

5. DISSEMINATION AND EXPLOITATION OF RESULTS

The project's two main vehicles to increase recognition of the project as a whole remained the flyer and the project's internet-site. In fact, an analysis of how often and how many visitors access the project's web-site suggested that our site is amongst the most often frequented site within the IWH-server. The flyer is being distributed regularly at conferences, research visits, and other opportunities when meeting colleagues. In particular, this flyer also serves as an introduction into the project when contacting possible candidates for the EVALUATION EXPERT and USER groups (see Annex D for list of EVALUATION EXPERTS and their respective efforts in evaluating our research results).

In order to increase knowledge about the project amongst the potential "users" of the project (national governments, their organisations, employers' and industry associations, influential MNCs engaged in CEECs *etc.*, both in the EU and new member states), we established the system of a USER group. All our preliminary results and reports were distributed amongst an ever increasing group of potential users. The USER group today consists of a substantial number of individuals, some of which however indicated to us their preference not to be listed in any publicly accessible source. Reasons given relate to their being public figures who have to be careful with an association with policy-relevant suggestions over which they naturally have no control. The most influential contacts with Users was established with the Estonian and French governments:

- the Estonian Research and Development Council of the State Chancellery produced a comprehensive R&D and Innovation Policy Review, in which project research results from Slavo Radoševic in workpackage 3 and Johannes Stephan in workpackage 1 are frequently used, referenced and discussed;
- the DREE (Direction des Relations économiques extérieures) of the French government designated one page in its "Revue d'Elargissement" (No. 59, 9 February 2004) to reviewing the results generated by Johannes Stephan in workpackage 1.

A comparably important impact in terms of recognition of the project and the scope of dissemination of results was achieved by:

- project participants presenting their results at national and international conferences and workshops, most of which had a formal *paper* selection (reviewing) process;
- three larger conferences organised by the consortium itself with the involvement of invited guests;
- by participants publishing their results in the form of research reports which appear on the project internet-site, working papers, discussion papers, books, book-chapters, and journal articles.

Rather than accumulating project results and reporting them exclusively or mainly to the EU and a selected readership (as *e.g.* colleagues and USERS), our strategy of dissemination and exploitation featured a bias on publishing results as widely as possible in the forms of publication listed above. This way a larger group in the scientific community and in the politically and socially relevant community of Europe could be targeted (for a list of conference presentations and publications, see Annexes B and C). With regard to consortium-participation at international

conferences, we would like to highlight first a panel-session organised by the Estonian and Slovene teams and Johannes Stephan for the annual meeting of the European Associations of Comparative Economic Studies (EACES) in Belgrade, Serbia and Montenegro on 23-25 September 2004. Second, the Estonian team and Johannes Stephan presented and discussed their respective research results in a 'concerted action' at the CEES Copenhagen Business School International Workshop on Transition and Enterprise Restructuring in Eastern Europe, Copenhagen Business School, 26-28 August, 2004.

Most research results in the project have already been discussed in the larger research community and most have also been published already. Some results, however, are still in the form of reports but are now in the process of being published in a more widely recognised form of publication (mainly books, book-chapters and journals).

For particular additional future dissemination and exploitation plans, participants have listed the items in table 5.1. Those items are already sufficiently substantiated to warrant listing here: for books, (pre-)agreement with publishers have been reached; for journals, articles have already been submitted; for conference-participations, contributions have been positively evaluated by the selection committees of the conference.

Research collaboration with colleagues in the project led to several newly emerging institutionalisations and intensifications of research networks:

- the research team at the University of Sussex, headed by Peter Holmes (Sussex), and Johannes Stephan (IWH) have discussed the role of competition policy for the convergence process in CEECs with in this project in workpackage 7. During this time, Peter Holmes invited Johannes Stephan (IWH) and CASE (Poland) to participate in an EU 6th Framework Programme STREP-project on competition policy (Competition Policy Foundations for Trade Reform, Regulatory Reform, and Sustainable Development). This project formally started on 1st September 2004 and involves additionally researchers associated with CEPR (UK). Hence, research collaboration between the IWH, CASE, and the University of Sussex not only continues but is also enriched with a larger network of first-class researchers.

During the life-time of the project, colleagues within the consortium have intensified cooperation which led to numerous profound research results and publications:

- Slavo Radošević has collaborated intensively with the Slovenian partners (Boris Majcen and Matija Rojec) in workpackage 4 of the project; this led to two academic papers, one published by the IWH and one already submitted to a leading journal.
- Boris Majcen and Matija Rojec have visited the IWH in a one-week intensive discussion of analysis and research results in workpackage 4. The discussions were focussed on the analysis of the common paper by Boris Majcen and Matija Rojec, and on the adaptation of the original conceptual approach for workpackage 4 which seemed to be refuted by analysis of the data generated in field work.
- Subsequently, Judit Hamar (Kopint-Datorg) spent a one-week visit at the IWH during which the new conceptual framework was finalised and tested against the

data generated. This led to a common paper to be published in a refereed journal and in a longer version in the co-edited book with Macmillan/Palgrave.

- In a further attempt to deepen our analysis of data generated in workpackage 4, Slavo Radošević suggested an internship at the IWH of one of his most talented students. Björn Jindra spent three months at the IWH which led to a substantial MA-thesis on technology transfer in general and another article on the workpackage 4-data specifically. His MA thesis will be published in the co-edited book with Macmillan/Palgrave and his article forms part of our submission to the special journal volume.
- Katrin Männik was granted a Marie-Curie Stipend at SPRU (University of Sussex), the home institution of David Dyker, Cordula Stolberg, and Peter Holmes, and to which Slavo Radošević has a close affiliation.
- Helena Hannula spent 10 months from September 2003 as Teacher Fellow in Estonian Studies at SSEES, the home institution of Slavo Radošević (University College London).
- Urmas Varblane from the Estonian team invited one of his most talented students Priit Vahter to the final project conference in Budapest to present his econometric analysis of technology transfer via FDI in Estonia and Slovenia. Subsequently, the IWH invited Priit Vahter for a one-week research stay in Halle. This led to an article which will be published in the co-edited book with Macmillan/Palgrave.
- Finally, the cooperation between the IWH and Priit Vahter and Björn Jindra led to the establishment of a research network on 'Intensity of Technology and Knowledge transfer in Transition Economies via Foreign Direct Investment', coordinated by the IWH. In Halle, this network includes two additional researchers assessing technology transfer in East Germany: Jutta Günther, and Harald Lehmann. As a first activity, a workshop in Halle, including papers by Björn Jindra, Jutta Günther, Harald Lehmann, and Johannes Stephan was held on 29th October 2004. Additionally, this network published a call for papers for a workshop in the framework of EACES to be held in Halle in June 2005.

Table 5.1 Future dissemination plans, sufficiently substantiated to warrant listing

Researcher	Research result	Planned dissemination and exploitation
Books		
Sub-group of WP4 teams plus two externals: Björn Jindra and Priit Vahter	Results of WP4-data analysis plus econometric analysis of technology transfer	Book-publication with Palgrave/Macmillan. Format of the book agreed with the publisher, no further refereeing
Polish team in WP4	Results of WP4-analysis	Several book-projects to be published in 2005. Formats agreed with Polish publishers, no further refereeing
Estonian group in WP4 plus Slavo Radoševic and Nick von Tunzelmann	Results of WP4-analysis	Book-project to be published in 2005: 'Estonia, the New EU Economy: Building a Baltic Miracle?'
Dyker, Holmes, Radoševic Teams in WP6	Results of WP3+4+7 Results of WP6-data analysis	Book-project to be published in 2005. Book-publication with Nomos-Verlag. Format of the book agreed with the publisher, no further refereeing
Czech team in WP6	Results of WP6-data analysis	Two books in print with the publisher 'Professional Publishing', ISBN 80-86419-42-8 and ISBN 80-86419-62-2
Book chapters		
Katrin Männik, Nick von Tunzelmann	Results of WP4-analysis	Joint chapter in Aurora Amélia Castro Teixeira and Ana Teresa Tavares (eds), <i>Multinationals, Clusters and Innovation: Does Public Policy Matter?</i>
Journal special issue		
Teams in WP4 plus Björn Jindra	Results of WP4-data analysis	Special issue of the <i>East-West Journal of Economics and Business</i> with six contributions (selection pending on referee process; pre-agreement with the editors)
Journal submissions		
Tomas Sabol and A. Hosková	Results of WP4-analysis	Paper submitted to the Journal 'Ekonomický casopis'. No referee reports yet
Johannes Stephan	Results of WP1-analysis	Paper submitted to the Journal 'Comparative Economic Studies'. Positive referee-report with, however, substantial revisions
Johannes Stephan	Results of WP6-data analysis	Paper submitted to 'East-West Journal of Economics and Business'. No referee reports yet
Radoševic	Results of WP3	Paper submitted to an international journal. No referee reports yet
Boris Majcen, Matija Rojec, Slavo Radoševic	Results of WP4-analysis	Paper to be submitted to 'Journal of International Business Studies'. No referee reports yet
Boris Majcen, Matija Rojec, Slavo Radoševic	Results of WP4-analysis	paper to be submitted to 'Journal of International Business Studies'. No referee reports yet
Slavo Radoševic plus external team	Further analysis of national patent data at industry level and their integration with R&D data	Journal paper in cooperation with Djuro Kutlaca. Not submitted yet, but sufficiently advanced to warrant listing here
Working papers		
Maria Kania	Results of WP4-analysis	Paper at the University of Economics Prague, Centre of International Studies
Björn Jindra	Results of WP4-analysis	IWH Discussion Paper
Boris Majcen, Matija Rojec, Slavo Radoševic	Results of WP4-analysis	Institute for Economic Research Working paper
Organised workshops		
Hubert Gabrisch and Johannes Stephan	Results pertaining to technology transfer and upgrading NIS	Workshop at the IWH in the framework of EACES workshops in June/July 2005 to be held in Halle/Germany. The call for papers will appear in the next EACES newsletter and INOMICS
Conference-participations		
Boris Majcen, Matija Rojec, Slavo Radoševic	Results of WP4-analysis	2nd Symposium Central and Eastern Europe - Connecting Corporate and Academic Europe, 18-19 November 2004, University of Vienna
Judit Hamar and Johannes Stephan	Results of WP4-analysis	1 st Mécanismes Economiques et Dynamiques des Espaces Européens (MÉDEE) and Kopint-Datorg International Conference on "Enlargement of the European Union : What are the stakes and potential effects ?" in Lille (France) on 9-10 December, 2004
Judit Hamar and Johannes Stephan	Results of WP4-analysis	8 th EUNIP International Conference, BIRMINGHAM, 13-15 December, 2004

6. ACKNOWLEDGEMENTS AND REFERENCES

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6.1 *The members and activities of the PROJECT EVALUATION GROUP*

The PROJECT EVALUATION GROUP is still evolving with project results being discussed in the scientific community. Hence, the institution of EVALUATION EXPERTS serves as one of the quality assurance methods. It is an informal institution made up of a group of researchers with a proven record of expertise in the common fields of interest. The idea is to incorporate some of the rich expertise in our fields of research which is external to the project: our research consortium is of a high academic standard and wants to submit its research and results to the rigor of an external refereeing process. The group of EVALUATION EXPERTS institutionalise in an informal and dynamic form. The list of Experts in the group is permanently evolving with new members joining as they are invited to comment on research results. The members are active only when they choose to take an interest in a certain research result and offer to provide a report and / or discussion. Experts can choose to take an active interest in any material presented by the project consortium or material sent to them directly. The main communication platform is the project internet site, where newly emerging research material is constantly been presented. If the Expert wishes to comment on the material, he is invited to contact the researcher directly or to prepare an anonymous report which he can send to the project co-ordinator. Evaluation Experts were also invited to participate in our annual project workshops. The list of members and their activities are recorded and published on the internet web-site in an own section (http://www.iwh-halle.de/projects/productivity-gap/project_personnel/Evaluation.htm) (see Annex D for this list).

6.2 *References*

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7. ANNEXES

- A List of Deliverables
- B List of conference presentations
- C List of publications
 - C1 Monographs
 - C2 Book chapters
 - C3 Journal articles
 - C4 Other publications (Working papers, Discussion papers, *etc.*)
- D List of Evaluation Experts and their efforts
- E List of participants with affiliation and addresses
- F Conference workshop and conferences
 - Programme of the first project meeting in Warsaw, 27-28 September 2002
 - List of participants at the Warsaw meeting

 - Programme of the second project meeting in Prague, 20-21 June 2003
 - List of participants at the Prague meeting

 - Programme of the third and final project meeting in Budapest, 29-30 May 2004
 - List of participants at the Budapest meeting
- G Field study questionnaires
 - Questionnaire for workpackage 4
 - Questionnaire for workpackage 6

ANNEX A: LIST OF DELIVERABLES

The researchers involved in the project are able to account for all deliverables planned for the duration of the project (see table below). In those cases where deliverables referring to the publication of scientific results have been fulfilled by more than one means of publication, only the publication with the highest level and quality of dissemination are reported here: the ranking is lead by articles in refereed journals, followed by book-chapters and monographs, working and discussion papers and reports at the bottom of the list. The dissemination strategy of the project has featured the upgrading of publications according to this list (*i.e.* deliverables listed as reports are still awaiting their publication in a higher ranked means of publication). This strategy has served the consortium well, and we plan to continue this until results are exhausted.

In cases where one deliverable is listed on more than one account (denoted by a, b, c,..) constitutes the publication of results in sub-units: the originally envisaged deliverable proved to be more comprehensive in scope, so that more than one publication was necessary to cover the deliverable.

Table A-1: List of deliverables

D1a	Project's World-Wide-Web site	October 2001
D1b	Flyer	February 2002
D2	Meeting in Trento WP2	November 2001
D3	Meeting in Halle WP4	September 2001
D4	Meeting in Halle WP6	September 2001
D5	Meeting in Trento (WPs 1 and 2)	December 2002
D6a	WP1: Book Publication (<i>IWH Sonderheft</i>)	August 2003
D6b	WP2: Book Publication (<i>IWH Sonderheft</i>)	April 2003
D6c	WP4: IWH Discussion Paper No. 177	July 2003
D7	First project workshop in Warsaw	September 2002
D8a	WP1: Journal article (<i>Wirtschaft im Wandel</i>)	November 2001
D8b	WP1: Journal article (<i>Acta Oeconomica</i>)	October 2002
D8c	WP1: IWH Discussion Paper No. 166	September 2002
D8d	WP1: Journal article (<i>Wirtschaft im Wandel</i>)	February 2003
D9a	WP2: IWH Discussion Paper No. 155	February 2002
D9b	WP2: Journal article (<i>Wirtschaft im Wandel</i>)	December 2002
D10	WPs 1 and 2: IWH Discussion Paper No. 184	October 2003
D11a	WP3: SSEES Working Paper No 31 on innovation capacities	May 2003
D11b	WP3: Chapter in book (Filho <i>et al.</i>)	forthcoming in 2004
D12	WP4: Country report of field work results for Estonia	October 2002
D13	WP4: Country report of field work results for Poland	October 2002
D14a	WP4: Country report of field work results for the Slovak Republic	October 2002
D14b	WP4: Journal article (<i>Biatic</i>)	January 2003
D14c	WP4: Journal article (AGH University of Science and Technology)	January 2003

D14d	WP4: Journal article (E+M Special issue 2003)	January 2003
D15	WP4: Country report of field work results for Hungary	October 2002
D16a	WP4: Country report of field work results for Slovenia	October 2002
D16b	WP4: Journal article (<i>Slovenian Economic Mirror</i>)	July 2003
D16c	WP4: Journal article (<i>Slovenian Economic Mirror</i>)	August 2003
D17	WP5: Research report on project internet-site	June 2003
D18a	WP6: Two reports on data envelopment analysis for all country panels (VSE)	October 2002 and May 2003
D18b	WP6: Report on Innovation for all country panels (ECOSTAT)	October 2002
D18c	WP6: Journal article (<i>Development and Finance</i>) (ECOSTAT)	December 2004
D18d	WP6: Report on a comparison between Polish and West German firms (CASE)	October 2002
D18e	WP6: CASE Studies Analyses Working Paper series No. 284 (CASE)	August 2004
D18f	WP6: Report on a comparison between East and West German firms (IWH)	October 2002
D18g	WP6: IWH Discussion Paper No. 183	October 2003
D19	Reader on research results presented in second project conference in Prague	July 2003
D20	Second project conference in Prague	June 2003
D21	WP7: Journal article (<i>Journal of Common Market Studies</i>)	April 2004
D22a	WP3: Report on (mis-)match between supply and demand for technology in CEECs	April 2003
D23	WP4: University of Tartu, Faculty of Economics and Business Administration Working Paper series, No. 27	April 2004
D24	WP4: Book chapter on sources of investment finance in FIEs	2004
D25	WP4: see 14b-d	January 2003
D26	WP4: Several journal articles (<i>Külgazdaság</i>)	2003+2004
D27a	WP4: University of Ljubljana Working Paper No. 1	2004
D27b	WP4: Three journal articles (<i>Slovenian Economic Mirror</i>)	October 2003
D28	WP5: Journal article (<i>Science and Public Policy</i>)	August 2004
D29	WP3: Chapter in book (Meske <i>et al.</i>)	2004
D30a	WP3: Report on Innovation capacities in CEECs	August 2004
D30b	WP3: Co-edited book Radoševic and Piech (Palgrave)	forthcoming in 2005
D30c	WP3: Co-edited book Radoševic and Kobal (NATO Science Series)	forthcoming in 2005
D30d	WP3: Book-chapter in Jasinski (ed.)	2004
D31a	WP4: Research stay Boris Majcen and Matija Rojec in Halle	May 2004
D31b	WP4: Research stay Judit Hamar in Halle	June 2004
D31c	Final meeting for WP4+5 in Berlin	21 August 2004
D32	Final project conference in Budapest	May 2004
D33	WP3: Journal article (<i>Journal of Common Market Studies</i>)	September 2004
D34a	WP5: Report on productivity and capability	September 2004
D34b	WP5: Book publication (Dyker, Holmes, Radoševic)	forthcoming in 2005

D35	WP7: Report on Competition policy, EU industrial policy, EU trade and anti-dumping policy	September 2004
D36a	Book on WP4 with Macmillan/Palgrave	forthcoming in 2005
D36b	Book on WP6 with Nomos-Verlag	forthcoming in 2005

As explained in the previous report, the members of the consortium decided not to compile a reader containing the results of research presented at the Warsaw meeting (deliverable D6). Most of the research effort until then was directed towards the generation of data in field work, and this does not lend itself for publication. Instead, in the previous report, it was suggested to replace this deliverable by a set of two deliverables (D6a and D6b), which are more interesting both in terms of academia and in terms of a wide dissemination of research results: the breath of analysis conducted for workpackages 1 and 2 resulted in much richer empirical results than anticipated; in addition to the publication of academic articles, the researchers involved hence compiled comprehensive research reports for both workpackages which were both published in the research *paper* series of the IWH (D6a). Additionally, a paper on the most important comparative results from the data generated in workpackage 4 was edited by the two members of the Slovenia team, Boris Majcen and Matija Rojec with the help of the workpackage consultant Slavo Radoševic (D6b).

All deliverables are listed on the project internet-site and can be reviewed by the larger academic community there.

ANNEX B: LIST OF CONFERENCE PRESENTATIONS

A comparably important impact in terms of recognition of the project, but also in terms of dissemination of results, was achieved by project participants presenting their results at international conferences and in the form of lectures at universities.

Lecture to the faculty and PhD-students of the Fogelmann College at the University of Memphis, USA, on 15 October **2004**: Johannes Stephan, *'Sectoral structures, industrial specialisation and the productivity gap between East and West Europe'*.

58th International Atlantic Conference in Chicago, USA, 7-10 October **2004**: Johannes Stephan and Judit Hamar, *'The potentials for technology transfer and spill-over effects to host economies in Central East Europe - results of a field study'*.

Annual meeting of the European Associations of Comparative Economic Studies (EACES) in Belgrade, Serbia and Montenegro, 23-25 September **2004**, organised as a panel on 'Technology transfer, foreign direct investment enterprise-development, and productivity growth in CEECs': Boris Majcen, Matija Rojec, and Andreja Jaklič, *'Functional upgrading and productivity growth in foreign subsidiaries in the Slovenian manufacturing sector'*; Katrin Männik, Helena Hannula, and Urmas Varblane, *'Country, industry, and firm size effects on foreign subsidiary strategy - an example of five CEE countries'*; Johannes Stephan and Judit Hamar, *'The potentials for technology transfer via foreign direct investment in Central East Europe - results of a field study'*.

Third international conference "International business in transition economies" at the Stockholm School of Economics in Riga, Latvia, 9-11 September **2004**: Slavo Radoševic, *'International Entrepreneurship, Innovation and Competitiveness in the Transforming and Enlarging Europe'* (Keynote lecture).

CEES Copenhagen Business School International Workshop on Transition and Enterprise Restructuring in Eastern Europe, Copenhagen Business School, 26-28 August, **2004**: Johannes Stephan and Judit Hamar, *'The potentials for technology transfer via foreign direct investment in Central East Europe - results of a field study'*, Katrin Männik, Helena Hannula, and Urmas Varblane, *'Country, industry, and firm size effects on foreign subsidiary strategy - an example of five CEE countries'*.

"Prime Madrid Summer School", Madrid, 5-9 July **2004**: Slavo Radoševic, *'Towards an enlarged European Research Area: Challenges for the Internationalisation of Innovation Systems of Southern, Central and Eastern European countries'*.

Lecture at the University of Tartu, Doctoral Summer School, on 17-21 June **2004**: Katrin Männik, *'The Role of Country, Industry and Firm Specific Effects On The Foreign Subsidiary Autonomy And Performance In Five Central And Eastern European Economies'*.

International conference at the Warsaw School of Management, 20-22 May **2004**: Slavo Radoševic, *'Innovation and Challenge of Enlargement'* (Keynote lecture).

Third Annual Conference of the European Economics and Finance Society "World Economy and European Integration" hosted at the University of Gdansk at Sopot, on 13-16 May **2004**, Malgorzata Jakubiak, *'Firms Specific Productivity Determinants: A Comparison of CEE and German firms from Electronics Industry'*.

Lecture at the Brighton Business School Economic, Social Transition Research Group (Summer Research Seminar Series) on 5 May **2004**; and

Workshop on Estonia at the UCL, SSEES, CSESCE: “Estonia. Growth and Restructuring of a New EU Member”, London, 13-14 May **2004**; and

The Augustin Cournot Doctoral Days (A.C.D.D.), Economics, Management and Science & Technology Studies at the Universite Louis Pasteur, Strasbourg, 15-17 April **2004**: Katrin Männik, Helena Hannula, Urmas Varblane, ‘Country, Industry and Firm Size Effects of Foreign Subsidiary Strategy. An Example of Five CEE Countries’.

Lecture at the Budapest University of Economic Sciences and Public Administration on 14 April **2003**: Judit Hamar, ‘FDI in Hungary: macro and micro economic effects and the EU-accession’.

XI International Conference on European Studies in Havana, Cuba, 30 September - 3 October **2003**: Boris Majcen, Slavo Radošević, and Matija Rojec, ‘Strategic Control and Productivity Growth of Foreign Subsidiaries in Central European Countries’.

EU Enlargement Network Conference “Eastern Enlargement of the EU – Strategies of the Modernisation: From Transition to Integration”, organised by the consortium of European institutes in Prague on 9-12 October **2003**: Slavo Radošević, ‘Assessing innovation capacities of the Central and East European countries in the enlarged European innovation system’.

“NATO Advanced Research Workshop”, held in Yerevan, 2 April **2003**; and

The Annual Anglo-Polish SSEES Colloquium: “The Knowledge-Based Economy in Central and East European Countries: Exploring the New Policy and Research Agenda”, 28-29 April **2003**, London; and

Workshop on “Innovation policy”, held at Siberian Department of Russian Academy of Sciences, Novosibirsk on 2 September **2003**; and

International Workshop “Understanding FDI-Assisted Economic Development”, TIK centre, University of Oslo, Norway 29 – 31 May **2003**; and

First “SCI-TECH Forum” organised by the European Institute – Warsaw, Natolin, 7 September **2003**; and

International Conference: “Knowledge-based society as a new challenge for science and technology: Perspectives of EU newcomers and accession countries”, in Zagreb, 24-26th October, **2003**: Slavo Radošević, ‘(Mis)match between demand and supply for technology: Innovation, R&D and Growth Issues in Countries of Central and Eastern Europe’.

Annual Congress of the European Regional Science Association (ERSA) in Jyväskylä, Finland, 27-30 August **2003**; and

Annual meeting of the European Associations of Comparative Economic Studies (EACES) in Forli, Italy, 5-9 June **2002**; and

International conference of the Southern Economic Society in New Orleans, USA, 24-26 November **2002**: Johannes Stephan, ‘Industrial Specialisation and Productivity Catch-Up in CEECs - Patterns and Prospects’.

EARIE conference Madrid, 2002, Judit Hamar, ‘Mechanism of productivity growth through FDI’.

International Atlantic Economic Conference in Philadelphia, USA, 11-14 September **2001**: Johannes Stephan, ‘Sectoral Structures and Technology in Transition: Central East and European Economies’.

ANNEX C: LIST OF PUBLICATIONS

C1 Monographs

- Dyker, D., P. Holmes, S. Radošević, National Systems of Innovation and Technology transfer in Central East Europe, **2005** (forthcoming).
- Grabińska T., Niedzielski R. Zabierowski M., Rodzaje i stopień autonomii firm córek a rozpoznanie skuteczności inwestycji zagranicznych. Społeczne i ekologiczne uwarunkowania transformacji i integracji gospodarczej-problemy oporu wobec zmian. Bytom, **2005** (forthcoming).
- Stephan et. al, Technology Transfer via Foreign Direct Investment in Central East Europe, Macmillan/Palgrave, **2005** (forthcoming).
- Stephan et. al, Firm-specific Determinants of Productivity Gaps in Central East European Industries, Nomos-Verlag, **2005** (forthcoming).
- Bruska A., Kania M., Niedzielski R, Logistyka przedsiębiorstw z udziałem kapitału zagranicznego – Próba identyfikacji problemów w świetle wyników badań [Logistics of FDI] Logistyka przedsiębiorstw polskich w warunkach transformacji. Akademia Ekonomiczna w Katowicach. Katowice, **2004** (forthcoming).
- Fiala, P., Modelling of supply chains. Praha: Professional Publishing, ISBN 80-86419-62-2, **2004** (forthcoming).
- Grabińska T., Zabierowski M., Niedzielski R. Metodologiczne problemy interpretacji danych. Akademia Pomorska Słupsk, **2004** (forthcoming).
- Hawrysz L., Kania M., Niedzielski R. Porównanie efektywności przedsiębiorstw z udziałem kapitału zagranicznego z przedsiębiorstwami krajowymi na przykładzie województwa opolskiego. Zarządzanie organizacjami w świetle wyzwań XXI wieku-od teorii do praktyki. Wyższa Szkoła Kupiecka. Łódź, **2004** (forthcoming).
- Jablonsky, J., M. Dlouhy: Models for evaluation of efficiency of production units. Praha: Professional Publishing, ISBN 80-86419-42-8, **2004** (forthcoming).
- Niedzielski, R., Przedsiębiorstwo kapitału zagranicznego.Wybrane aspekty zarządzania [Foreign Investment Company. Selected aspects of management], Zarządzanie Przedsiębiorstwem. Teoria i praktyka. Akademia Górniczo-Hutnicza w Krakowie. Kraków, **2004** (forthcoming).
- Gabrisch, H., M.L. Segnana, 'Vertical and horizontal patterns of intra-industry trade between EU and candidate countries', IWH-Sonderheft, Halle Institute for Economic Research (Halle/Saale: IWH) June **2003**.
- Stephan, J., 'Evolving Structural Patterns in the Enlarging European Division of Labour: Sectoral and Branch Specialisation and the Potentials for Closing the Productivity Gap.' IWH-Sonderheft, Halle Institute for Economic Research (Halle/Saale: IWH) June **2003**.
- Varblane, U. (ed.): Foreign Direct Investments in the Estonian Economy. Tartu University Press ISBN 9985-4-0216-2, **2001**.

C2 Articles, chapters in books

- Hannula, H., K. Männik, U. Varblane, 'Country, industry, and firm size effects on foreign subsidiary strategy - an example of five CEE countries'. In Hannula, H., S. Radošević, N. von Tunzelmann (eds) **2005** (forthcoming).
- Männik, K., N. von Tunzelmann, 'A joint chapter'. In Aurora Amélia Castro Teixeira and Ana Teresa Tavares (eds), *Multinationals, Clusters and Innovation: Does Public Policy Matter?* **2005** (forthcoming).
- Radošević, S., 'Innovation policies in central and eastern European countries: are they meeting the challenges of knowledge-based growth in enlarged EU?', In Andrzej H Jasinski (ed) (**2004**), *Transition economies in the European Research and Innovation Area: New challenges for their science and technology*, Wydawnictwo Naukowe Wydziału Zarządzania Uniwersytetu Warszawskiego, Warsaw.
- Radošević, S., 'Transformation of research and innovation policy in new EU member and candidate countries: what can we learn from it?' In Edvard Kobal and Slavo Radošević

(eds), *Modernization of science policy and management approaches in central and south east Europe*, NATO Science Series, IOS Press, **2005** (forthcoming).

Radošević, S., A. Reid, 'Innovation Policy for a Knowledge Based Economy in Central and Eastern Europe: driver of growth or new layer of bureaucracy?', In Piech K. and S. Radošević, *Knowledge based economy in CEE*, Palgrave, **2005** (forthcoming).

Hamar, J., 'Business service sector development'. In Palócz, Hamar (eds) (**2004**), *Industrial services in international comparison: Chapters II, III, and VI* (the summary was additionally published by KOPINT-DATORG, Working Paper No. 40).

Hamar, J., 'Industrial development and FDI'. In GKM-KOPINT-DATORG (**2004**), *A 2010-ig szóló iparpolitika tudományos megalapozása*, [Scientific analyses for helping decision-making process of Industrial policy to 2010] chapters I and II, pp.2-60.

Hamar, J., 'FDI and Industrial Network in Hungary'. In F. McGowan, S. Radošević, and N. von Tunzelmann (**2004**), *Emerging Industrial Architecture in Europe*, London and New York: Routledge.

Krawczyk, A., R. Niedzielski, Źródła finansowania przedsiębiorstw z udziałem kapitału zagranicznego w wybranych krajach Europy Środkowo-Wschodniej. Prezentacja wyników badań [Sources of investment finance of FIE in CEECs. Presentation of Results]. In Gospodarcza (ed.) (**2004**), *Strategie wzrostu wartości przedsiębiorstwa. Teoria i praktyka*, Urbańczyk E. Wydawnictwo Kreos, Szczecin, p. 267.

Niedzielski, R., D. Bogdanov, M. Kania, K. Malik, 'Foreign Direct Investments in Poland'. In Podgórecki J (ed.) (**2004**), *Studia i rozprawy* [Studies and dissertations], Opole, p. 191.

Radošević, S. '(Mis)match between demand and supply for technology: innovation, R&D and growth issues in countries of central and eastern Europe', In Walter Leal Filho (ed.) *Supporting the Development of R&D and the Innovation Potential of Post-Socialist Countries*, IOS Press, **2004** (forthcoming).

Radošević, S., M. Rojec, B. Majcen, 'Foreign direct investment and the industrial integration of central and eastern Europe: explaining limited upgrading'. In S. Murhem, B. Likic-Brboric (eds) (**2004**), *The Challenge of Industrial Restructuring, Conference proceedings*, University of Uppsala.

Radošević, S., M. Rojec, B. Majcen, 'Foreign direct investment and the industrial integration of Central and Eastern Europe: explaining limited upgrading'. In Branka Likić-Brborić, Sofia Murhem (eds) (**2004**), *Work Life and EU Enlargement, The Challenge of Industrial Restructuring*, Conference Proceedings, 9-10 February, Brussels, pp. 57-77.

Radošević, S., 'What future for S&T in the CEECs in the 21st century'. In Meske, W. (ed.) (**2004**), *From System Transformation to European Integration. Science and technology in Central and Eastern Europe at the beginning of the 21st century*, LIT Verlag, Munster, pp. 443-478.

Hamar, J., 'A külföldi működőtőke szerepe és a versenyképesség' [The role of FDI and competitiveness]. In Oblath, Hamar (eds) (**2003**), *FDI and Competitiveness*, Budapest: KOPINT-DATORG-OM (Ministry of Education) 64pp.

Hannula, H., 'Restructuring of the Estonian economy and the role of FDIs in it'. In Varblane, U. (ed.) (**2001**), *Foreign Direct Investments in the Estonian Economy*, Tartu: Tartu University Press, pp. 91-174.

Männik, K., 'The role of Foreign Direct Investments in technology transfer to Estonia'. In Varblane, U. (ed.) (**2001**), *Foreign Direct Investments in the Estonian Economy*, Tartu: Tartu University Press, pp. 175-268.

Varblane, U., 'Flows of foreign direct investments in the Estonian economy'. In Varblane, U. (ed.) (**2001**), *Foreign Direct Investments in the Estonian Economy*, Tartu: Tartu University Press, pp. 1-30.

C3 Refereed journal articles

Benke, D., I. Cserhati, T. Takacs, 'Competitivity of Hungarian small and medium-sized enterprises in the EU.' *Development and Finance*, No. 4/2004 December (accepted, forthcoming).

Dyker, D., 'Closing the productivity gap between Eastern and Western Europe? The role of foreign direct investment.' *Science and Public Policy*, Vol. 31, No. 4 August **2004** (accepted, forthcoming).

- Hamar, J., 'Productivity and FDI, a comparative analyses in CEEC', Acta Economica **2004** (accepted, forthcoming).
- Hamar, J., 'Termelékenységi rés és szerkezetváltás' [Productivity gap and Restructuring], Külgazdaság, No. 9/**2004**.
- Hamar, J., 'Tokevonzó-képességünk alakulása és a multinacionális cégek szerepe a Magyar gazdaság technológiai és strukturális felzárkózásában' [FDI attractiveness of Hungary and the role of MNCs in technological and structural catch-up process], Külgazdaság No. 5/**2004**, pp. 39-64.
- Hamar, J., 'A feldolgozóipar versenyképességének főbb tényezői: többváltozós adatelemzés sztochasztikus módszerei' [Factors of competitiveness of Hungarian manufacturing industry: a multi-variable stochastic data analyses], Külgazdaság, No 3/**2003**. p. 32.
- Hamar, J., 'Paradigma-váltás?' [Changing trend in Hungary?], Külgazdaság, No 2/**2003**, p. 5.
- Mészáros, Á., 'A magyarországi közvetlen külföldi működotoke-beruházások exportenklávé-jellege' [FDI-inflows in Hungary have enclave-character?], Külgazdaság, No 4/ **2004**.
- Radoševic, S., 'A Two-Tier or Multi-Tier Europe? Assessing the Innovation Capacities of Central and East European Countries in the Enlarged EU' Journal of Common Market Studies, Vol. 42 (**2004**), No. 3 (September), pp. 641-66.
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- Sabol, T., V. Šoltés, 'FDI in Slovakia and their impact on local enterprises. *Ekonómie a manažment*.' Liberec **2004** (accepted, forthcoming).
- Sabol, T., M. Šoltés, 'Foreign direct investments and their impact on economic growth in Slovakia. Technical and economical problems.' ISSN 1731-8386, AGH University of Science and Technology, Vol. 48 (**2003**), No. 2, pp. 605-613.
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- Sabol, T., A. Hosková, 'Priame zahraničné investície v ekonomike Slovenska a ich vplyv v podnikovej sfére [FDI in the Slovak economy and their influence on enterprise levels], Biataec, No. 1/**2003**, pp. 18-20 (Journal published by National Bank of Slovakia).
- Stephan, J., J. Hölscher, 'Merger Control and Competition Policy in Central East Europe in view of EU Accession', ICFAI Journal of International Business Law, Vol. II (**2003**), No. 2, pp. 55-72.
- Stephan, J., 'Determinants of the Productivity Gap between Central East European Economies: What Role for Sectoral Structures in Transition?', Acta Oeconomica, Vol. 52 (3) pp. 289-305 (**2002**).

C4 Other publications (Working papers, Discussion papers, etc.)

- Hamar, J., 'Productivity Gap and Restructuring: Mapping the Technology Structure of Branch Plants and Technology Integration of CEECs.' KOPINT-DATORG Discussion Papers No. 65/**2004**.
- Hannula, H., K. Männik, U. Varblane, 'Country, Industry and Firm Size Effects of Foreign Subsidiary Strategy. An Example of Five CEE Countries'. University of Tartu, Faculty of Economics and Business Administration Working Paper series, No. 27, **2004**, 63 pp.
- Jindra, B., 'The Role of Subsidiary Strategy as Determinant for Direct Technology Transfer – Empirical Evidence From Five New EU-Member Countries', IWH Discussion Paper, **2004** (forthcoming).
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- Majcen, B., M. Rojec, S. Radoševic, 'Productivity Growth and Functional Upgrading in Foreign Subsidiaries in the Slovenian Manufacturing sector'. IER Working Paper, Institute for Economic Research, Ljubljana **2004**, pp. 44 (forthcoming).
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- Niedzielski, R., 'Przedsiębiorstwo zagraniczne na rynku polskim i unijnym- Kiedy filie przejmują inicjatywę?' [Foreign investment enterprise on markets of Poland and EU- When subsidiaries take an initiative?] Polska Krajem Unii Europejskiej. Problemy transformacji systemowej i regionalne, Politechnika Opolska w Opolu, Wyższa Szkoła Ekonomii i Administracji w Bytomiu, Bytom **2004**, p. 164.
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- Hamar, J., A 'fejlődőképesség-dinamikus' és a 'lemaradó-túlélő' vállalatcsoportok jellemzői a feldolgozóiparban [Dynamic and survival firm group characteristics in the Hungarian manufacturing industry], KOPINT-DATORG–GKM (Ministry of Industry and Trade), Műhely, **2003**, www.kopdat/kutatás/.hu.
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- Majcen, B. and M. Rojec, 'Foreign Investment Enterprises (FIEs): Structure of sales and supplies of FIEs in Slovenian manufacturing.' Slovenian Economic Mirror (Journal published by the Institute of Macroeconomic Analysis and Development), No. 7, Vol. IX (**2003**), p. 21.
- Majcen, B., S. Radošević, M. Rojec, 'FDI Subsidiaries and Industrial Integration of Central Europe: Conceptual and Empirical Results', Halle Institute for Economic Research (IWH): IWH-Discussion Paper No. 177/**2003**.
- Radošević, R., 'Assessing innovation capacities of the Central and East European countries in the enlarged European innovation system', SSEES Working Paper in **2003**.
- Stephan, J., 'Eine Projektion der Potenziale zukünftigen Produktivitätswachstums im verarbeitenden Gewerbe der Kandidatenländer Mittel- und Osteuropas', Wirtschaft im Wandel (Journal published by the IWH), No. 03/2003, pp. 76-81 (**2003**).
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- Stephan, J., 'EU Accession Countries' Specialisation Patterns in Foreign Trade and Domestic Production - What can we infer for catch-up prospects?', Halle Institute for Economic Research (IWH): Discussion Paper No. 184/**2003**.
- Gabrisch, H., 'Intra-industrieller Handel und Produktivitätslücke in der erweiterten EU.' Wirtschaft im Wandel (Journal published by the IWH), No. 16/**2002**, pp. 509-517.
- Stephan, J., 'Industrial Specialisation and Productivity Catch-Up in CEECs – Patterns and Prospects', Halle Institute for Economic Research (IWH): IWH-Discussion Paper No. 166/**2002**.
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- Stephan, J., 'Zur geplanten EU-Kohäsionspolitik in Assoziierungsländern: Die sektorale Komponente spielt eine untergeordnete Rolle.' Wirtschaft im Wandel (Journal published by the IWH), No. 15/**2001**, pp. 404-409

ANNEX D: LIST OF EVALUATION EXPERTS AND THEIR EFFORTS

Evaluation Expert	Research Output refereed	Date
Agnés Benassy	Comment of a research paper at the 58 th International Atlantic Conference in Chicago, USA: Hamar, Stephan, The potentials for technology transfer and spill-over effects to host economies in Central East Europe - results of a field study	Oct 2004
Björn Jindra	Comment of a research paper: Hamar, Stephan, The potentials for technology transfer and spill-over effects to host economies in Central East Europe - results of a field study	Aug 2004
Attila Havas	Comment of a research paper at a workshop at Center for East European Studies, Copenhagen Business School: Hamar, Stephan, The potentials for technology transfer and spill-over effects to host economies in Central East Europe - results of a field study	Aug 2004
Walter Heering	Comment of a research paper at the Budapest conference: Holmes, Lopez, and Stolberg, Swift catching up in new EU members from CEE: what role and scope for policy assistance?	May 2004
Attila Havas	Comment of a research paper at the Budapest conference: Radošević, R&D, innovation and productivity growth in Central East Europe	May 2004
Monika Šestáková	Comment of a research paper at the Budapest conference: Dyker, Stolberg, and Iacovone, Productivity and capability in the transition countries - a historical perspective and comparative analysis of field study results	May 2004
Jaroslav Husár	Comment of a research paper at the Budapest conference via Email: Fiala and Jablonský, Quantitative analyses of productivity gap between Central European firms	May 2004
Attila Varga	Comment of a research paper at the Budapest conference: Cserháti and Takács, International comparison of productivity and analysis of the role of innovation	May 2004
Richard Woodward	Comment of a research paper at the Budapest conference: Jakubiak and Wziątek-Kubiak, A matched-pair analysis of firm-specific determinants: a comparative analysis of Poland, the Czech Republic, Hungary, and Germany as benchmark	May 2004
Miklos Losonczi	Comment of a research paper at the Budapest conference: Majcen, Rojec, and Jaklic, Functional upgrading and productivity growth in foreign subsidiaries in Slovenian manufacturing sector	May 2004
Martin Srholec	Comment of a research report via Email: Stephan, Evolving structural patterns in the enlarging European division of labour - sectoral and branch specialisation and the potentials for closing the productivity gap	Aug 2003
Jutta Günther	Comment of a research paper at the Prague conference: Dyker / Stolberg, Productivity and capability in the transition countries - a historical and comparative perspective	Jun 2003
Adam Zolnowski	Comment of a research paper at the Prague conference: Holmes / Stolberg, Trade Competition and Industrial Policy: Some thoughts on the role of policy in productivity catch up	Jun 2003
Adam Zolnowski	Comment of a research paper at the Prague conference: Hölscher / Stephan, Merger Control and Competition Policy in Central East Europe in view of EU Accession	Jun 2003
Miklos Szanyi	Comment of a research paper at the Prague conference: Radošević, Assessing innovation capacities of the Central and East European countries in the enlarged European innovation system	Jun 2003
Monika Šestáková	Comment of a research paper at the Prague conference: Radošević, Assessing innovation capacities of the Central and East European countries in the enlarged European innovation system	Jun 2003
Tibor Takács	Comment of a research paper via Email: Gabrisch / Segnana, Vertical and horizontal patterns of intra-industry trade between EU and candidate countries	Apr 2003
David Kemme	Comment of a research paper at the Warsaw conference: Stephan, Industrial specialisation and productivity gap	Sep 2002
Monika Šestáková	Comment of a research paper at the Warsaw conference: Dyker and Stolberg, Productivity and capability in the transition countries	Sep 2002
David Kemme	Discussion of methods of analysis of data generated in field work on firm-specific determinants (WP 6)	Sep 2002
Horst Tomann	Discussion of coherency of research and linkages between individual workpackages in the project at the Warsaw conference	Sep 2002
Tomasz Mickiewicz	Comment of a research paper via Email: Stephan, Industrial specialisation and productivity gap	Jun 2002
Jens Hölscher	Comment of research outline in workpackage 1 on domestic specialisation and productivity growth	Apr 2002
Tomasz Mickiewicz	Comment of a research paper via Email: Stephan, Sectoral structures and productivity gap	Nov 2001
Joachim Ragnitz	Discussion of a research paper at Halle: Stephan, Sectoral structures and productivity gap	Nov 2001
Michael Kaser	Discussion of aims and objectives, methodology of the research project via letter	Sep 2001

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Saturday, 28 September 2002



- *Part II continued:*
Technological catch-up via transfer and indigenous R&D

The first project workshop,
in Warsaw, 27 - 28 September 2002

9:00 Determinants of technology transfer: absorptive capacities
by D. A. Dyker, C. Stolberg
Discussant: M. Šestáková

- *Part III*
Firm-specific determinants of the productivity gaps

**EU Integration and the Prospects for Catch-Up
Development in CEECs**

The Determinants of the Productivity Gap

9:45 Coffee break

10:00 Firm-specific productivity determinants: the results of field studies
by 4 country teams à 30 min.
General discussion

Programme

12:00 End of workshop

Friday, 27 September 2002

9:00 Start of workshop

9:00 Introduction
Professor Horst Tomann for the evaluation expert group
Johannes Stephan with an introduction into the project

- *Part I*
Evolving patterns of specialisation and European division of labour

10:15 Patterns of specialisation in domestic production
by J. Stephan
Discussant: D. Kemme

11:00 Vertical and horizontal patterns of intra-industrial trade
by H. Gabrisch and M.L. Segnana
General discussion

11:45 Coffee break

- *Part II*
Technological catch-up via transfer and indigenous R&D

12:15 R&D inputs and outputs as determinant of productivity growth in selected accession candidates
by S. Radošević
General discussion

13:00 Lunch break

15:00 Mapping the technology structure of multinational company's branch plants - the technology integration of accession candidates: the results of field studies
by 5 country teams à 30 min.
General discussion

17:30 Coffee break

18:00 End of first day

19:30 Workshop dinner

Tomas Sabol

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Maria-Luigia Segnana

University of Trento, Italy

Monika Šestáková

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The first project workshop,
in Warsaw, 27 - 28 September 2002

**EU Integration and the Prospects for Catch-Up
Development in CEECs**

The Determinants of the Productivity Gap

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Matija Rojec
Institute for Economic Research Ljubljana, Slovenia



- *Part V: Firm-specific determinants of the productivity gap*

11:15 Firm-specific productivity determinants: Introduction into main ideas and methodology of workpackage 6
by Johannes Stephan

The second project workshop,
in Prague, 20 - 21 June 2003

11:55 Data envelopment analysis by use of generated data-set
by Petr Fiala and Josef Jablonský

12:25-14:30 Lunch break

14:30 Probit/logit/count models by use of generated data-set
by Ilona Cserháti and Tibor Takács

**EU Integration and the Prospects for Catch-Up
Development in CEECs**

15:00 Matched pair analysis for Poland and Hungary vs West Germany
by Malgorzata Jakubiak and Anna Wziątek-Kubiak

The Determinants of the Productivity Gap

15:30 Matched pair analysis for the Czech Republic and East Germany
vs West Germany
by Johannes Stephan and Karin Szalai

16:00-16:30 Coffee break

Programme

- *Part VI: WP4+6 participants only: the way ahead - the final year*

16:30 Discussion of research plans in the final year in two parallel
sessions by workpackage (WP4 and 6)

18:00 End of workshop

Friday, 20 June 2003

8:30 Reception

9:00 Start of workshop

9:00 Brief introduction into the project
by Johannes Stephan
Keynote Address: Fifty years of cross-country comparisons
within the new Growth Economics
by Michael Kaser

- *Part I: Foreign trade and structure as productivity-determinants*

10:15 Trade and Productivity: What do we really know?
by M.L. Segnana

11:00-11:15 Coffee break

- *Part II: Technology transfer: capabilities and technological strategies*

11:15 Productivity and Capability in the Transition Countries: Initial
Results from Case-Study Interviews
by Cordula Stolberg and David Dyker
Discussant: Jutta Günther

12:15 Mapping the technology mandate of multinational company's
branch plants - the technology integration of accession
candidates: introduction and comparative results
by Slavo Radošević, Boris Majcen and Matija Rojec

12:55-15:00 Lunch break

15:00 Mapping the technology structure: the most prominent, country-
specific results of field studies (not included above)
by 5 country teams (30 min each)

16:30-17:00 Coffee break after first three country teams

18:00 End of first day

20:00 Workshop dinner

Saturday, 21 June 2003

- *Part III: National innovation capacities and technological development*

9:00 Assessing innovation capacities of the Central and East
European countries in the enlarged European innovation system
by Slavo Radošević
Discussant: Miklos Szanyi

- *Part IV: Competition policy and industrial policy*

10:00 Merger Control and Competition Policy in Central East Europe in
view of EU Accession
by Cordula Stolberg / Peter Holmes and
Jens Hölscher / Johannes Stephan
Discussant: Adam Zolnowski

11:00-11:15 Coffee break



Maria-Luigia Segnana
University of Trento, Italy

Jana Sereghyová
Institute for Integration of the Czech Republic into the European and
Global Economy of the University of Economics Prague, Czech Rep.

Monika Šestáková
Slovak University of Technology, Bratislava, Slovak Republic

Milan Sikula +2
Academy of Science, Bratislava, Slovakia

Martin Srholec
Centre for Technology, Innovation and Culture, Norway

Vincent Šoltés
Technical University of Kosice, Slovak Republic

Johannes Stephan
Halle Institute for Economic Research, Germany

Cordula Stolberg
University of Sussex, School of European Studies, United Kingdom

Karin Szalai
Halle Institute for Economic Research, Germany

Miklos Szanyi
Institute for World Economics, Hungary

Tibor Takács
Central Statistical Office, ECOSTAT, Hungary

Horst Tomann
Free University of Berlin, Germany

Anna Wziątek-Kubiak
CASE Warsaw, Poland

Adam Zolnowski
Office for Competition and Consumer Protection, Poland

The second project workshop,
in Prague, 20-21 June 2002

**EU Integration and the Prospects for Catch-Up
Development in CEECs**

The Determinants of the Productivity Gap

List of participants

Attila Béres
Kopint-Datorg Foundation, Hungary

Mr. Chlumský
Institute for Integration of the Czech Republic into the European and
Global Economy of the University of Economics Prague, Czech Rep.

Ilona Cserháti
ECOSTAT, Hungary

David Dyker
Sussex University, United Kingdom

Petr Fiala
University of Economics Prague, VSE, Czech Republic

Jutta Günther
Halle Institute for Economic Research, Germany

Judit Hamar
Kopint-Datorg Foundation, Hungary

Helena Hannula
University of Tartu, Estonia

Peter Holmes
University of Sussex, United Kingdom

Jens Hölscher
University of Brighton, United Kingdom

Adela Hoskova
Technical University of Kosice, Slovak Republic

Gabor Hunya
WIIW, Austria

Josef Jablonský
University of Economics Prague, VSE, Czech Republic

Malgorzata Jacubiak
CASE Warsaw, Poland

Anna Kaderabkova
University of Economics Prague, VSE, Czech Republic

Maria Kania
University of Opole, Poland

Michael Kaser
Oxford University and IGS, Birmingham, United Kingdom

Angele Kedaitiene
Faculty of Economics, Vilnius University, Lithuania

Mrs Klvačová
Institute for Integration of the Czech Republic into the European and
Global Economy of the University of Economics Prague, Czech Rep.

Boris Majcen
Institute for Economic Research Ljubljana, Slovenia

Krzysztof Malik
University of Opole, Poland

Katrin Männik
University of Tartu, Estonia

Karol Morvay
Slovak Academy of Sciences, Bratislava, Slovakia

Romuald Niedzielski
University of Opole, Poland

Slavo Radoševic
University College London, SSEES, United Kingdom

Matija Rojec
Institute for Economic Research Ljubljana, Slovenia

Tomas Sabol
Technical University of Kosice, Slovak Republic



The third project conference in Budapest

Date:

29 - 30 May 2004

Venue:

Mercure Budapest Nemzeti ****

H-1088 Budapest, József krt. 4.

Tel.: 36-1-477 2000, Fax: 36-1-477 2001

EU Integration and the Prospects for Catch-Up Development in CEECs The Determinants of the Productivity Gap

Programme

This workshop forms the third meeting of researchers involved in the "productivity gap" - research project. Its main aim is to present to a critical audience the summaries of main research results generated during the past 2 ½ years. This however is not supposed to be the final meeting: the consortium-network will remain intact and keep on organising annual conferences on the topic.

The project was financially supported by the Commission of the European Union in its 5th Framework Programme (HPSE-CT-2001-00065). The project started in September 2001 and runs until August 2004. All research results and a project description can be found on our project internet-site:

<http://www.iwh-halle.de/projects/productivity-gap/>

Saturday, 29 May 2004

9:00 Start of the conference

- 9:00 Welcome address and introduction to the conference
Scope, aims and objectives of the project *Productivity gap*
Short introduction by Johannes Stephan

• *Part I: Sectoral and structural productivity-determinants*
Chair: Hubert Gabrisch

- 10:00 What can we infer from sectoral structures in terms of future prospects of productivity catch-up in Central East European Countries?
Presentation: Johannes Stephan
- 10:30 Openness, domestic production and catch up of EU accession countries - Sectoral *versus* intra-sectoral results
Presentation: Maria Luigia Segnana with Antonio Dal Bianco

11:00-11:30 Coffee break

- 11:30 Skill-intensities in Central East European Countries: a comparison to EU and prospects for catch-up
Presentation: Anna Kaderabkova
12:00 General discussion on first three presentations

12:30-14:30 Lunch break

• *Part II: Technology transfer: FDI and technological strategies*
Chair: Michael Kaser

- 14:30 The effect of foreign direct investment on productivity in Estonian and Slovenian manufacturing
Presentation: Priit Vahter
15:00 Comment: NN
- 15:15 The conceptual framework for field work design and analysis of generated data on technological strategies of foreign direct investment networks
Presentation: Slavo Radoševic
15:45 General discussion of the conceptual framework of fieldwork

Saturday, 29 May 2004 ...cont.

16:00-16:30 Coffee break

- 16:30 Strategic control and productivity growth of foreign subsidiaries in Central European Countries - A comparative analysis of data generated in workpackage 4 on foreign direct investment
Presentation: Boris Majcen, Matija Rojec and Slavo Radoševic
17:00 Comment: Petr Fiala and Josef Jablonský
- 17:15 Country, industry, and firm size effects on foreign subsidiary strategy: an example of five CEE countries
Presentation: Helena Hannula, Katrin Männik, and Urmas Varblane
17:45 Comment: David Kemme
- 18:00 Poster session with graduate Budapest students

21:00 Conference dinner

Sunday, 30 May 2004

• *Part II: continued...*

Chair: Herman W. Hoen

- 9:00 Functional upgrading and productivity growth in foreign subsidiaries in Slovenian manufacturing sector
Presentation: Boris Majcen, Matija Rojec, and Andreja Jaklič
9:30 Comment: Miklos Losoncz
- 9:45 Foreign investment enterprises in the EU and Poland - when subsidiaries take the initiative
Presentation: Romuald Niedzielski, Maria Kania, and Teresa Grabinska
10:15 Comment: Tomas Sabol

• *Part III: Firm-specific determinants*

Chair: Gabor Hunya

- 9:00 Firm-specific determinants and strategic management in comparative analysis of East and West Germany, Poland, the Czech Republic, and Hungary
Presentation: Johannes Stephan
9:30 Comment: Anita Wölfl
- 9:45 A matched-pair analysis of firm-specific determinants: a comparative analysis of Poland, the Czech Republic, Hungary, and Germany as benchmark
Presentation: Malgorzata Jakubiak, Anna Wziatek-Kubiak
10:15 Comment: Richard Woodward

Sunday, 30 May 2004 ...cont.

10:30 Mapping the Technology Structure of
Branch Plants and Technology
Integration of CEECs
Presentation: Judit Hamar
11:00 Comment: NN

10:30 International comparison of productivity
and analysis of the role of innovation
Presentation: Ilona Cserháti, Tibor Takács
11:00 Comment: Attila Varga

11:15-11:45 Coffee break

11:45 Foreign Direct Investments and their
Impact on Economic Growth in Slovak
Manufacturing Sector
Presentation: Tomas Sabol, Vincent
Soltes
12:15 Comment: Romuald Niedzielski

11:45 Quantitative analyses of productivity gap
between Central European firms
Presentation: Petr Fiala, Josef Jablonský
12:15 Comment: Jaroslav Husár

12:30-14:30 Lunch break

• *Part IV: R&D, innovation capacities, and technology transfer capabilities in CEECs*
Chair: Richard Woodward

14:30 Productivity and capability in the transition countries - a historical perspective and comparative
analysis of field study results
Presentation: David Dyker and Cordula Stolberg
15:00 Comment: Monika Šestáková

15:15-15:45 Coffee break

15:45 R&D, innovation and productivity growth in Central East Europe
Presentation: Slavo Radoševic
16:15 Comment: Attila Havas

• *Part V: EU policy intervention and effects on CEECs*

16:30 Swift catching up in new EU members from CEE: what role and scope for policy assistance?
Presentation: Peter Holmes, Javier Lopez, Cordula Stolberg, Johannes Stephan
17:00 Comment: Walter Heering

17:15 Concluding remarks and final discussions closing the conference

18:00 End of conference



The third project conference
in Budapest, 29 - 30 May 2004

**EU Integration and the Prospects for Catch-Up
Development in CEECs
The Determinants of the Productivity Gap**

List of participants

- 1 Attila Béres
Budapest University of Economic Sciences and Public Administration, Hungary
- 2 László Csaba
Central European University Budapest, Hungary
- 3 Ilona Cserhádi
ECOSTAT, Hungary
- 4 Szabolcs Deák
University of Szeged, Hungary
- 5 David Dyker
Sussex University, United Kingdom
- 6 Petr Fiala
University of Economics Prague, VSE, Czech Republic
- 7 Hubert Gabrisch
Halle Institute for Economic Research, Germany
- 8 Pál Gáspár
International Center for Economic Growth (ICEG) Budapest, Hungary
- 9 Péter Gedeon
Budapest University of Economic Sciences and Public Administration
- 10 Anita Halász
International Center for Economic Growth (ICEG) Budapest, Hungary
- 11 Judit Hamar
Kopint-Datorg Foundation, Hungary

- 12 Helena Hannula
University of Tartu, Estonia
- 13 Attila Havas
Institute of Economics, Hungarian Academy of Sciences, Hungary
- 14 Walter Heering
Brighton Business School, United Kingdom
- 15 Frigyes Heinz
European Central Bank, EU Countries Division, Germany
- 16 Katie Higginbottom
University of Sussex, United Kingdom
- 17 Herman W. Hoen
University of Groningen, The Netherlands
- 18 Peter Holmes
University of Sussex, United Kingdom
- 19 Gábor Hunya
Vienna Institute for International Economic Studies (WIIW), Austria
- 20 Leonardo Iacovone
University of Sussex, United Kingdom
- 21 Josef Jablonský
University of Economics Prague, VSE, Czech Republic
- 22 Malgorzata Jakubiak
CASE Warsaw, Poland
- 23 Anna Kaderabkova
Centre for Economic Studies, Prague, Czech Republic
- 24 Michael Kaser
Oxford University and IGS, Birmingham, United Kingdom
- 25 György Komáromi
University Budapest, Hungary
- 26 Nils Kotoed
University of Sussex, United Kingdom
- 27 Javier Lopez
University of Sussex, United Kingdom
- 28 Miklós Losoncz
GKI Economic Research Budapest, Hungary
- 29 Boris Majcen
Institute for Economic Research Ljubljana, Slovenia
- 30 Katrin Männik
University of Tartu, Estonia
- 31 Matyas Marczisovszky
Kopint-Datorg Budapest, Hungary
- 32 Ádám Mészáros
Budapest University of Engineering, Economics Department, Hungary
- 33 Junko Mizuno
University of Sussex, United Kingdom
- 34 Judit Mosoni-Fried
Hungarian Academy of Sciences, Budapest

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- 37 Éva Katalin Polgár
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- 38 Franciszek Przesór
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- 39 Slavo Radoševic
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- 40 Matija Rojec
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- 41 Tomas Sabol
Technical University of Kosice, Slovak Republic
- 42 Maria-Luigia Segnana
University of Trento, Italy
- 43 Monika Šestáková
Slovak University of Technology, Bratislava, Slovak Republic
- 44 Vincent Šoltés
Technical University of Kosice, Slovak Republic
- 45 Péter Szomortai
Budapest University of Economic Sciences and Public Administration, Hungary
- 46 Johannes Stephan
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- 47 Cordula Stolberg
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- 48 Tibor Takács
Central Statistical Office, ECOSTAT, Hungary
- 49 Máté Tóth
International Center for Economic Growth (ICEG) Budapest, Hungary
- 50 Priit Vahter
University of Tartu, Estonia
- 51 Urmas Varblane
University of Tartu, Estonia
- 52 Attila Varga
Pécs University, Hungary
- 53 Richard Woodward
CASE Warsaw, Poland
- 54 Anna Wziątek-Kubiak
CASE Warsaw, Poland
- 55 Peter Zajc
European Investment Bank, Luxembourg
- 56 Gyula Zilahy
Budapest University of Economic Sciences and Public Administration, Hungary

Number: _____

QUESTIONNAIRE FOR FOREIGN INVESTMENT ENTERPRISES

1. What is **your firm's activity** at 3-digit NACE code (See attached classification. If your registration is very broad, please indicate the three most important activities only):

- _____ - _____ - _____

2. What is the total **number of employees** employed in your company: _____

3. What is the **year of establishment** of your company: _____

4. What is the year of registration of your company **as a foreign investment enterprise** (if different from question 3): _____

5. What is the current **equity share of the foreign owner**?
 less than 10% 10-50% 51-99% 100%

6. Do you produce **intermediary** goods, **final** products, or both?ⁱ

7. Please, tick which **functions are being undertaken** (a) on your own only, (b) mainly on your own, (c) mainly by your foreign owner, or (d) by your foreign owner only.

Functions	only your company	mainly your company	mainly foreign owner	only foreign owner
Technical product development ⁱⁱ				
Process engineering ⁱⁱⁱ				
Determining the product price				
Supply and logistics				
Accounting and finance of operations				
Investment finance				
Market research ^{iv}				
Distribution, sales				
After sale services				
Advertisement ^v				
Marketing ^{vi}				
Operational planning ^{vii}				
Strategic planning				

8. How many lines of businesses^{viii}, or clearly different product lines, did you produce at the time of establishing your foreign investment enterprise (as in question 4)? _____

How many lines of businesses do you currently have? _____

9. Please evaluate the magnitude of the following changes since the registration of your company as a foreign investment company (as in question 4). Please tick appropriately:

1 = NOT SIGNIFICANT, ..., 5 = VERY SIGNIFICANT					
Value of domestic sales	1	2	3	4	5
Value of exports	1	2	3	4	5
Level of productivity in production	1	2	3	4	5
Technology of production equipment	1	2	3	4	5
Quality of produce	1	2	3	4	5

10. Please indicate the **structure of the volume of your sales** (in %) according to the origin of buyers:

Sales to your foreign partner	
Sales to other foreign buyers	
Sales to other domestic subsidiaries of your foreign partner	
Sales to other domestic buyers	
TOTAL	100%

11. Please indicate the **structure of the volume of your supplies** (in %) according to the items below:

Imports from your foreign partner	
Imports from other foreign suppliers	
Supplies from other domestic subsidiaries of your foreign partner	
Supplies from other domestic suppliers	
TOTAL	100%

12. How **important are each of the following areas and sources** for your competitiveness? Please indicate the appropriate number in each cell of the table (*i.e.* for all areas and all sources).^{ix}

Levels between 1 = NOT IMPORTANT, 2, 3, 4, and 5 = VERY IMPORTANT.

	AREAS	Quality control assistance	Patents and licenses, R&D	People and training	Management
SOURCES					
Your own organisation					
Your foreign owner company					
Other buyers abroad					
Other sellers abroad					
Other domestic subsidiaries of your foreign owner company					
Other buyers at home					
Other sellers at home					
Other sources (R&D institutes, universities, consultancies, <i>etc.</i>)					

13. Please indicate how important is each of the following **sources of finance** for your company?

1 = NOT IMPORTANT, ..., 5 = VERY IMPORTANT						
Your retained earnings	1	2	3	4	5	
Your foreign owner company	1	2	3	4	5	
Other foreign sources (banks, other firms, <i>etc.</i>)	1	2	3	4	5	
Other domestic subsidiaries of your foreign owner	1	2	3	4	5	
Other domestic sources (banks, other firms, <i>etc.</i>)	1	2	3	4	5	

14. Who has undertaken the **initiative for changes** in the following areas:

	only your company	mainly your company	mainly foreign owner	only foreign owner
In business functions				
In number of lines of businesses				
In sales and exports				

15. Please, tick directions in which you expect that **your mandate will evolve?**

	Increase	Decrease	Unchanged
the number of business functions undertaken independently			
the number of lines of businesses (line of products)			
sales and exports			

BACKGROUND INFORMATION, DEFINITIONS:

- A “Foreign investment enterprise” is a company with any percentage of shares in foreign ownership.
- A “Foreign investor” or “Foreign owner company” is the owner of the foreign equity share.

SOME ADDITIONAL EXPLANATIONS FOR THE QUESTIONS:

- i Final products are those produced directly for the final consumer market; intermediary goods constitute goods or materials which are used as input for further production and are typically sold to other producing firms.
- ii Technical product development entails the development of the product in terms of what functions the product provides as well as the technical solutions to be solved to allow the product to offer those functions.
- iii Process engineering includes activities geared towards finding an efficient way to organise the process of production.
- iv Market research for the product is an assessment of the expectable quantitative extent of demand for the product and an assessment of customer preferences for the design of the product. The design incorporates both the range of possibilities for which the product can be used and the way the product looks like (colour, shape, *etc.*).
- v The main focus of “organisation of advertisement” is on the development of means of advertisement (in media, on the street, in public transport, advertisement campaigns, *etc.* and not on the financing of such activities.
- vi Marketing entails not only advertisement activities (as above) but also all activities within the company which aim at increasing the demand for the product (*e.g.* search for markets, changes to the product according to the preferences of the customers, *etc.*).
- vii Operational planning includes activities geared towards the day-to-day operations of the company.
- viii The number of lines of businesses is the number of clearly different products you produce. Products belong to a different business line, if they offer significantly different services to the customer.
- ix The table is designed in a matrix-form. That means that you should take into account both rows and columns when determining your answer in each cell. We want to know *e.g.* in the first cell of the table how important for the competitiveness of your company is the input of “your foreign partner” into “quality control assistance”. Please enter one value between 1= NOT IMPORTANT and 5=VERY IMPORTANT into that cell. Also do the same in all other cells.

Questionnaire for firm-specific determinants of labour productivity

- 1 What was the **turnover** of your firm in 2002 ?
Please enter in million [€]: € mn
- 2 What were the **total costs (pre-tax)** of your firm in 2002 ?
Please enter in million [€]: € mn
- 3 What is your estimation of the **share of intermediate consumption** ⁱ⁾
in total production value ? Please mark on the scale from 0 to 100%: 10 30 50 70 90
- 4 What are the **two most important specific products** of your firm ? Please enter their **descriptions** and the individual **shares** of the two products in total sales of 2002:
1: share: % 2: share: %
- 5 How **intense** is **competition** for your firm's main product (No.1 above) ?
Please mark on the scale from 0 to 100%: 10 30 50 70 90
- 6 How do you **cope with intense competition** ? Please mark for either of the three options:
Reducing employment: Reducing other costs: Introducing new products:
- 7 How many **new products** have been successfully **introduced** to the market by your firm in the last 3 years (*i.e.* product innovations) ? products
- 8 Please indicate the **number of people** working today in the following two groups of personnel in your firm:
Management and administration persons
Rest (workers) persons
- 9 How many in those two groups have a **formal qualification** (or extraordinary work experience) ?
Management and administration persons
Rest (workers) persons
- 9 How many engaged in formal means of **improving their qualification** ⁱⁱ⁾ during the last 3 years ?
Management and administration persons
Rest (workers) persons
- 11 What were the **labour costs** (wages and social contributions) in your firm in 2002 ? Please enter in million [€]: € mn
- 12 What is the **value of fixed assets** of your firm in 2002 ?
Please enter in million [€]: € mn

Some Further Explanations:

- i) **Share of intermediate consumption:** The price of one of your main products is 100 units. How large is the share of the value of raw material and semi-finished products, your firm bought to produce the product?
- ii) We are interested in **any means of improving qualification of personnel**, whether bought as an external service or financed and organised from within the firm.
- iii) **Operational planning** concerns activities targeted at improving efficiency in regularly recurring activities, whereas **strategic planning** is a non-continuous task targeted at mainly increasing market (shares) and exploring new markets, increasing sales prices via product or service quality and targeted at reducing production costs.
- iv) By value share, we mean the **share of value of contracts** with partners you do business on a regular basis over a period of at least 2 years (as a percentage of the total value of contracts with each partner-category).
- v) By the quality of **urban transport**, we mean the accessibility (proximity of stations/bus stops; frequency service on the timetable) of the location of the firm for employees and guests using busses, metro, trams, trains, *etc.*
- vi) By the quality of **roads/motorways, railway and water transport** for deliveries to your firm and the shipping of your own products, we mean *e.g.* the quality and size of roads for cars and lorries, the proximity of railway stations and harbours, and the frequency of service, *etc.*
- vii) By the quality of **telephone, fax and internet**, we mean the availability of such communication services and the speed of possible internet-connections, *etc.*