

The mediation role of companies' dynamic capabilities for business performance excellence: insights from foreign direct investments. The case of transitional partnership

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4

CAMPUSES

35 100

STUDENTS

223

EDUCATIONAL
PROGRAMMES

65 000

ALUMNI

7000

INSTRUCTORS
AND RESEARCHERS

80 >1.2 mln PARTICIPANTS
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20 DORMITORIES

63 STUDENT CLUBS

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442 EXPERTS AND ANALYSTS

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QS – Top 50 Under 50, 2017

48



THE World University Rankings, 2017

351–400



THE Young University Rankings, 2017

96



THE World University Rankings by subject

Business & Economics
(2017/2018)

101–125

Social Sciences,
2017/2018

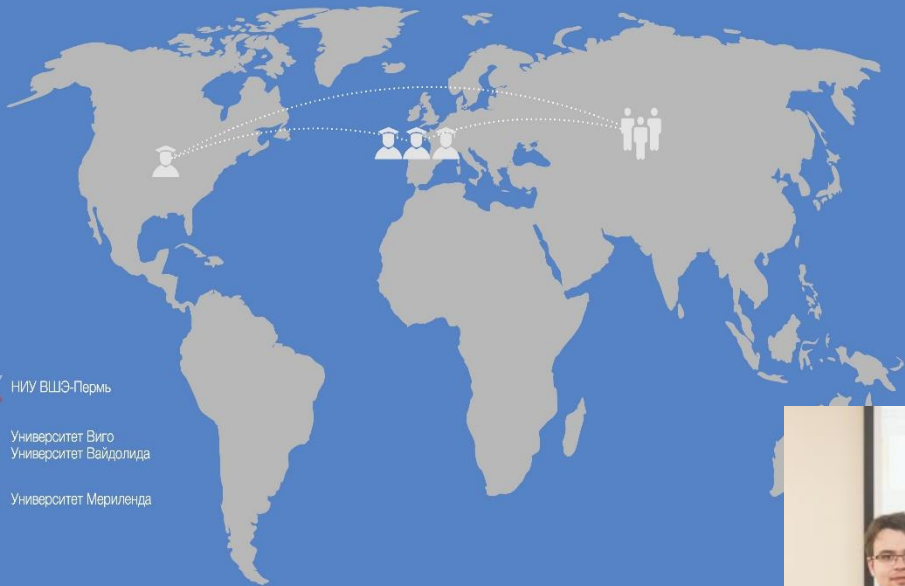
176–200

Arts & Humanities
(2017/2018)

176–200

International laboratory on Intangible-driven Economy (IDLab)

География МЛЭНА в 2016



- Corporate governance issues in large companies
(ownership structure, board of directors, agency conflict)
- Companies strategic decisions towards intangibles.
(large corporations and SMEs)

•Information disclosure and its influence on firm results

•Specific intangibles of organizations in the sport sector.

•Measurement of intangibles in the context of digitalization



Several stylized facts about FDI in transition/developing countries

- The half of largest FDI recipients are developing countries (UNCTAD, 2016)
- Since 2012 – for the first time ever – emerging economies absorbed more FDI than developed countries, accounting for 52 per cent of global FDI flows (UNCTAD, 2016)
- If in developed countries FDI inflows fell dramatically during 2008-2015, transition economies have seen a relatively small decline during the same period and reach a new high of \$765 billion in 2015 (UNCTAD, 2016).
- Companies with foreign ownership in Russia continuously increased over the past 10 years and equalled more than 23,000 at the end of 2016, twice as many as in 2004. (Rosstat,2016)

The idea of the paper came from....

- **The importance of FDI** towards the firm growth through (apart from loosing financial constraints)
 - human capital formation support,
 - knowledge transfer,
 - adoption of modern and sophisticated technologies from the parent company to its affiliate,
 - enhancement of competitive business environment (Li et al., 2013).
- A significant debate and **inconclusive results**, especially in understanding partnerships in the context of developed and transitional economies (Greenaway et al., 2014 or Du et al., 2012)
- Recent studies put the evidence that benefits for local companies' performance are not automatic: firm should **be able** to get benefits (Taglioni and Winkler, 2016)
- In previous paper we observed **non-significant direct** relationship between FO and company performance for Russian companies...it looks strange!

Our guess was....

Probably, something should “happen” with foreign ownership inside companies allowing to transform opportunities (benefits) that foreign ownership has to company success

One of the explanations is a ***concept of dynamic capabilities*** (Teece, 1997)

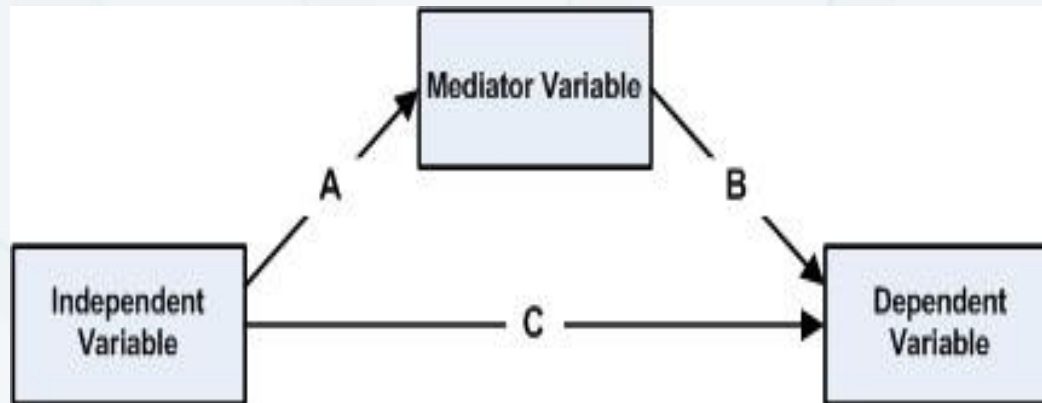
DC are capacities of a firm to purposefully create, extend, and modify its resource base (Helfat et al., 2007)

Types of DCs (Zahra and George, 2002, Moore and Fairhurst, 2003, and Wang and Ahmed, 2007, Murray et al., 2011):

- *Absorptive*: identification, acquisition and developing of external resources through the sourcing, transfer and internalization processes (AbsCap)
- *Adaptive*: transformation, integration and reconfiguration of existing resources from various parts of the organization to allowing combining them with newly acquired ones to address changing environments (AdCap)
- *Communicative*: understanding, assimilating and interpreting external information for developing an effective company communication message to customers, foreseeing market opportunities for new products, thereby quickly developing and launching new products to meet customers' preferences (CmCap)

Mediation effect

- Mediation is a hypothesized causal chain in which one variable affects a second variable that, in turn, affects a third variable. The intervening variable, M, is the mediator. It “mediates” the relationship between a predictor, X, and an outcome.



Mediation effect of DCs

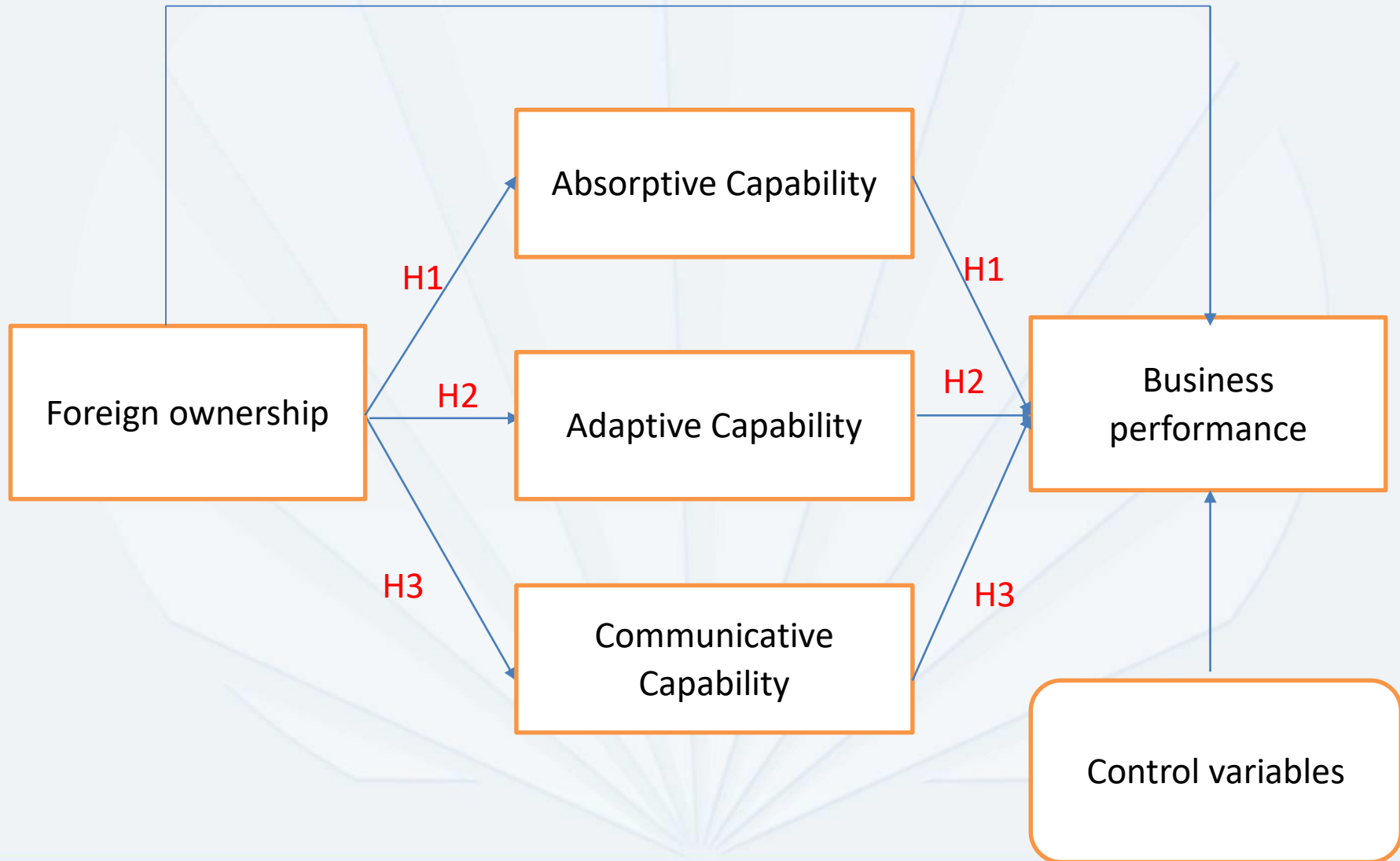
- *Absorptive capability* enables domestic firms in co-operation with international enterprises learn and easily acquire the advanced technology and managerial and business skills from foreign partners and finally produces products (Murray et al., 2011).
- *Adaptive capability* enables a firm to understand the necessity of changing and developing internal resources for meeting the requirements of the foreign owner, and is therefore identified as a crucial factor in achieving success in emerging economies (Birkinshaw and Hood, 1998)
- *Communicative capability* enables the effective identification and implementation of knowledge about high product quality standards, modern technologies and best practices, and approaches to delivering firm product image to distributors and customers (Spyropoulou et al., 2011).

***H1:** The effect of foreign ownership on business performance is partially mediated by Absorptive Capability.*

***H2:** The effect of foreign ownership on business performance is partially mediated by Adaptive Capability.*

***H3:** The effect of foreign ownership on business performance is partially mediated by Communicative Capabilities.*

The Multiple Mediator Research Framework

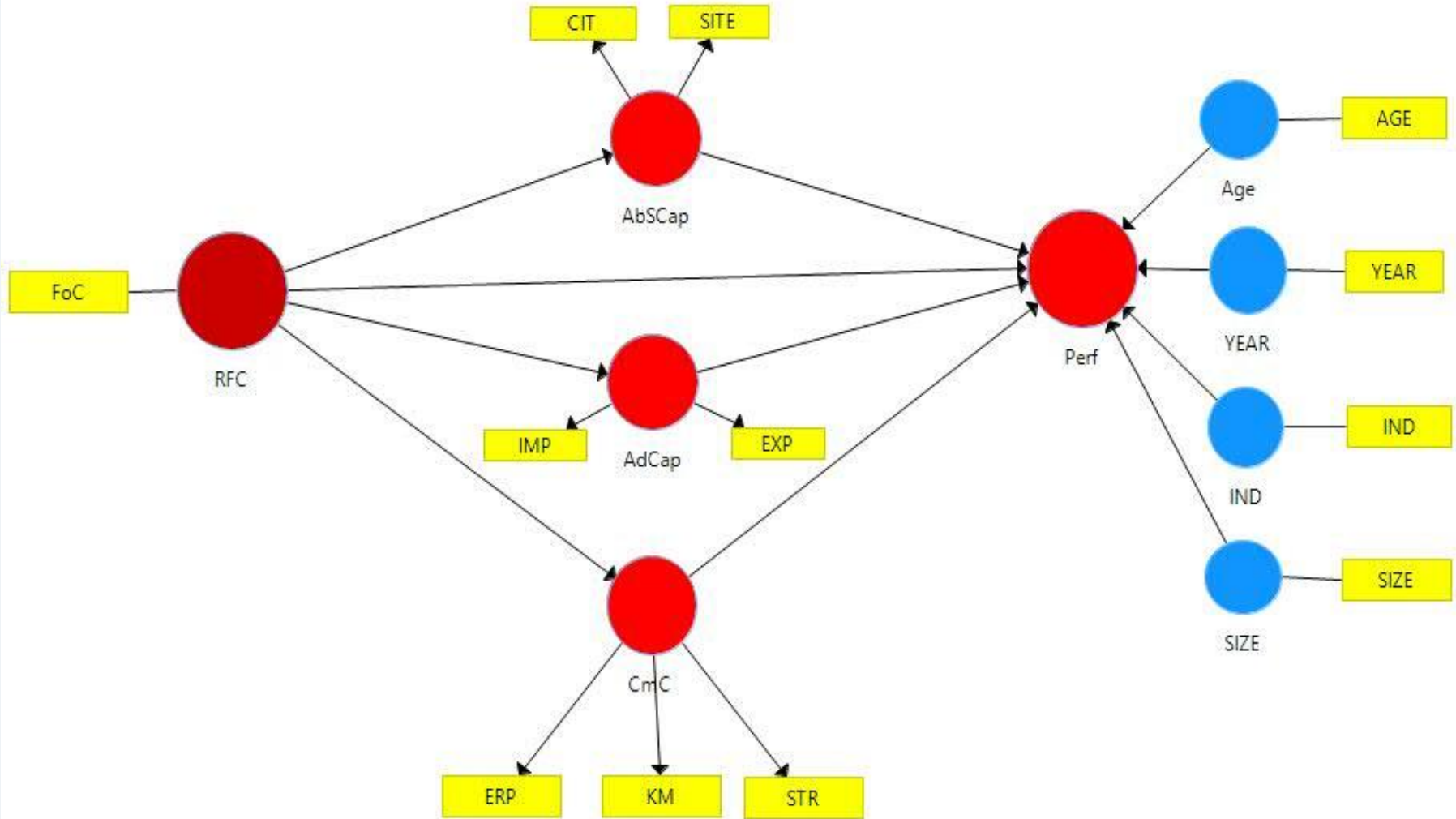


- 1,096 Russian companies for the period 2004 -14, or 12,056 firm-year observations.
- It presents all economic sectors and corresponds with industry distribution in Russia
- Aside from financial information, the data set contains information regarding
 - the presence of company foreign ownership as a percentage of shares belonging to foreign investors,
 - data related to where the capital originates from
 - data about different types of company's capabilities, collected from publicly available sources.
- The share of companies in our sample with foreign ownership is 26%, which more or less corresponds to the proportion in the Russian economy in general according to Russian Statistics Agency data.

Methodology: PLS-SEM approach

- Partial Least Squares – Structural Equation Model (PLS – SEM) estimation, proposed by Wold (1975) and extended by Lohmoeller (1989), applying *SmartPLS 3.0* Software
- Among variance-based SEM techniques, PLS is the most advanced approach to SEM (Dijkstra and Henseler, 2015).
- PLS-SEM is a “*soft-modeling approach*” (Wold, 1980) and advantageous compared to covariance-based SEM in analyzing predictive research models without well-developed theory and for reflective constructs investigation (Henseler et al., 2016).
- Using of PLS-SEM is advisable in case of investigating secondary data (Gefen et al. 2011).
- The PLS-SEM algorithm transforms non-normal data in accordance with the central limit theorem (Hair et al., 2017).

Path diagram in *Smart PLS3.0*



Descriptive statistics

| Variable | Mean | SD | Min | Max |
|----------|----------|-----------|--------|--------|
| CIT | 2.963 | 1.516 | 0 | 7 |
| SITE | 2.105 | 1.131 | 0 | 4 |
| EXP | 0.242 | 0.428 | 0 | 1 |
| IMP | 0.306 | 0.461 | 0 | 1 |
| KM | 0.039 | 0.193 | 0 | 1 |
| ERP | 0.130 | 0.337 | 0 | 1 |
| STR | 0.190 | 0.393 | 0 | 1 |
| SIZE | 4238.000 | 19376.000 | 1 | 456000 |
| AGE | 30.000 | 37.000 | 0 | 303 |
| EVA | 0.007 | 0.157 | -0.250 | 0.349 |
| ROA | 0.042 | 0.100 | -0.387 | 0.447 |
| FDI | 0.256 | 0.437 | 0 | 1 |

Model estimation

| Dependent variable | EVA | ROA |
|--|---------------------|---------------------|
| Relations | Coef (St.Dev) | Coef (St.Dev) |
| Absorptive capability -> Performance | 0,061** (0.022) | 0,025** (0,009) |
| Adaptive capability -> Performance | 0,060*** (0.009) | 0,058*** (0,011) |
| Communicative capability -> Performance | 0,115*** (0.033) | 0,061*** (0,008) |
| Foreign direct investments -> Absorptive capability | 0,060*** (0.010) | 0,068** (0,007) |
| Foreign direct investments -> Adaptive capability | 0,212*** (0.009) | 0,212*** (0,009) |
| Foreign direct investments -> Communicative capability | 0,146*** (0.011) | 0,151*** (0,010) |
| Foreign direct investments -> Performance | 0,002 (0.010) | 0,008 (0,009) |
| AGE -> Performance | -0,010* (0.005) | -0,013 (0,009) |
| SIZE -> Performance | 0,300*** (0.062) | 0,020*** (0,005) |
| IND -> Performance | Included | Included |
| YEAR -> Performance | Included | Included |
| Number of observations | 10,860 | 10,860 |

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Evaluation of magnitude and significance of mediation effects

| Corp.Perf. indicator | Relations | Direct effect | Indirect effect | Total indirect effect | Total effect | VAF, % | StDev | Z-values | p-value |
|----------------------|-----------------------|---------------|-----------------|-----------------------|--------------|-------------|-------|----------|---------|
| EVA | FDI-Perf | 0,002 | | | 0,034 | | | 0,897 | 0.370 |
| | AbsCap-FDI-Perf | | 0,004 | | | 11,8 | 0.006 | 0,599 | 0.000 |
| | AdCap-FDI-Perf | | 0,013 | | | 38,2 | 0.002 | 5,238 | 0.000 |
| | CmCap-FDI-Perf | | 0,017 | 0,034 | | 50,0 | 0.004 | 4,711 | 0.000 |
| ROA | FDI-Perf | 0,008 | | | 0,023 | | | | 0.371 |
| | AbsCap-FDI-Perf | | 0,002 | | | 8,7 | 0.001 | 1,170 | 0.000 |
| | AdCap-FDI-Perf | | 0,012 | | | 52,2 | 0.001 | 17,984 | 0.000 |
| | CmCap-FDI-Perf | | 0,009 | 0,023 | | 39,1 | 0.002 | 3,877 | 0.000 |

- H1-H3 **are rejected** as direct effect of foreign ownership is insignificant and the effect **totally** goes from links through dynamic capabilities
- In contrary with Hsu and Chen (2009), the findings indicate the confirmation for **full mediating role** of dynamic capabilities between foreign ownership and business performance
- For value creation communicative capability is the most influential part of firm DCS constructs – 47.7% of total effect, while for operation efficiency adaptive capability accounts 39.4% of total effect
- Our results are in the line with Uhlenbruck et al. (2003) who claimed that an initial low endowment of firm-specific assets makes foreign ownership one of the major channels for upgrading existing resources

Conclusion

- For better performance through FDI, firms from emerging market should invest into development of absorptive, adaptive and communicative capabilities
- Sustainable positive spillovers from foreign capital originate from local companies' ability to accumulate and utilize internal resources and communicate with external environment
- Dynamic capabilities are powerful tools that can indirectly lead to superior performance via significant change to a firm's resource base as positive spillover of FDI
- It becomes increasingly important for local firms to invest in learning activities for reducing the knowledge gap between MNEs and affiliates, thereby be able to absorb knowledge, discover opportunities and threats, efficient to reconfigure their resources

? EVA as a synthesized indicator of value creation, reflecting mostly the financial aspect of the value creation concept, which is in practice quite wide

?The critical role of dynamic capabilities on FDI spillovers but not the impact of other strategic resource

✓ Future studies should investigate other types of firm resources (e.g., financial or intangible resources), additional performance variables (e.g., Tobin's Q ratio)

?The measures used in our study may not have captured them sufficiently, as they have complex nature.

✓ A potential research design might involve a quantitative survey approach or qualitative interviews with foreign investors and local companies to examine the additional metrics

✓ Another avenue for future study could be related with deeper understanding of dynamic capabilities' impact in different economic sectors (moderation effect of industry)