFRS adoption in financial analysts' information environment. Journal of Accounting Research, 49(1), 69–96. doi: 10.1111/j.1475-679X.2010.00390.x Web of Science ® Google Scholar						
.9.	. Christensen, H. B. (2012). Why do firms rarely adopt IFRS voluntarily? Academics find significant benefits and the costs appear to be low. Review of Accounting Studies, 17(3), 518–525. doi: 10.1007/s11142-012-9202-y Web of Science ® Google Scholar						
20.	Christensen, H. B., Hail, L., & Leuz, C. (2013a). Mandatory IFRS reporting and changes in enforcement. Journal of Accounting and Economics, 56(2), 147–177. doi: 10.1016/j.jacceco.2013.10.007 Web of Science ® Google Scholar						
	. Christensen, H. B., Hail, L., & Leuz, C. (2013b). Proper inferences or a market for excuses? The Capital-Market Effects of Mandator IFRS Adoption. Chicago Booth and Wharton working paper. Retrieved October 11, 2013, from http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2319475 Google Scholar						
	. Christensen, H. B., Lee, E., & Walker, M. (2007). Cross-sectional variation in the economic consequences of international accounting harmonisation: The case of mandatory IFRS adoption in the UK. International Journal of Accounting, 42(4), 341–379. doi: 10.1016/j.intacc.2007.09.007						
23.	Christensen, H. B., & Nikolaev, V. V. (2013). Does fair value accounting for non-financial assets pass the market test? Review of Accounting Studies, 18, 734–775. doi: 10.1007/s11142-013-9232-0 Web of Science ® Google Scholar						
24.	Cuijpers, R., & Buijink, W. (2005). Voluntary adoption of non-local GAAP in the European Union: A study of determinants and consequences. European Accounting Review, 14(3), 487–524. doi: 10.1080/0963818042000337132 Google Scholar						
25.	Daske, H., Hail, L., Leuz, C., & Verdi, R. S. (2008). Mandatory IFRS reporting around the world: Early evidence on the economic consequences. Journal of Accounting Research, 46(5), 1085–1142. Web of Science ® Google Scholar						
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Dechow, P., Ge, W., & Schrand, C. (2010). Understanding earnings quality: A review of proxies, their determinants and their consequences. Journal of Accounting and Economics, 50, 344-401. doi: 10.1016/j.jacceco.2010.09.001 Web of Science ® Google Scholar						
Gassen, J., & Sellhorn, T. (2006). Applying IFRS in Germany – determinants and consequences. Betriebswirtschaftliche Forschung und Praxis, 58(4), 365–386. Web of Science ® Google Scholar						
Goncharov, I. (2005). Earnings management and its determinants: Closing gaps in empirical accounting research. Frankfurt am Main: Peter Lang. Google Scholar						
Hail, L., Leuz, C., & Wysocki, P. (2010a). Global accounting convergence and the potential adoption of IFRS by the US (Part I): Conceptual underpinnings and economic analysis. Accounting Horizons, 24(3), 355–394. doi: 10.2308/acch.2010.24.3.355 Web of Science ® Google Scholar						
Hail, L., Leuz, C., & Wysocki, P. (2010b). Global accounting convergence and the potential adoption of IFRS by the US (Part II): Political factors and future scenarios for U.S. accounting standards. Accounting Horizons, 24(4), 567–588. doi: 10.2308/acch.2010.24.4.567 Web of Science ® Google Scholar						
3. Heidhues, E., & Patel, C. (2012). Chapter 3 Adoption of IFRS in Germany: A neo-institutional analysis. In E. Heidhues & C. Patel (Eds.), Globalization and contextual factors in accounting: The case of Germany studies in managerial and financial accounting (Vol. 23, pp. 43-73). Bingley: Emerald. Google Scholar						
4. Hung, M., & Subramanyam, K. (2007). Financial statement effects of adopting international accounting standards: The case of Germany. Review of Accounting Studies, 12(4), 623–657. doi: 10.1007/s11142-007-9049-9 Web of Science ® Google Scholar						
5. ICAEW. (2007). EU implementation of IFRS and the fair value directive – a report for the European Commission London: ICAEW Financial Reporting Faculty. Google Scholar						
6. Kim, J., & Shi, H. (2012). IFRS reporting, firm-specific information flows, and institutional environments: International evidence. Review of Accounting Studies, 17(3), 474–517. doi: 10.1007/s11142-012-9190-y Web of Science ® Google Scholar						
Kim, J., Tsui, J., & Yi, C. (2011). The voluntary adoption of International Financial Reporting Standards and loan contracting around the world. Review of Accounting Studies, 16(4), 779–811. doi: 10.1007/s11142-011-9148-5 Web of Science ® Google Scholar						
La Porta, R., Lopez-de-Silanes, F., Shleifer, A., & Vishny, R. (1998). Law and finance. Journal of Political Economy, 106(6), 1113-1155. doi: 10.1086/250042						
Web of Science ® Google Scholar						
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Lang, please see our Privacy Policy. Settings :ed States? An analysis						

1.	Lang, M., Smith Raedy, J., & Wilson, W. (2006). Earnings management and cross listing: Are reconciled earnings comparable to US earnings? Journal of Accounting and Economics, 42(1–2), 255–283. doi: 10.1016/j.jacceco.2006.04.005 Web of Science ® Google Scholar						
12.	Lang, M. H., & Lundholm, R. J. (1996). Corporate disclosure policy and analyst behavior. The Accounting Review, 71(4), 467-492. Web of Science ® Google Scholar						
13.	Leuz, C. (2003). IAS versus US GAAP: Information asymmetry based evidence from Germany's new market. Journal of Accounting Research, 41(3), 445–472. doi: 10.1111/j.1475-679X.2003.00111.x Web of Science ® Google Scholar						
14.	Leuz, C., Nanda, D., & Wysocki, P. D. (2003). Earnings management and investor protection: An international comparison. Journal of Financial Economics, 69(3), 505–527. doi: 10.1016/S0304-405X(03)00121-1 Web of Science ® Google Scholar						
15.	Leuz, C., & Verrecchia, R. E. (2000). The economic consequences of increased disclosure. Journal of Accounting Research, 38(3), 91–124. doi: 10.2307/2672910 Web of Science ® Google Scholar						
16.	5. Leuz, C., & Wüstemann, J. (2004). The role of accounting in the German financial system. In J. Krahnen & R. H. Schmidt (Eds.), The German financial system (pp. 450-483). Oxford: Oxford University Press. Google Scholar						
17.	. Liener, G. (1995). Accounting standards required of global corporations by the international capital markets. Zeitschrift fur Betriebswirtschaft, 65, 741-751. Google Scholar						
18.	3. Nobes, C., & Parker, R. (2004). Comparative international accounting. Harlow: Prentice Hall. Google Scholar						
19.	9. PwC. (2004). International financial reporting standards-ready for take-off? PricewaterhouseCoopers. Google Scholar						
50.	D. Soderstrom, N., & Sun, K. J. (2007). IFRS adoption and accounting quality: A review. European Accounting Review, 16(4), 675-702. doi: 10.1080/09638180701706732 Web of Science ® Google Scholar						
51.	Tan, H., Wang, S., & Welker, M. (2011). Analyst following and forecast accuracy after mandated IFRS adoptions. Journal of Accounting Research, 49(5), 1307–1357. doi: 10.1111/j.1475-679X.2011.00422.x Web of Science ® Google Scholar						
52.	Tarca, A. (2004). International convergence of accounting practices: Choosing between IAS and US GAAP. Journal of International Financial Management & Accounting, 15(1), 60–91. doi: 10.1111/j.1467-646X.2004.00102.x Google Scholar						
3.	Van Territor D. 6 Montando A. (2005). For since the state of the state						
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	ent, 2(1), 53-75. doi: 10.1177/03 Google Scholar	31289627700200104	incar process. Adstrailan journal of	
	L. (2003). Conservatism in accou acch.2003.17.3.207 Google Scholar	nting (Part I): Explanations and implicatio	ons. Accounting Horizons, 17(3), 207–221.	doi:
Review, 5	L., & Zimmerman, J. L. (1978). To 3(1), 112–134. cience ® Google Scholar	wards a positive theory of the determinat	tion of accounting standards. The Account	ing
156.	L., & Zimmerman, J. L. (1990). Po	ositive accounting theory: A ten year pers	pective. The Accounting Review, 65(1), 13	1-
		doption of internationally recognized according to the decision of the decisio		
	(2012). The evolution of the IAS 308/accr-10244 Web of Science ® Google Sch		es. The Accounting Review, 87(3), 807–83	7.
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