

A comment on the multifaceted relationship between multinational enterprises and within-country inequality

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Abstract

The capacity of Multinational Enterprises (MNEs) to generate employment and upgrade the quality of the host country's human capital is arguably its most immediate and significant contribution to economic growth, a key objective of an MNE-assisted development agenda. However, whether by direct or indirect action, or by inaction, MNEs can have both a positive and a negative effect on within-country inequality, not least because they play an outsized and growing role in most economies. Much is unclear about the mechanisms underlying the link between MNE activity and inequality. We believe it is necessary - for both MNEs and policymakers- to have a more nuanced understanding of how, and under what circumstances, the presence of MNEs affects inequality in host economies. We therefore highlight some key issues and avenues for future research.

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A comment on the multifaceted relationship between multinational enterprises and within-country inequality

Introduction

Inequality in its various forms lies at the heart of much of the contemporary discussion on the world economy over the last two decades, arguably best highlighted by the considerable attention in both the popular and academic press to the publication of Piketty (2013). It is by no means a new theme for socio-economic thought, inspiring Adam Smith, David Ricardo and Karl Marx, to name but a few. Indeed, the sources of inequality, and possible remedies to the persistence of inequality has exercised the minds of some of mankind's greatest thinkers for several centuries.

The current debate to which we intend to contribute is how the nature and causes of inequality are shaped by economic globalization (Kobrin, 2017; Kaplinsky, 2013). Globalization for our purposes is taken to mean the growing cross-border interdependence of markets for goods, services and capital (Narula, 2003), and we narrow our focus even further to the role of the MNE in developing economies characterized typically by substantial informal sectors. MNEs sit at the heart of globalization, being among the most visible (and tangible) players that shape the cross-border interdependence of economic actors.

The work of Piketty (2013) his associates (e.g., Alvaredo et al, 2017) and a wide variety of national and international institutions has consistently pointed to a rising *within-countries* inequality. This trend has been fairly consistently observed across most countries, and concomitantly, over the last three decades, a period defined by intensifying globalization (Bourguignon, 2015; Maskin, 2015; Milanovic, 2016). Although there has been little systematic research to indicate that there is a cause-and-effect association between the rising within-countries inequality and the pace of globalization, the subject is worthy of more systematic examination. The recent contribution of Pearce and Tang (2019) provides a welcome missive in addressing the concomitant (distributional) effects of FDI and the MNE. We underline and amplify his concerns that the gains of FDI are rarely equally distributed between the MNE and the host country, but we go further by offering an equally relevant (and unanswered) question: how do MNEs affect the extant inequalities *within* a host country? We also seek to broaden scholarly engagement with inequality beyond income levels, which is just one aspect of inequality shaping or impeding human development.

The role of MNEs in inequality has hitherto not been a significant subject for debate in the field of international business (IB). Although the potential of the MNE to impact development more generally was a key preoccupation in the early IB literature¹ (e.g., Hymer, 1975; Dunning 1958, 1981; Lall &

¹ See Pineli, Narula and Belderbos (2019) for an overview.

Streeten, 1977) the attention to inequality has been somewhat sporadic, largely limited to addressing the nature of inequality *between-countries* (e.g., Narula, 1996; Narula & Dunning, 2000, 2010). Much of this work considers the differences in the aggregate incomes between different countries, the extent to which income levels have converged or diverged relative to each other, and how FDI may have contributed to these changes.

The field of international business has, in any case, increasingly taken a more MNE-centric view of the FDI-development nexus, largely avoiding explicit engagement with development-specific questions (Narula and Pineli, 2019). By and large, the recent literature (in IB and economics) have tended to focus implicitly on how MNEs provide net positive effects for development², particularly in the interaction between domestic actors and the MNE. However, there is significant reason, and evidence, to believe that not all outcomes from the participation of MNEs in the economy are positive, or even net positive (Narula, 2019; Kaplinsky, 2013). The degree to which the MNE is complicit in negative development outcomes is contentious and under researched.

It is not universally accepted that firms should have an explicit role in addressing inequality. Indeed, some argue that firms should focus on their primary objective of generating profits. Others feel that firms have a moral responsibility to address development challenges (Ünal and Chen, 2017). The view we take in this paper is that MNEs – by direct or indirect action, or by inaction - can be a key source of increased inequalities, not least because they play an outsized and growing role in most developing countries and can have potentially large distributional effects through providing employment and paying wages (Helpman et al., 2008). Thus, we believe it is necessary, for both MNEs and policymakers, to have a nuanced understanding of how, and under what circumstances, the presence of MNEs increases inequality in host economies.

Relating the large literature on inequality (and going beyond the mainstream focus on income inequality) with the scholarly contributions to MNE-assisted development is itself a novelty. Given the absence of either robust theory or evidence in the neglected realm of MNEs and within-countries inequalities, we cannot (and do not) offer more than some general observations, highlighting some of the key issues and illustrating possible avenues for future research.

A brief introduction to within-country inequality

The increasing disparity of within-country incomes since 1970s has caused a renewed interest in the topic of within-country inequality, with Krugman (2007, p. 124) describing the current trend as the “great divergence”. However, it has been the subject of much interest and intellectual speculation since

² Exceptions include but are not limited to Dunning (2006), Giuliani & Macchi (2014), Kolk (2010), and economic work from e.g. Amin (1977), Evans (1979), Kohler and Tausch (2002).

at least the time of Adam Smith. Indeed, since its inception, the field of political economy has been in great part devoted to addressing the means by which society (and governments) might achieve an effective and more equitable redistribution of wealth. Adam Smith (1776) famously believed in the power of markets, arguing that competitive pressures would ultimately act to limit profits and wealth accumulation of firms. He also believed that worker's wages would continue to increase, reflecting their value as a key input to industry: "they who feed, clothe, and lodge the whole body of the people, should have such a share of the produce of their own labour as to be themselves tolerably well fed, clothed, and lodged" (Smith, 1776; 1:8). According to Smith, an uneven division of wealth between owners/employers and workers could only be explained by bargaining asymmetries between individual employers and employees, and Smith advocated taxes and regulation to correct this problem (Boucoyannis, 2013). Smith's view was surprisingly similar to Marx (1867), who identified exploitation of workers by employers (i.e., the owners of 'capital') as the key source of inequality. However, Marx was famously bereft of faith in markets to self-correct the inequities of capitalism. He argued that when workers are systematically exploited (and the state failed to address the imbalance) through adequate counter-measures, such inequalities would continue to increase indefinitely.

Thomas Piketty (2013) shares Marx's more pessimistic view, arguing that when the return to capital³ is higher than the return to labour, inequality between those who possess wealth and those who do not becomes aggravated. Stiglitz (2012) posits that this accumulation of wealth is further amplified by the greater political power that comes with wealth, which is used to shape the economy (and the policies of the state) to the benefit of the wealthy.

While Smith, Marx and Piketty all focus on inequality in income (though Smith only considers income an instrument to alleviate poverty and deprivation), inequality has many dimensions. The work of Amartya Sen (e.g., 1992, 2009) takes a much broader canvas, viewing income inequality (and economic measures of development) as one of several aspects of inequality that shape or impede the progress of human development. Sen makes a distinction between inequality in the distribution of a variety of human needs, including the quality of nutrition, access to health care, education, shelter and a variety of other factors. Development is not just about the capacity to maximise income, and underdevelopment is not only about differences in income, but also about the ability of individuals to optimise both the quality of their existence, and their potential. Sen's view is that non-income inequalities matter just as much, and ultimately also further exaggerates income inequality. Initial conditions matter: People have uneven access to a variety of resources due to, for instance, their race, gender or religion. When people are unevenly deprived of the freedom to optimise the quality of their existence, this exacerbates inequalities, and acts to impede significant sections of society.

³ Unlike Marx's approach to capital, Piketty includes all sources of wealth regardless of the way in which it was acquired.

Certain commentators believe that disparities in societies reflect differences in endowments and differences in individual skills, capabilities and cultural attitudes towards work (Cheung & Chang, 2007). These views accept that there is an aspect of luck associated with, for instance, being born to a specific gender, race or location, and that success is the fortunate outcome of genetics, upbringing and environment (Hughes, 2018; Krugman, 2016a) and because these circumstances may indeed play a role in determining inequality, extreme levels of inequality are not morally justifiable (Hughes, 2018).

Within-countries inequalities has a fundamental spatial element, in that there are often wide disparities between different locations within countries, whether between regions, or indeed, within cities or towns. The spatial discussion is as old as the debate on the sources of, and solutions to inequality: why do certain communities fail to prosper, while others do? Economics has a tradition of taking a dichotomous approach to understanding spatial inequality, the two most influential being the core-periphery approach (systematically analysed by Alfred Marshall [1919], and the basis of much of economic geography), and the dual economy model, which views countries taking a rural-urban division (Lewis, 1954). Both approaches address how resources (goods, labour and capital) move across the divide (or fail to do so). The core-periphery scholarship concluded that when there are declining costs of transportation and communication, the resultant increased commerce leads economic activity to re-organise itself along a core-periphery structure, to the benefit of the core (or the urban regions), and the detriment of the periphery (or the rural regions). That is, there a ‘hollowing out’ in the periphery, and an agglomeration of activity in the core, because economic activity will concentrate production where demand is greater, and where economies of scale can be gained (Benito and Narula, 2007). The dual economy in its original formulation was concerned with the flows of surplus labour from low-productivity (resource-intensive) rural locations, to higher productivity (and knowledge-intensive) activities located in urban locations. Later contributions have expanded the Lewisian approach to the informal-formal divide, and the role of firms and technology in facilitating the redistribution from one sector (and location) to another. Both the core-periphery and the dual economy model take the view, however, that the overall economy benefits from this redistribution in the long run. They are largely unhelpful for the policy maker who is interested in curtailing the ensuing inequalities, or is seeking to minimise societal imbalances in the shorter run.

Inequality and development

The Sustainable Development Goals (SDGs), adopted by all United Nations member states in 2015, encompass the 17 core challenges of global development. One of these core challenges is the reduction of inequality between and within countries (SDG #10). According to the United Nation’s 2019 Human Development Report, reducing inequality is a *sine qua non* to most of the other SDGs, and development in general. Eliminating poverty and hunger, improving access to healthcare, education and sanitation

are all unachievable if efforts do not disproportionately benefit the 10% of the world's population who currently receive little to none of the world's income (i.e. less than \$1.90 a day at PPP).

The work of Banerjee and Duflo (2007) highlights that it is a lack of access to resources which prevent the poor and deprived from improving their income and overall welfare. Poor nutrition, health care and lack of education are detrimental to productivity and thereby impede access to better-paid (and in some cases, even to subsistence) employment. For instance, a lack of tangible assets, proof of legal ownership, or access to the formal banking system limits small and informal actors in society from borrowing money to set up or expand their business (Narula, 2018b, 2019). Most of these exorbitant inequalities take place in developing countries with informal economies playing an outsized role, where the informal sector can account for as much as 80% of the activities. The persistence of the informal sector as the dominant aspect of an economy perpetuates low income levels and limits opportunities for development, thereby sustaining inequality with those who do have access to the formal economy (Narula, 2019; Ravi, 2018, Gradín and Sen, 2019). Moreover, inequality hampers development because it leads to social and political instability (Maskin, 2015), e.g. through increased crime rates, substance abuse, and (mental) health problems (Nolan et al., 2014; Wilkinson & Pickett, 2006, 2009a, 2009b), reduced trust (Gustavsson and Jordahl, 2008; Uslaner and Brown, 2005), and reduced social cohesion (Wilkinson, 1999).

In many instances, MNEs have created opportunities for entrepreneurial activity within the informal sector (Pietrobelli & Rabellotti, 2011). The fittest informal enterprises survive and expand towards the formal economy. Supporting the upgrading of the informal economy is key to reducing inequality (Chen, 2012), but most countries lack the capacity to do so. Informality is a major development trap. Individuals and enterprises pay no taxes are unable to seek credit, with no legal rights, and with limited access to public goods. Those trapped in the informal sector tend to be undernourished, less educated with shorter lifespans, and fewer opportunities to escape poverty (La Porta & Shleifer, 2008).

--- Table 1 about here ---

Table 1 offers details on how within-country income inequality has developed over 1983-2017 for several of the world's regions. It is measured by the Gini coefficient, which represents a country's income distribution and is the most commonly used measure of inequality. In a country with a Gini coefficient of zero every person receives the same income. In a country with a Gini coefficient of 100, all income is received by one person. As is evident from the scores, little to no progress has been made in term of reducing inequality within countries. Inequality has risen in many countries in the world, has somewhat diminished in Turkey and Colombia, and has diminished but remains high in Brazil.

This lack of progress in terms of reducing within-country inequality is contrasted in Table 1 with key development indicators that compare development between-countries: Youth literacy, life expectancy, infant mortality and average per capita income. In terms of literacy rates, progress is clearly being made. The same catching-up can be observed for life expectancy in all countries but South Africa. While infant mortality is still relatively high in India and Ghana, a significant improvement of 63 and 52 less deaths per 1000 births can be observed. GDP per capita also still widely varies by region, but has risen in consistently.

Additionally, Figure 1 shows the share of national income earned by the bottom half of the population across several of the world's regions. It illustrates how the absence of progress in reducing within-country inequality over the past three decades is observed in most regions of the world, with the exception of Latin America where the income share earned by the bottom half of the population has increased but still remains relatively low. Figure 1 also shows that it is not solely the top 1% compared to the other 99% of the population that is causing the more uneven distribution, but also the top half compared to the bottom half of population in terms of income.

--- Figure 1 about here ---

Overall, the evidence reviewed here and elsewhere confirms that in terms of health, education and poverty, there have been vast improvements made over the past three decades, suggesting that there has been a convergence in development *between countries*. However, in terms of the distribution of income *within countries*, the evidence suggests incomes are diverging rather than converging.

MNEs as instruments for development

Throughout the globe, countries are competing to attract FDI in hope of accelerating their economic development. This is based on the underlying assumption that FDI has a positive effect on development, particularly in the interaction between domestic actors and MNEs (Narula and Dunning, 2010). One of the most researched positive effects involves the potential productivity advances of local firms benefitting from knowledge spillovers from MNEs' subsidiaries (e.g., Altomonte and Pennings, 2009; Buckley et al., 2007; Giroud, 2007; Ha and Giroud, 2015; Meyer and Sinani, 2009). These positive effects arise because MNEs possess firm-specific advantages (FSAs), such as superior technology and managerial capabilities, which local firms in the host country lack (Driffield and Love, 2007; Narula and Driffield, 2012). When these knowledge sets and skills are transferred to local firms through vertical and horizontal linkages as well as other mechanisms (such as the competition effect), it can positively

affect host country economic development by increasing productivity (Giroud, 2007; Jindra et al., 2009).

Potential negative effects of MNE activity have received considerably less attention, from both researchers and policy makers. Negative effects that have received attention include the role of resource seeking MNEs in depleting natural resources (Narula, 2018a; Pearce and Tang, 2019). Other streams of research focus on MNEs being complicit in the exploitation of workers and breaching of human rights (Kolk, 2016). Moreover, there is increasing controversy surrounding the tax avoidance of MNEs and the preferential treatment over local stakeholders they receive from host country policy-makers (Stiglitz, 2019). A small but vocal number of researchers have commented on this “dark-side of MNE-state relations” (Eden and Lenway, 2001, p. 383). However little attention has been paid to the relationship between MNE activity and inequality, and the associated consequences for development. This may in part be due to the overly optimistic view of the effects of FDI (Giuliani and Macchi, 2014), the lack of data about the more vulnerable and deprived population groups, and difficulty in modelling distributional effects (Krugman, 2016b).

As Table 2 shows, there has been a rapid growth in the share of MNE activity in the total economic activity of most countries, and a convergence to a higher level of MNE participation in formal economic activity. It is reasonable to conjecture that on average MNEs play a growing role – both directly and indirectly – through the wages they pay and employment they provide (Helpman et al., 2008; Javorcik, 2014). It is therefore no surprise the increasing international activity of MNEs is regarded to play a role in this persistence (and growth) of income inequality (Bourguignon, 2015; Chen et al., 2011; Lee and Wie, 2015; Maskin, 2015; Milanovic, 2016).

--- Table 2 about here ---

Much is still unclear about the mechanisms underlying the link between FDI and inequality. While research in economics has established (and measured) the existence of a wage premium associated with FDI (e.g. Hijzen et al., 2013) which results in income inequality between employees of foreign and locally owned firms – there is limited IB research on the topic. We will therefore first give a short overview of how inequality is related to nature of the MNE, before discussing possible research avenues including the moderating role of MNE investment motives and specific elements in the MNE industry, home and host country context we believe most promising.

Our discussion of the link between MNEs and inequality is by no means exhaustive and, as will become clear from our discussion, the factors discussed are interdependent in their mitigating effects. There are (many) other potential mechanisms and other types of inequality and income which can play a role. For

instance, MNEs influence public policy such as tax policy in both their home and host countries (Rizopoulos and Sergakis, 2010) which in turn affects income and wealth inequality. MNE also differ in the dividends they pay their shareholders, and wealth they create for their owners (Kim and Jeon, 2015), thereby affecting other types of income inequality and wealth inequality, in both the home country and their various host countries. Furthermore, reverse relationships exist. For instance, income inequality influences public policy on FDI (Hashai and Buckley, 2019).

A large literature in the intellectual space accorded to economic geography has discussed the spatial distribution effects of FDI at the sub-country, regional level (e.g., Barrell and Pain, 1999; Bailey and Driffield, 2002; Kottaridi, 2005; Fu et al., 2011). Most recently, the case of China's rapidly increasing regional income inequalities has been the focus of much research (e.g., Fu, 2004; Wei et al., 2009; Zhao and Zang, 2007). While this is a legitimate and significant area of study, it is a research field in its own right.

Our primary aim in this research note is to introduce an important subject for future research: We are unable, in the space available to us, to provide a comprehensive research agenda on all aspects of the role of the MNE in affecting equality. Nor, it should be emphasised, do we wish to weigh in on the moral and ethical imperatives that shape the actions of MNEs and the net social outcomes of these actions.

MNE employment, human capital upgrading and income inequality

We believe the most direct and strongest link between MNEs and inequality is through the wages they pay and employment they provide, and it provides the most fruitful avenue to start research in the largely unexplored domain of the distributional effects of FDI. The capacity of the MNE to generate employment and upgrade the quality of the host country's human capital is arguably its most immediate and significant contribution to the conventional development objectives of an MNE-assisted development agenda. Figure 2 illustrates a general organizing framework.

--- Figure 2 about here ---

We want to highlight that the direct employment effects of MNEs at an aggregate level tends to be modest. MNEs directly employed only 75.8 million people in 2018 (UNCTAD, 2019), about 2.2% of the global labour force. Nonetheless, MNEs often play a disproportionately large role in two very different types of sectors. First, they tend to have a disproportionately large role in the more competitive or dynamic sectors typified by high growth rates. Second, MNEs tend to dominate in mature sectors

where economies of scale, branding and advertising determine market share (e.g., petroleum products, chemicals, automobiles, food and beverages and consumer goods). In such sectors, while the technology underlying these industries may be diffused and codified, proprietary FSAs have meant that just a few MNEs maintain a large share of the global market. The significance of MNEs is much greater when one includes secondary and tertiary employment effects, as illustrated in figure 2.

Knowledge spillovers through employee mobility

One of the key source of differences between MNEs and local firms are FSAs. They explain why MNEs pay better than locally owned firms (Almeida, 2007; Chen et al., 2011; Heyman et al., 2007; Hijzen et al., 2013) creating direct distributional effects instantly. This is because these higher wages are considered to reflect a desire to prevent spillovers through attrition to domestic competitors. Through training and experience, MNEs' local employees become familiar with the firm-specific technology and management practices (Martin and Salomon, 2003) which are superior to those of local firms (Caves, 1996; Dunning, 1988; Javorcik, 2014; Javorcik and Poelhekke, 2017; Rugman and Verbeke, 2001). When employees find jobs elsewhere or start their own companies, knowledge leaks out of the firm and the MNE may lose its competitive edge. The relatively high wages paid by MNEs are thus primarily motivated by the need to retain employees (Fosfuri et al., 2001; Glass and Saggi, 1999, 2002; Globerman et al., 1994). While these relatively high paying jobs are obviously beneficial to the employees securing them, they do cause a divergence in incomes.

Skill-biased employment

MNEs require a large spectrum of both high skilled employees and unskilled workers. At the upper end of the spectrum, highly skilled technical and managerial expertise is required to fully exploit the MNE's FSAs. FSAs are embodied in managerial practises, products and process designs, and services provision which have typically been transferred from the MNE headquarters to subsidiaries. Managerial and technical roles in an MNE's subsidiary are reliant on greater skills than local firms because of the complex context of multinationality and (cultural) distances between the headquarters and subsidiaries, as well as multiple interests across geographies (Collings et al., 2019; Fajnzylber and Fernandes, 2009; Meyer and Xin, 2018; Morris et al., 2016; Tarique et al., 2006; Tatoglu et al., 2016). MNEs typically rely on skilled employees to have a high threshold level of absorptive capacity (Wang and Blomström, 1992). Consequently, skilled workers in MNEs therefore benefit more in terms of increased productivity and associated wages compared to unskilled workers (Narula, 2019).

At the other end of the spectrum, MNEs also locate abroad for the exploitation of low-wage unskilled labour, and indeed, this may be the host country's primary location advantage. The skills required tend to be low by definition. Still, this skill level is likely to be higher relative to that of the average domestic firm in the host country (Fajnzylber and Fernandes, 2009; Feenstra and Hanson, 1996; Keller, 2004). Moreover, while much efficiency seeking FDI may indeed create low skilled, assembly (line) jobs in

the 20th century, the growing volumes and increasing automatization and complexity of the processes and products involved have increased considerably over the past decade. Since the 2008 crises FDI has de-industrialized and efficiency seeking FDI now includes a considerable share of (administrative) service jobs. Consequently, the skills demanded by efficiency-seeking-FDI induced employment has increased (Francisco, 2015; Lee and Wie, 2015) and its positive effects for the least advantaged has dwindled.

Previous studies (e.g. Beugelsdijk et al., 2008) have distinguished between the effects of vertical and horizontal FDI, Horizontal FDI may create larger spillover effects than vertical FDI because of its more intensive use of (knowledge) capital in the local economy. Vertical FDI, on the other hand, is associated with a relatively stronger impact on local labour demand. Consequently, the relative importance of these two effects will determine which type of FDI affects economic growth to the largest extent.

These increasing skill demands have a detrimental effect on female employment, and consequently, on gender inequality in employment. Initially, efficiency-seeking FDI in Asia, Africa and Mexico created female employment, as women were the cheapest and most productive source of low skilled labour (Francisco, 2015). Female wages are traditionally lower, as they are culturally perceived as secondary earners, not breadwinners, and a gender wage gap is socially accepted (Akerlof and Yellen, 1990; Charles, 2011). The gender wage gap, limited labour rights and poor access to job training for women further enforces this gender wage gap (Seguino, 2011; Doraisami, 2012; Berik, 2012). Over the past decade however, the demand for low-wage, unskilled female workers has plummeted, concomitant with the increase of skill-bias embodied in FDI. As women in developing countries tend on average to be less educated and trained than men, there are fewer opportunities for female workers. The share of female employment has consequently dropped in many countries, the so-called “defeminisation” of FDI (Aguayo-Tellez, 2011; Francisco, 2015).

Empirically, Hyun and Ravi (2019) and Ravi (2018) find trade and FDI liberalization in India has indeed largely benefited relatively high skilled workers. Their analysis reveals an additional factor in the relationship between MNEs and inequality: the informal sector. Because of the skill-bias in MNEs and their supplier (and the absence of hard regulation), low skilled workers are often employed informally. Informal employment is characterized by low productivity, a lack of social security and legal protection, as well as insubstantial and ad-hoc income (Narula, 2019).

Despite low skilled workers not being employed (and employable) by MNEs, MNEs have an impact on workers in the informal sector too. MNEs are under pressure (from their home country and markets) to ensure relatively high standards of product quality and working conditions in their supply chains. They therefore have strict labour standards guidelines for their suppliers (Davies and Vadlamannati, 2013; Ravi, 2018; Schrempf-Stirling and Palazzo, 2016). Historically, a network of informal enterprises provided inputs for many of the first-tier MNE suppliers in developing countries. As MNE requirements

for suppliers have tightened and are expanded to second and third-tier suppliers, many informal enterprises lose their business, as they are unregistered and commonly lack the resources, skills and access to credit to meet MNE requirements (Godfrey, 2011; Kabeer, 2004; Narula, 2019). The resulting shrinking size of the informal sector is detrimental for its wages and employment (Ravi, 2018), a concerning development as those working in the informal sector are the most vulnerable part of the population with little access to high quality nutrition and health care (Banerjee and Duflo, 2007; La Porta and Shleifer, 2008).

Avenues for further research

While the macro-level research since the 1980's has given us many insights on the link between FDI and development, it tells us very little about how FDI affects inequality *within* countries. While a robust literature exists on understanding the nature and magnitude of these inequalities per se, we know very little on the role of MNEs. By focussing on MNEs, key actors in an age of globalization, we offer a few suggestions for future research where IB can be particularly useful.

How do MNE investment motivations affect inequality? It is well-known that investment motives play a significant role in shaping the distributional effects of FDI (Morrissey, 2012; Santangelo, 2018). For instance, as Pearce and Tang (2019) note, market-seeking FDI improves the product offerings for consumers, and increased competition can further lower prices. Although lower prices may not directly affect income, it does affect welfare. At the same time, market-seeking FDI can also crowd out local firms and negatively affect employment (Kosova, 2010; Narula and Dunning, 2010). Natural resource seeking FDI on the other hand, often results in fewer linkages with developing host economies (Narula, 2018a) than knowledge- and efficiency-seeking FDI. The investment motive of the MNE therefore can thereby have a substantial moderating effect on inequality. However, it is simplistic to consider specific FDI motives to be associated with specific net outcomes, because this is a function of the complementarity between the MNE's motivation to make the investment in the first place, and the host country's location advantages.

How is inequality different for FDI in the service sector? While historically much FDI was concentrated in the primary and manufacturing sectors, with the establishment of the WTO and the growing liberalisation of the global economy, there has been a growing role of MNEs in the provision of cross-border services (including banking, insurance, hospitality, real estate, and entertainment). We know little about the development effects of services FDI, and consequently the net distributional effects of services MNEs. One such effect may be an increase in demand for "pink-collar" jobs which include unskilled employment in the service industry (Francisco, 2015), including (for instance) cleaning ladies in international hotels chains. While FDI in the service industry may provide employment to unskilled women, the quality of these jobs can even be inferior to that in local firms (Oxfam, 2017). The

traditional belief that FDI provides relatively attractive and well-paying jobs, stemming from the days where MNEs operated ‘miniature replicas’ in developing countries that covered all aspects of value adding activity, is in need of revaluation given the more recent trends in FDI.

What is the role of spatial disparities in location advantages on inequalities? MNEs tend to concentrate in urban areas, as there is superior infrastructure and skilled employees available compared to (remote) rural areas. Moreover, in several countries, urban areas are designated by governments as special economic zones with preferential taxes and regulations. Consequently, FDI-induced high-quality employment tends to concentrate in urban areas (Yabuuchi, 1999). This amplifies inequalities rooted in low levels of infrastructure and the absence of employment opportunities in rural areas. Even within urban areas there can be great diversity in the quality of infrastructure. For instance, access to quality education, health care and public transportation to the employment hubs where MNEs are typically concentrated is limited from many urban slums. Moreover, for residents of these disadvantaged areas, social stigma and lack of advantageous social networks may reinforce inequalities (Le Galès and Pierson, 2019).

How can MNEs affect the Informal Sector? Up to 80% of less-developed economies tend to be engaged in the informal sector, and despite its size and economic relevance, IB research and the role of FDI-assisted development on the informal sector is poorly studied (Narula 2018a, 2019). Ravi’s (2018) small scale investigation into this relationship demonstrates the effects may be profound. Many informal enterprises historically depend on ties with formal firms, and these ties may be severed due to the growing compliance requirements MNEs place on suppliers in their supply chains (Narula, 2019). More insight and awareness are needed on how the actions of MNEs, sometimes even when intended to improve labour conditions, can negatively affect the most vulnerable members of society at the lowest percentiles of the income distribution.

Informal sectors are poorly understood, but we do know they are intransigent to radical change. Given that informality is a key hallmark of many developing countries, and at the heart of underdevelopment, any ‘real’ progress in development terms requires understanding how MNEs can best engage with informal actors.

How do home countries influence the activities of their MNEs? Incidents in the global value chains of MNEs and the consequently increased media scrutiny has resulted in substantial pressure from home country consumers, governments and NGO on MNEs to ensure fair wages and working conditions at their subsidiaries and suppliers (Davies and Vadlamannati, 2013; Detomasi, 2008; Ravi, 2018; Schrempf-Stirling and Palazzo 2016; Toffel et al., 2015). Meanwhile, other research has found home country consumers are not sensitive to the ethical considerations in their purchasing decisions (Auger and Devinney, 2007; Öberseder et al., 2011) and high levels institutional pressure to improve labour conditions in MNE home countries prompts MNEs to relocate their socially undesirable operations

abroad (Surroca et al., 2013; Weng and Peng, 2018). While IB literature has come a long way in establishing the relevance of the home country context for MNEs (Cuervo-Cazurra et al., 2015; Hoskisson et al., 2013; McGaughey et al., 2016), there is room for improvement in our understanding of how the MNE home country context affects distributional outcomes in MNE host countries.

Conclusions

Research into the extent to which MNEs affect within-country inequalities is still in its infancy. We are only beginning to understand the complexities of how multinationals affect inequality in their host countries. Like Oetzel and Doh (2009), we find initial research on the impact of FDI and MNEs on host countries to excessively rely on spillover arguments and present an overly rosy view of net outcomes for host countries. We think Pearce and Tang's (2019) suggestion to explore the interaction between MNEs and national economies from this angle can generate important new insights. In our view, these insights should be complemented by studies on how MNEs affect the development of host countries in other dimensions beyond income and employment.

While a number of SDGs have been extensively studied in IB research (particularly clean energy, climate action and innovation), little to no attention has been paid to those SDGs that affect the people at the bottom of the income distribution most directly: poverty, hunger, health and education (Kourula et al., 2017). As reduced inequality is a precondition for advancing the development agenda on these SDGs, and inequality is affected by MNE activity, research on these SDGs in particular could further advance our understanding of the broader impact MNEs have on development.

MNEs seek specific location advantages, and by definition the kinds of workers they employ reflect the comparative advantage of the host location. Private firms, including MNEs and their domestic suppliers, are focused on financial objectives, only secondarily pursuing social objectives (Kannothra et al., 2018). While they may have CSR objectives which include increasing diversity and improving the welfare of their workers, the efficiency of their investments and the economic returns are often paramount. Besides, every action – no matter how well intended – will likely have unintended consequences, some of which may be adverse. It can be argued that it is a fool's errand to predict (and minimise) adverse outcomes, especially those that are several degrees removed from the MNE. It also seems unrealistic to hold the MNE responsible for those outcomes that only become apparent several years down the line, or are several degrees removed. Nonetheless, MNEs are increasingly conscious of the public and stakeholder awareness of social outcomes, and future research that helps to minimise outcomes that are undesirable becomes necessary if academic research is to offer concrete policy and firm implications. We have offered a few suggestions for future research on the relationship between MNEs and inequality, particularly at the firm, industry, and country level.

It is important to note that we do not take the view that the MNE seeks deliberately to negatively affect inequality. Rather, we believe that MNEs (like most firms) are primarily rent-optimising economic actors, whose central responsibility is to its stakeholders. Their influence on inequality is largely passive, and (from the MNE's perspective) an unintended outcome from their primary value-adding activities. Nonetheless, the consequences of MNEs on inequality— whether intended or unfortunate — are real, and deserve more careful study if states, civil society or firms are to act to mitigate them.

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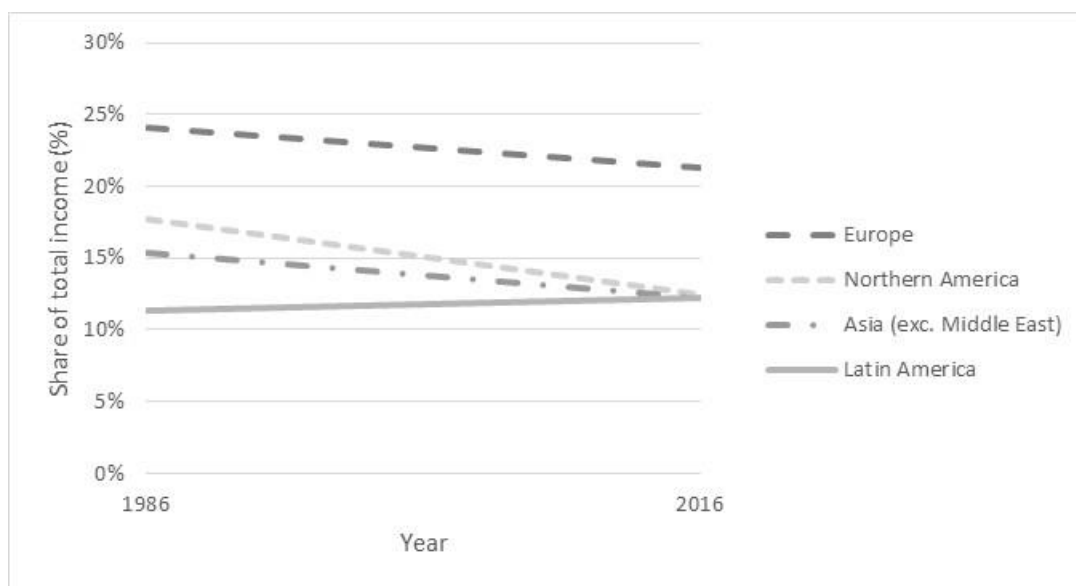
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FIGURE 1 Average national income shares of the 50% bottom earners



Source: authors. Data derived from the World Inequality Database

FIGURE 2 Organizing Framework

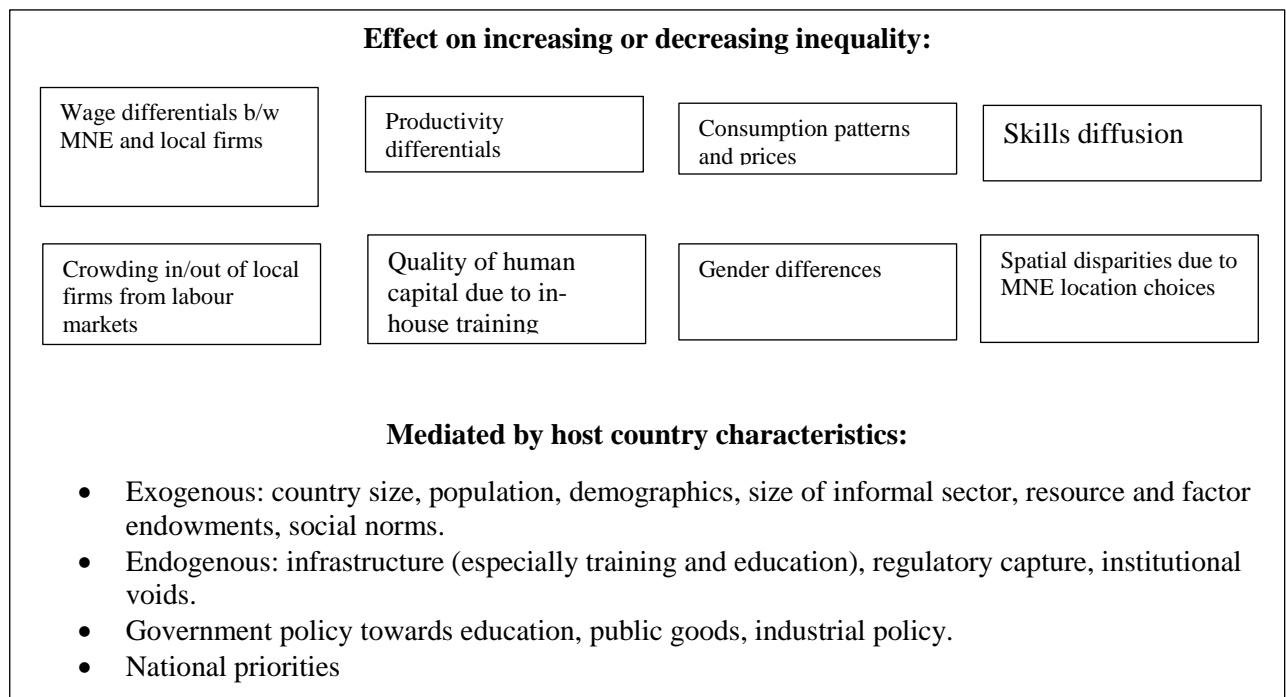
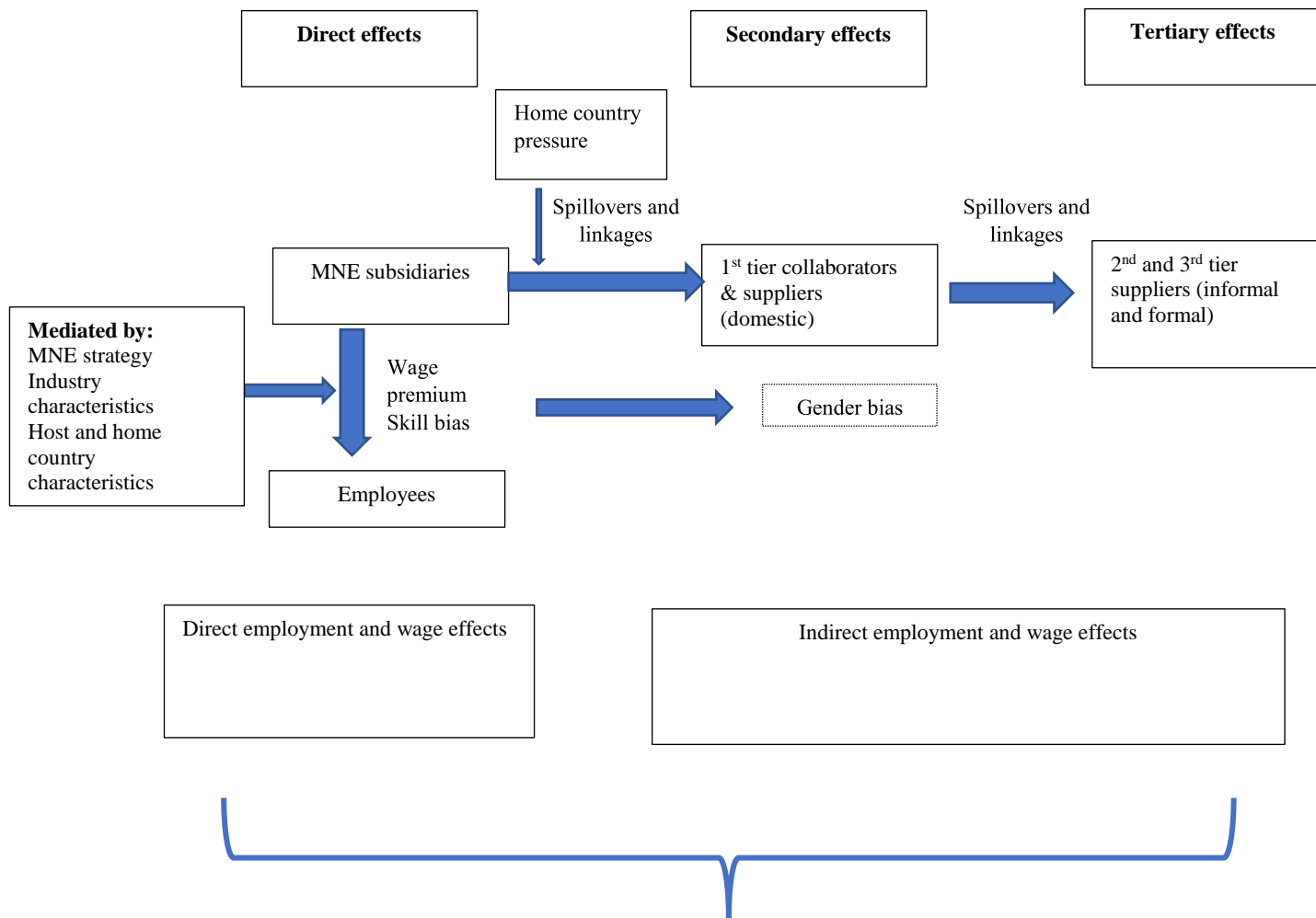


Table 1: Inequality and development indicators, selected countries, 1983-2017 (or closest year)

Country	Inequality (Gini)			Youth Literacy (%)			Life expectancy (years)			Infant Mortality (per 1000 births)			GDP/capita (US\$ '000 at PPP)		
India	1983	2011		1981	2011		1983	2011		1983	2011		1990	2011	
	32.1	35.7	↗	54	86	↗	55	67	↗	106	43	↘	1	5	↗
China	1990	2015		1990	2010		1990	2015		1990	2015		1990	2015	
	32.3	38.6	↗	94	100	↗	69	76	↗	42	9	↘	1	14	↗
Indonesia	1984	2017		1989	2016		1984	2017		1984	2017		1990	2017	
	32.4	38.1	↗	85	100	↗	61	69	↗	76	21	↘	3	12	↗
Turkey	1987	2016		1985	2016		1987	2016		1987	2016		1990	2016	
	43.5	41.9	↘	91	100	↗	63	76	↗	64	11	↘	6	26	↗
Romania	1989	2015		1992	2011		1989	2015		1989	2015		1990	2015	
	23.3	35.9	↗	99	99	→	70	75	↗	26	8	↘	5	22	↗
Poland	1993	2016					1993	2016		1993	2016		1993	2016	
	26.7	30.8	↗				72	78	↗	14	4	↘	7	28	↗
Morocco	1984	2013		1982	2012		1984	2013		1984	2013		1990	2013	
	39.2	39.5	↗	44	91	↗	61	75	↗	80	24	↘	3	7	↗
Ghana	1987	2016		2000	2010		1987	2016		1987	2016		1990	2016	
	35.3	43.5	↗	71	86	↗	55	63	↗	89	37	↘	1	4	↗
South Africa	1993	2014		1980	2015		1993	2014		1993	2014		1993	2014	
	59.3	63.0	↗	85	99	↗	62	61	↘	46	33	↘	6	13	↗
Brazil	1981	2017		1980	2015		1981	2017		1981	2017		1990	2017	
	58.0	53.3	↘	84	99	↗	62	76	↗	74	13	↘	7	16	↗
Colombia	1992	2017		1993	2016		1992	2017		1992	2017		1992	2017	
	51.5	49.7	↘	95	99	↗	69	75	↗	27	13	↘	5	15	↗
Jamaica	1988	2004		1991	2014		1988	2004		1988	2004		1990	2004	
	43.2	45.5	↗	92	96	↗	72	73	↗	27	18	↘	5	7	↗

Notes

1. Within-countries inequality is measured by the Gini coefficient, data derived from the World Bank Database and measured over the first and the latest year available.
2. Due to data limitations Youth Literacy (percentage of people aged 15-24) is unavailable for Poland. All development indicators are measured over the same period as the inequality indicator, or the closest year available. All development indicators are derived from the World Bank Database.

Table 2: Inequality and FDI Indicators 1983-2017 (or closet year)

Country	Inequality (Gini)			FDI inflow (% GDP)			FDI stock (% GDP)		
India	1983	2011		1983	2011		1983	2011	
	32.1	35.7	↗	0.0	1.9	↗	0.3	11.0	↗
China	1990	2015		1990	2015		1990	2015	
	32.3	38.6	↗	0.8	1.2	↗	4.5	11.0	↗
Indonesia	1984	2017		1984	2017		1984	2017	
	32.4	38.1	↗	0.2	2.0	↗	5.3	22.8	↗
Turkey	1987	2016		1987	2016		1987	2016	
	43.5	41.9	↘	0.1	1.6	↗	7.9	17.4	↗
Romania	1989	2015		1989	2015		1989	2015	
	23.3	35.9	↗	0.0	2.2	↗	0.0	39.4	↗
Poland	1993	2016		1993	2016		1993	2016	
	26.7	30.8	↗	1.8	3.3	↗	2.4	40.0	↗
Morocco	1984	2013		1984	2013		1984	2013	
	39.2	39.5	↗	0.3	3.1	↗	16.8	48.5	↗
Ghana	1987	2016		1987	2016		1987	2016	
	35.3	43.5	↗	0.1	6.3	↗	2.8	54.3	↗
South Africa	1993	2014		1993	2014		1993	2014	
	59.3	63.0	↗	0.0	1.6	↗	7.9	39.6	↗
Brazil	1981	2017		1981	2017		1981	2017	
	58.0	53.3	↘	1.1	3.3	↗	8.5	30.3	↗
Colombia	1992	2017		1992	2017		1992	2017	
	51.5	49.7	↘	1.2	4.5	↗	6.2	58.1	↗
Jamaica	1988	2004		1988	2004		1988	2004	
	43.2	45.5	↗	-0.3	5.9	↗	12.7	56.3	↗

Notes

1. Within-countries inequality is measured by the Gini coefficient, data derived from the World Bank Database and measured over the first and the latest year available.
2. FDI indicators are derived from the UNCTAD database. All FDI indicators are measured over the same period as the inequality indicator, or the closest year available.