

Networks of Interregional R&D Collaboration in CEE

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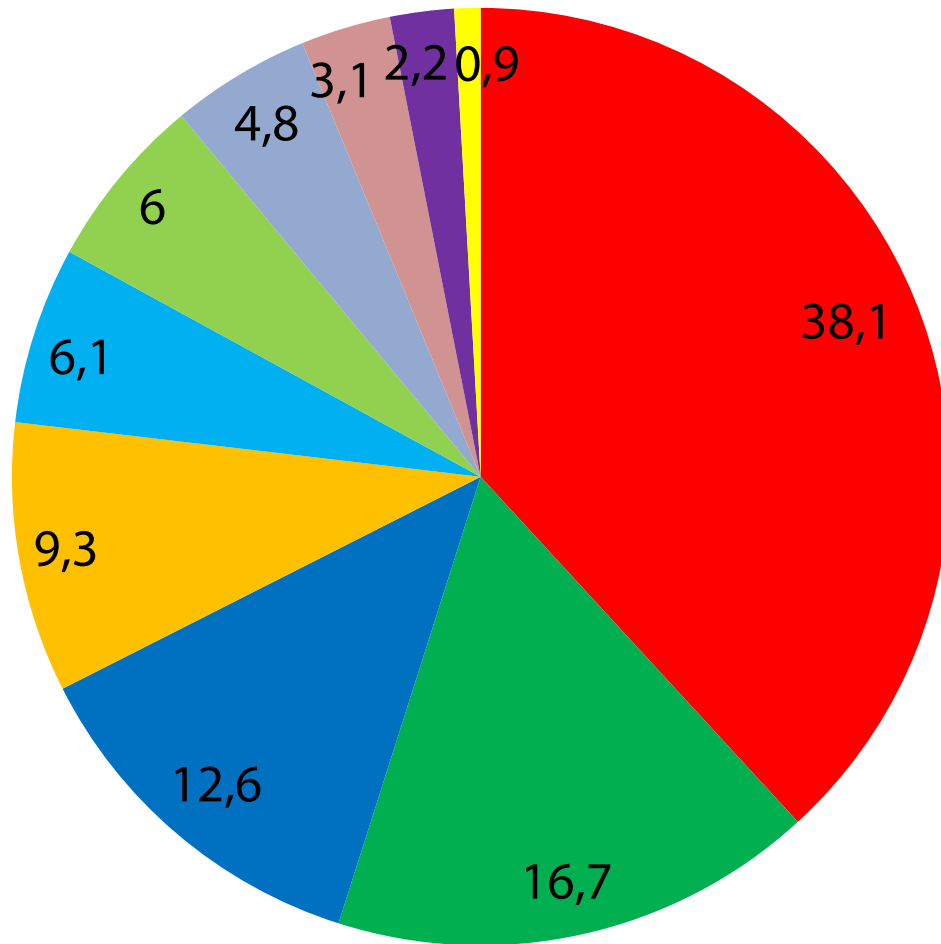
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Introduction



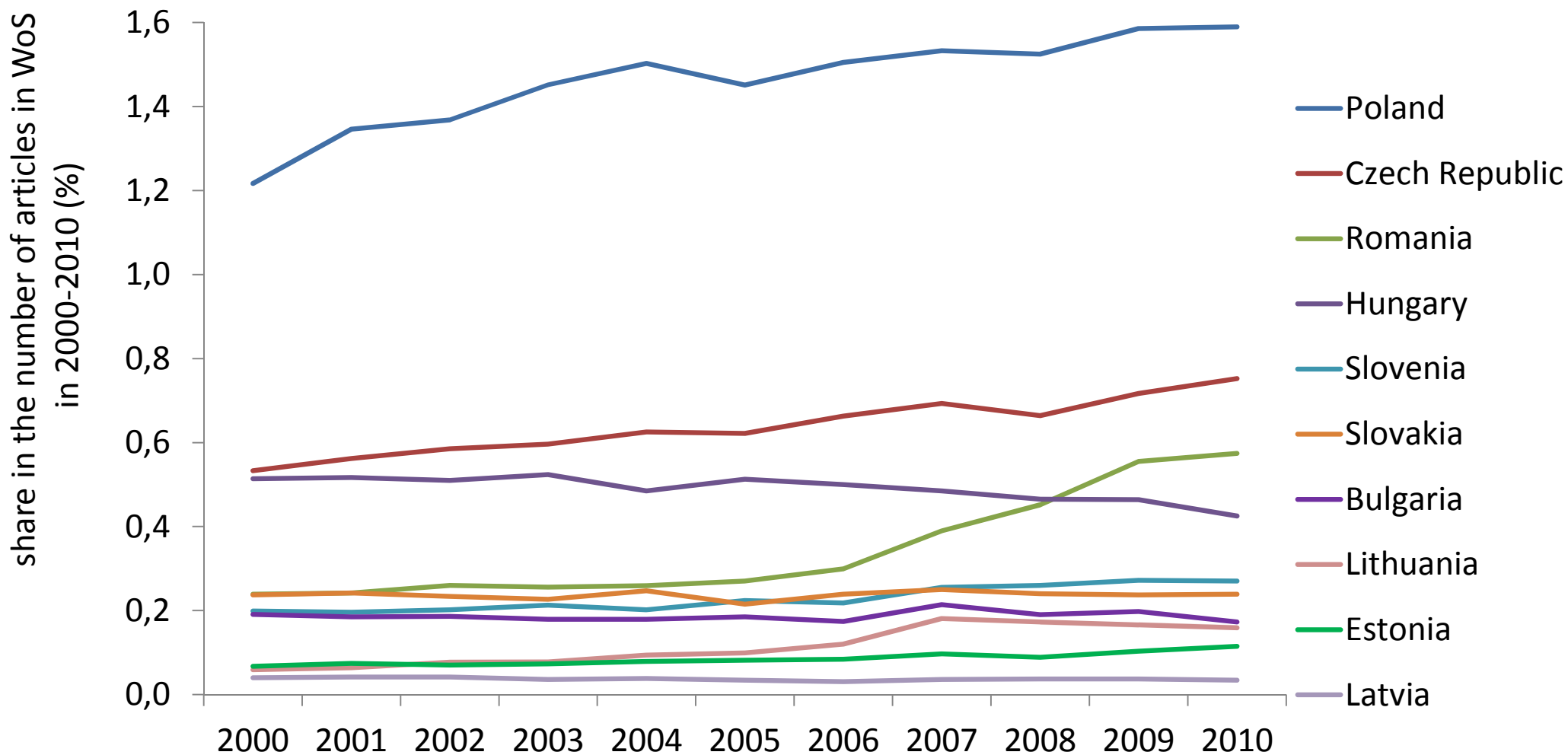
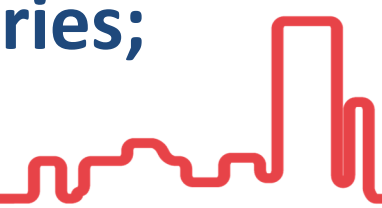
1. Exploratory study
2. Source of data: Web of Science, Thomson Reuters
3. Time series: 2000-2010
4. Spatial coverage: NUTS0-NUT3 of Central and Eastern Europe countries
5. Main characteristics of the dataset :
 - 405 671 articles
 - 613 126 affiliations

The publication performance of the CEE countries; 2000-2010 (%)

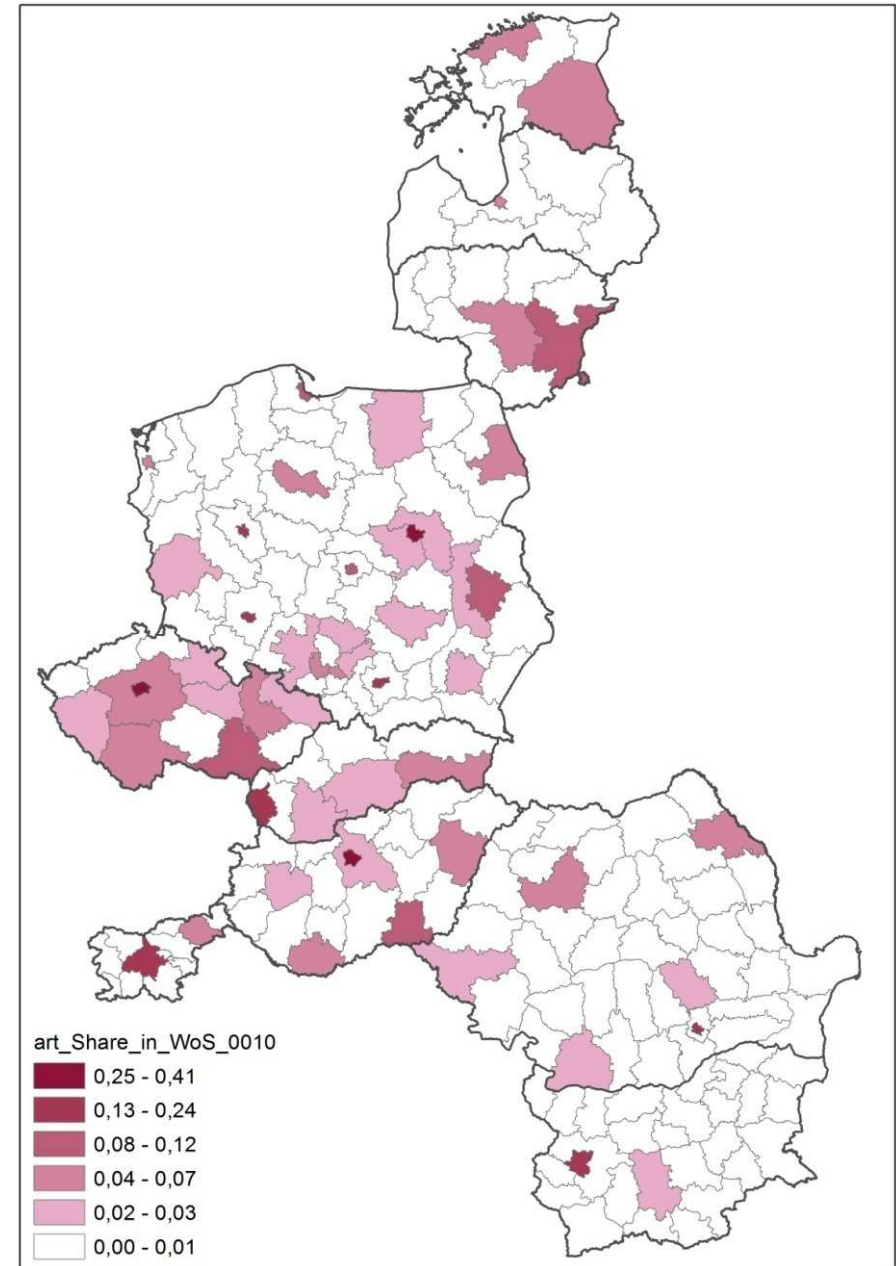
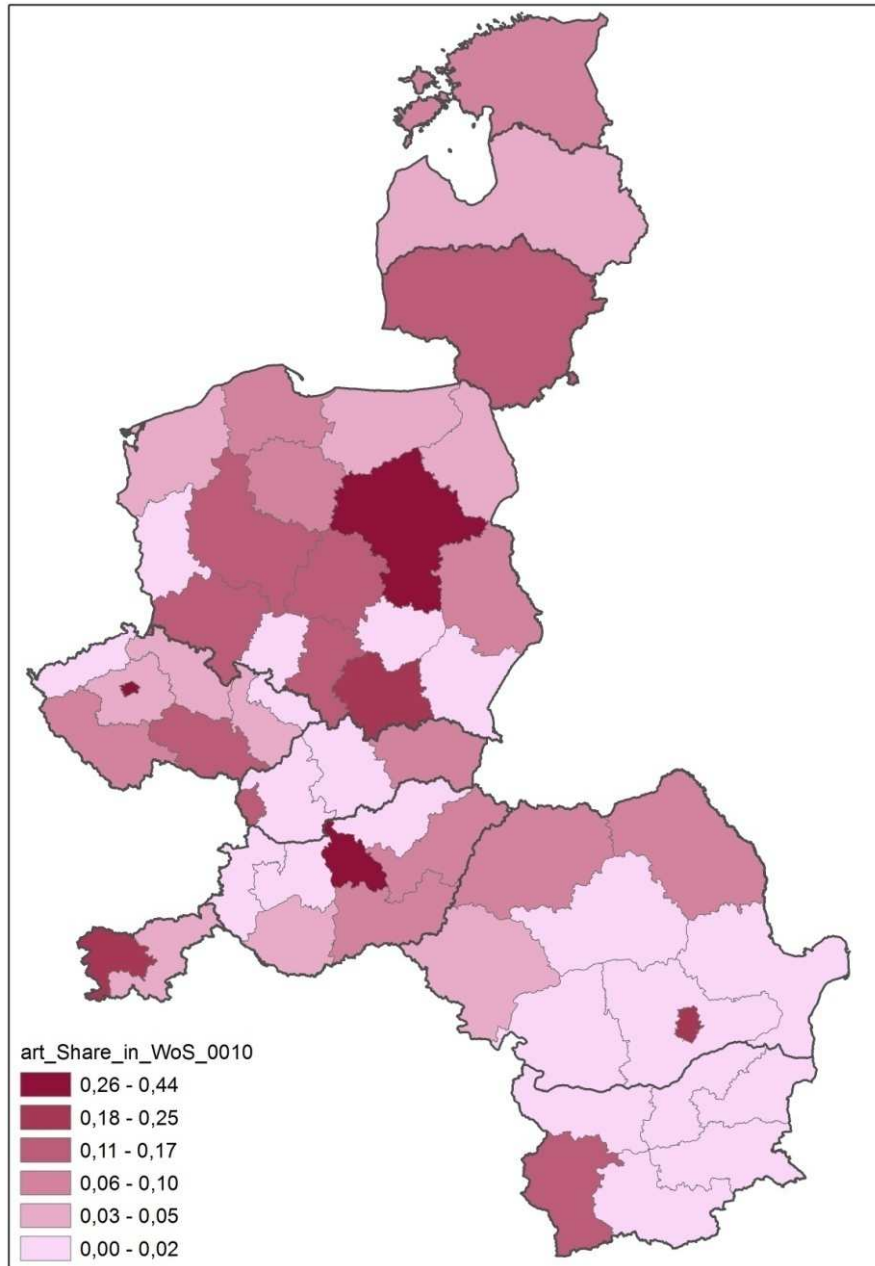


- Poland
- Czech Republic
- Hungary
- Romania
- Slovakia
- Slovenia
- Bulgaria
- Lithuania
- Estonia
- Latvia

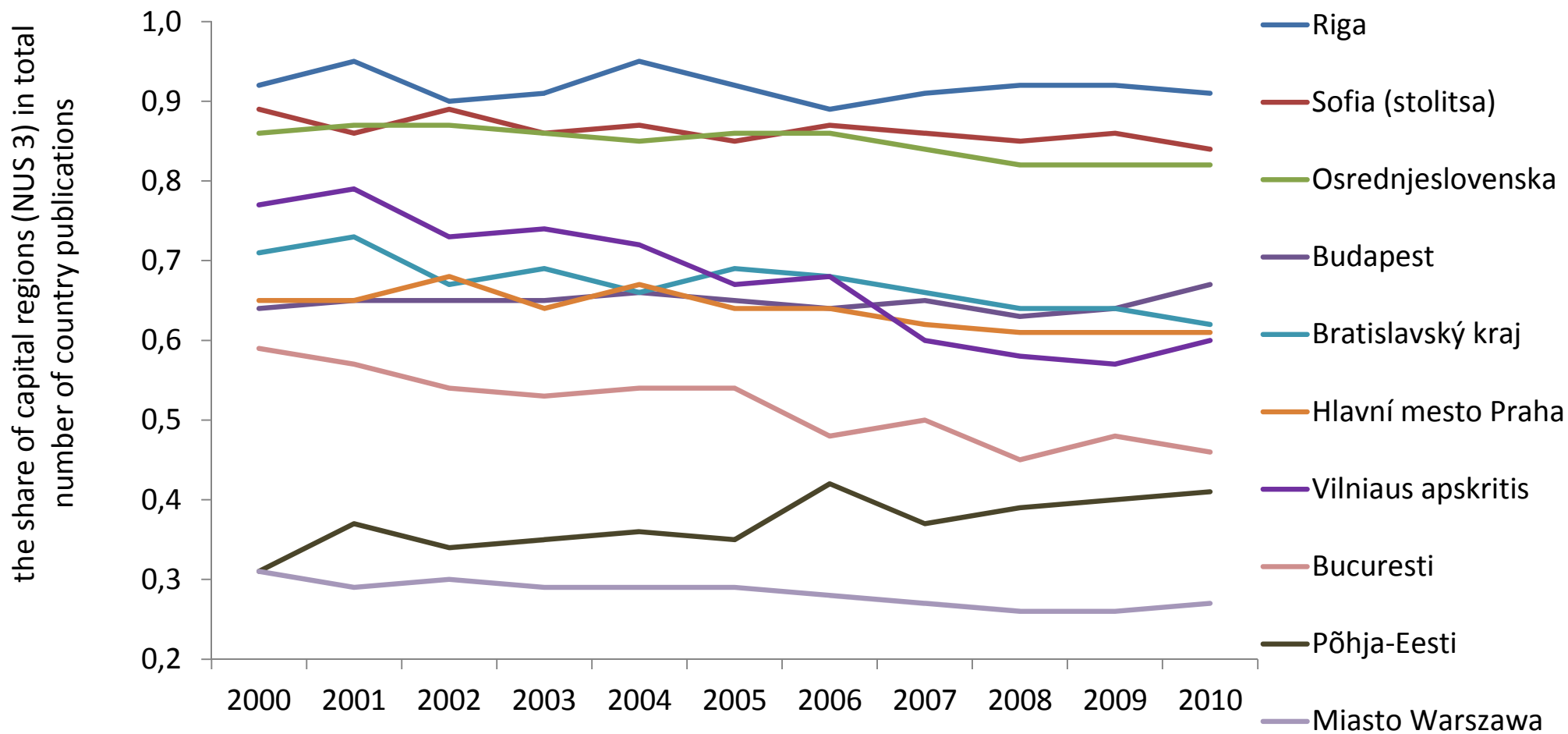
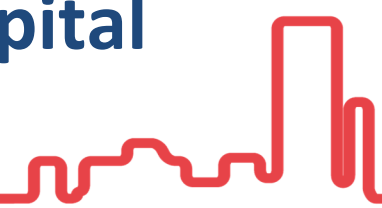
Share of world scientific production by CEE countries; 2000-2010



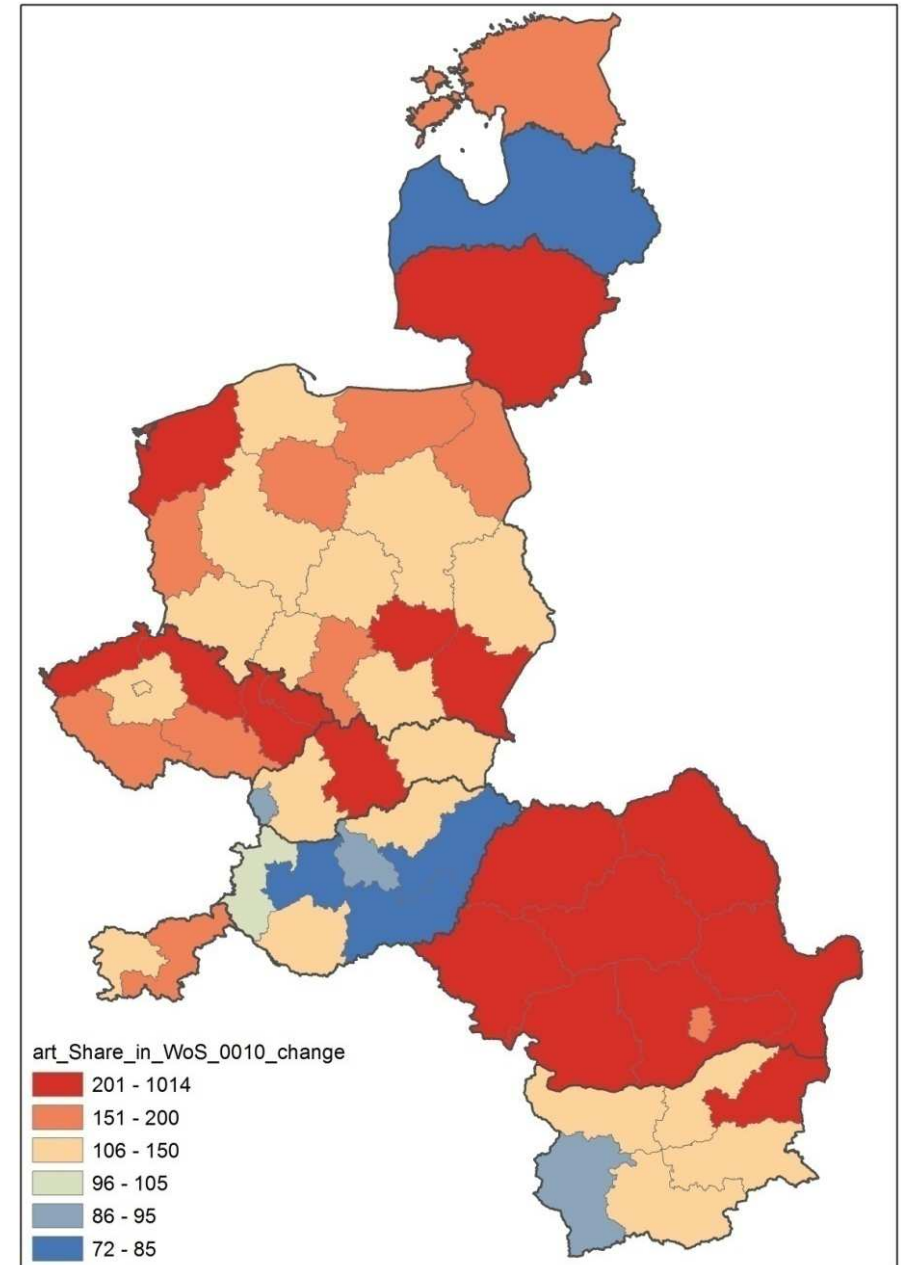
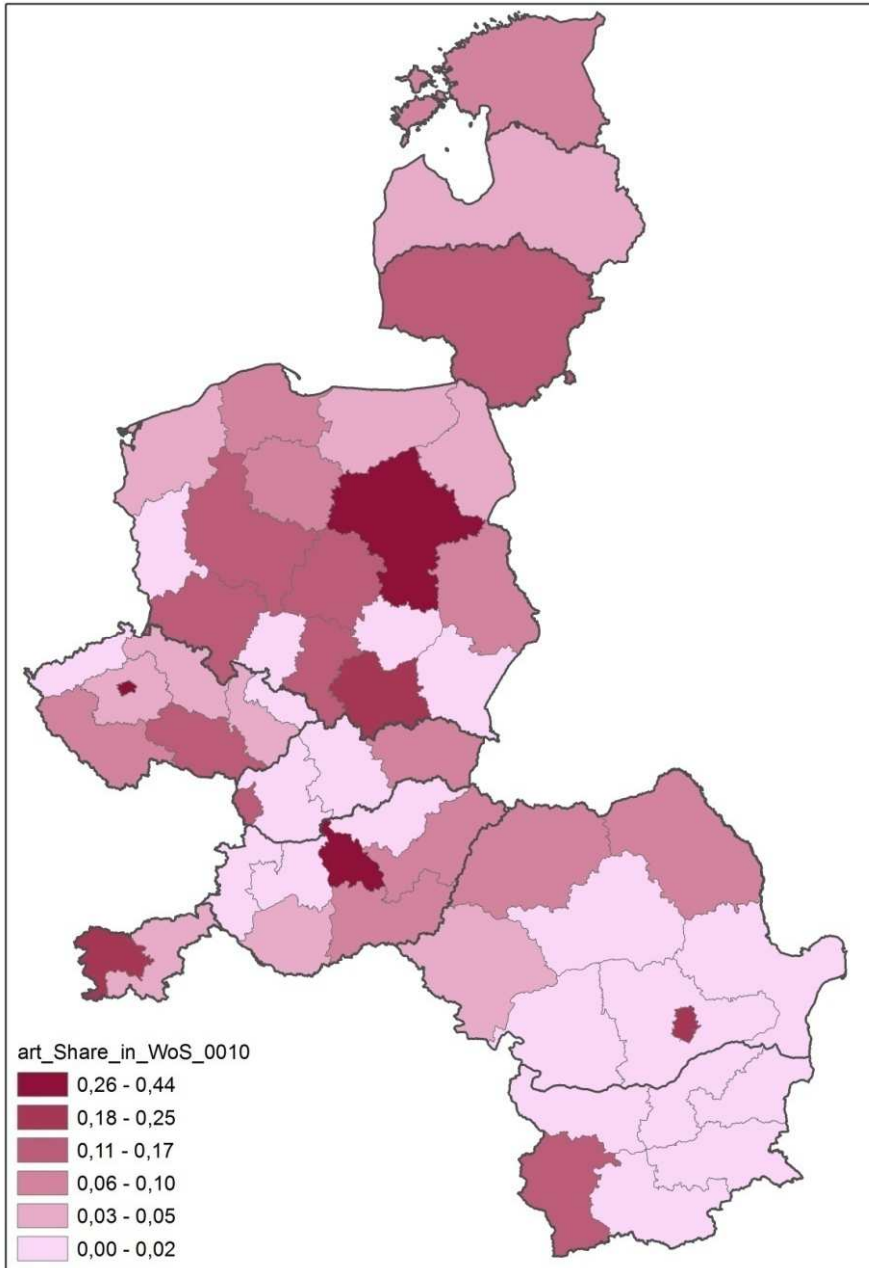
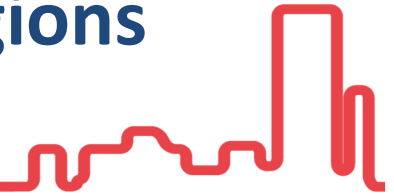
Share of world scientific production by NUTS 2 and NUTS 3 regions of CEE countries; 2000-2010



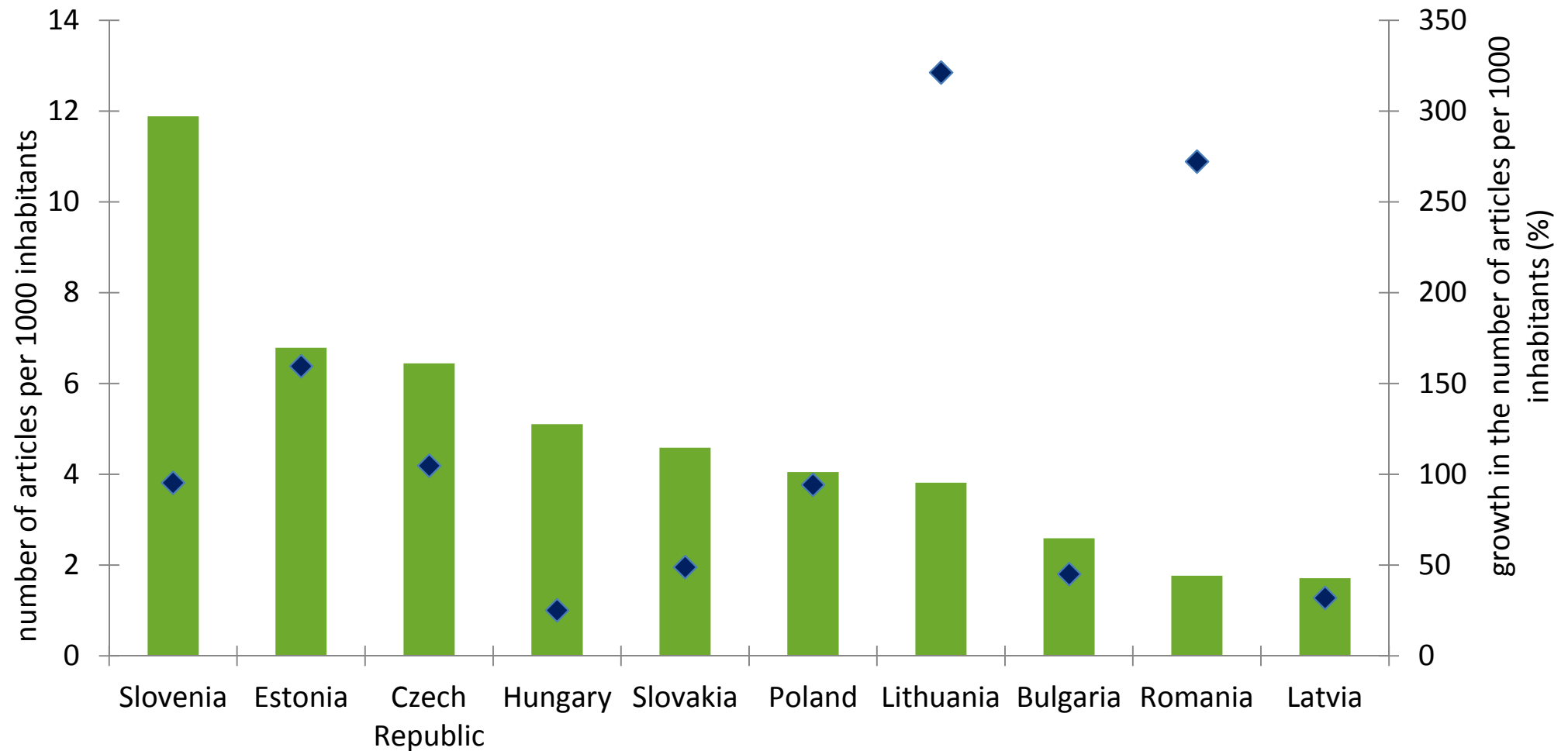
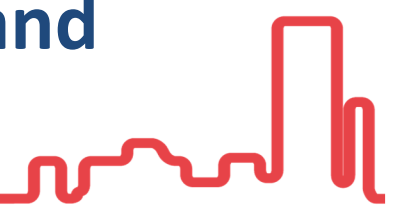
Significance of the science performance of the capital regions of CEE countries; 2000-2010



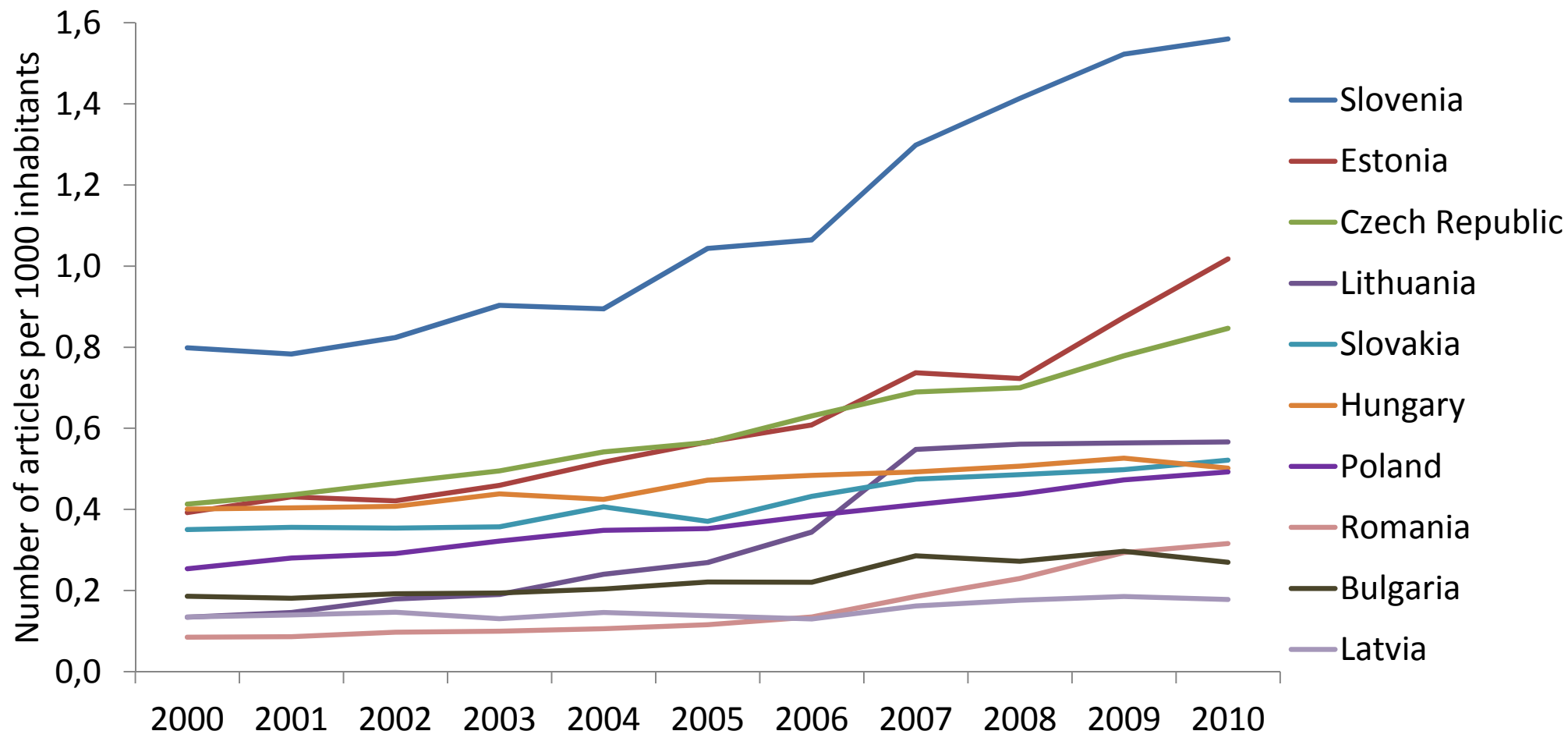
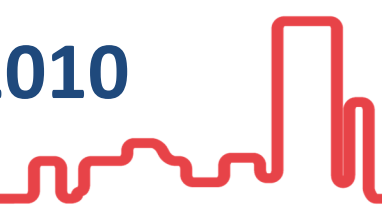
Share of world scientific production by NUTS 2 regions of CEE countries – state and change; 2000-2010



Intensity of scientific production – performance and dynamics; 2000-2010

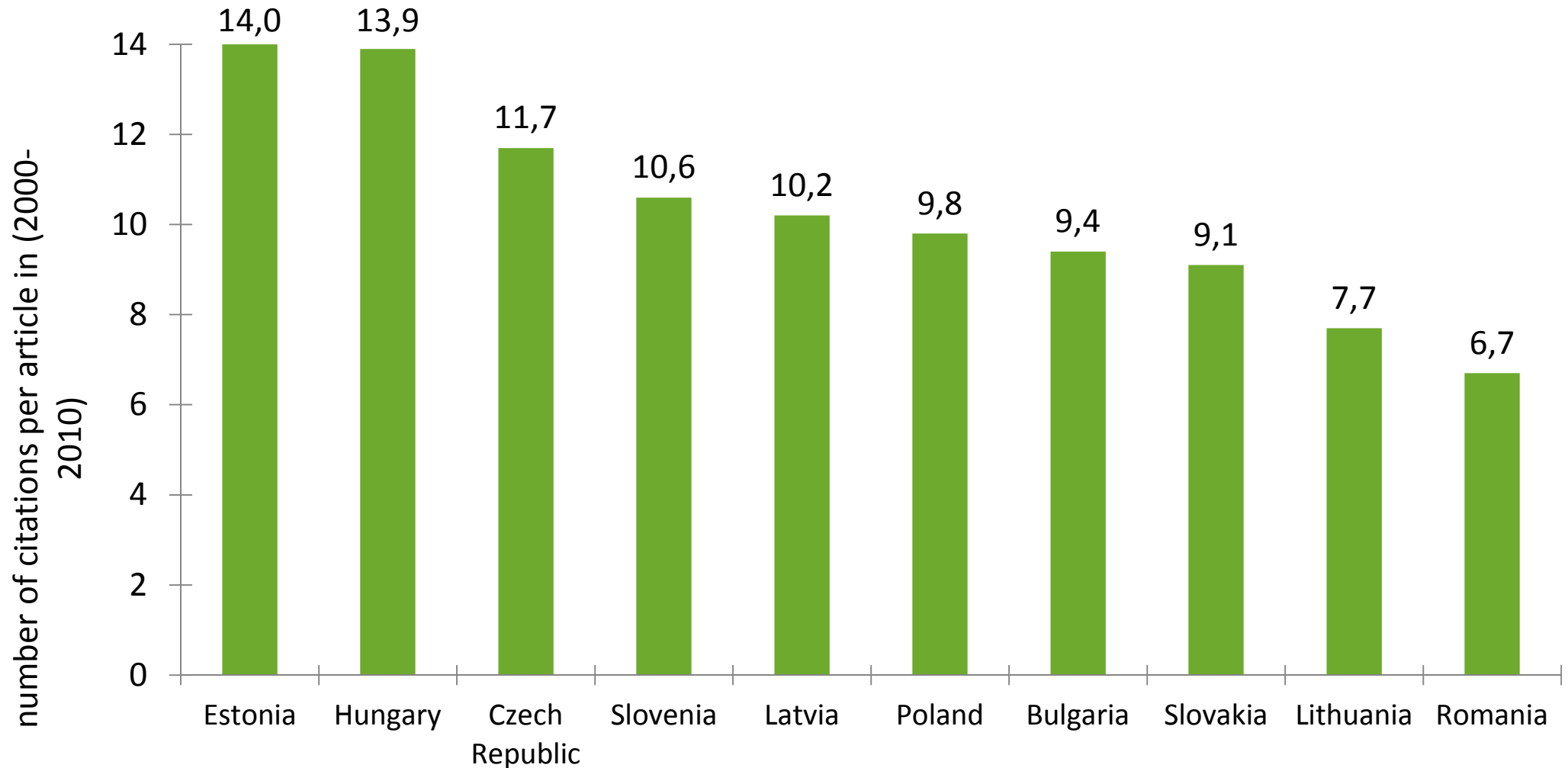


Intensity of scientific production – trends; 2000-2010

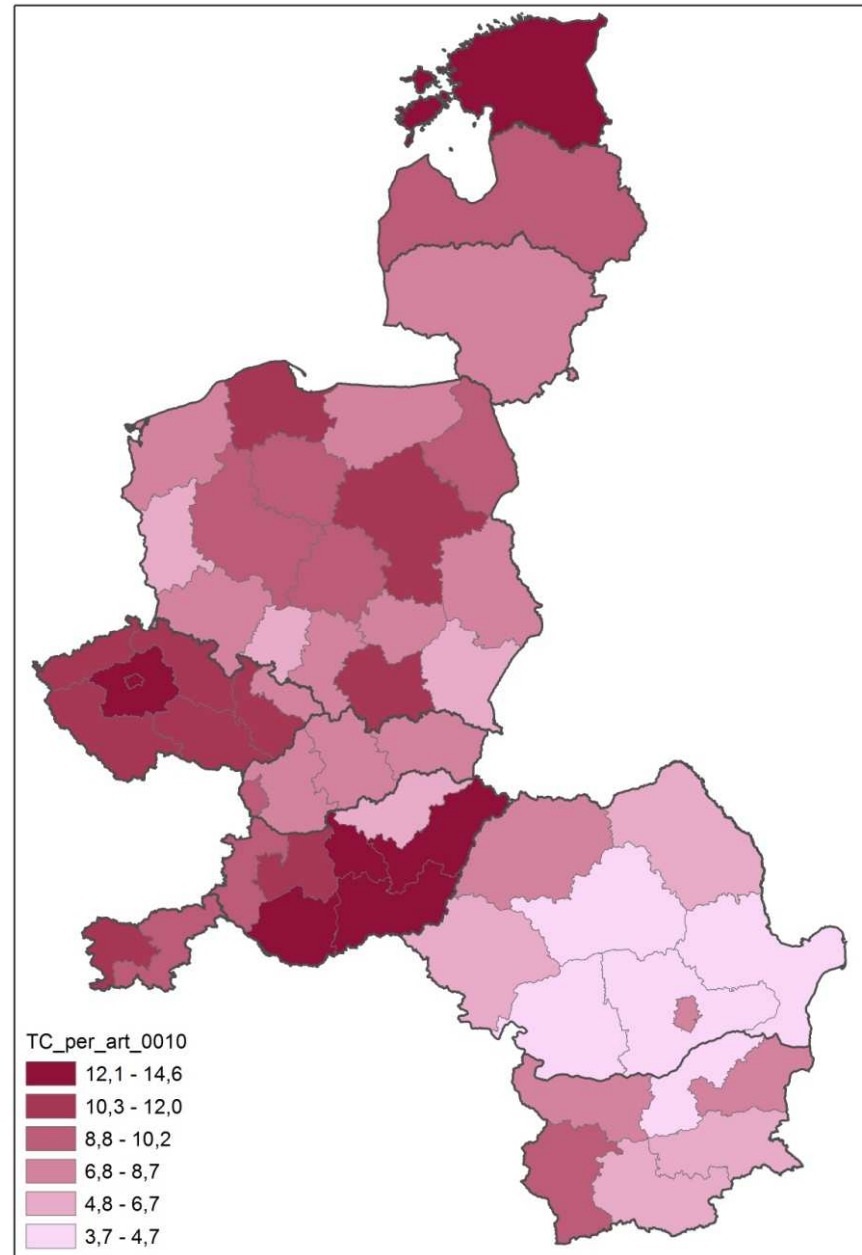


Citations of articles in CEE countries; 2000-2010

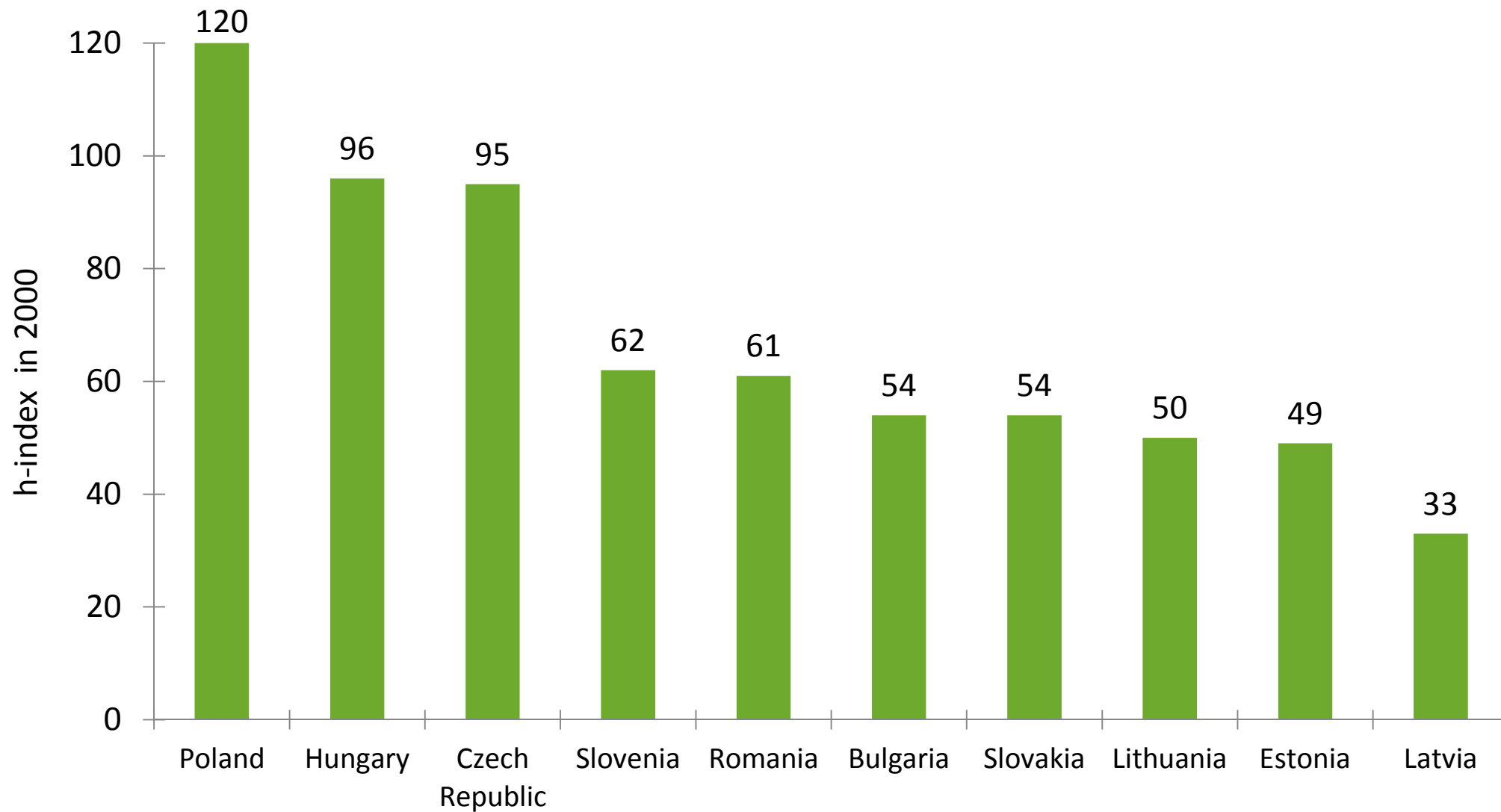
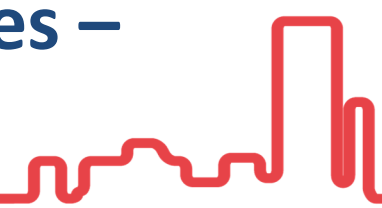
Visibility and/or quality and/or impact?



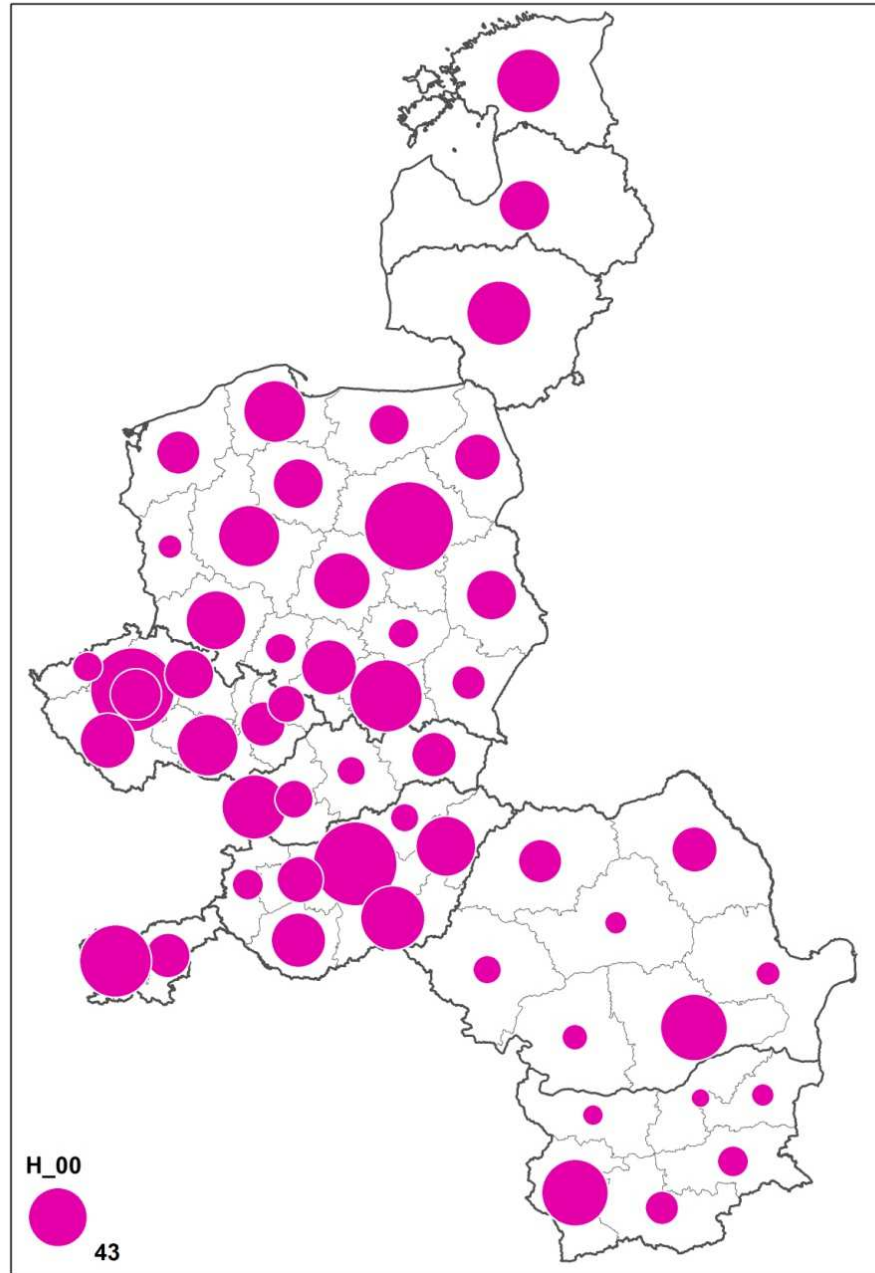
Citations of articles in NUTS 2 regions of CEE countries; 2000-2010



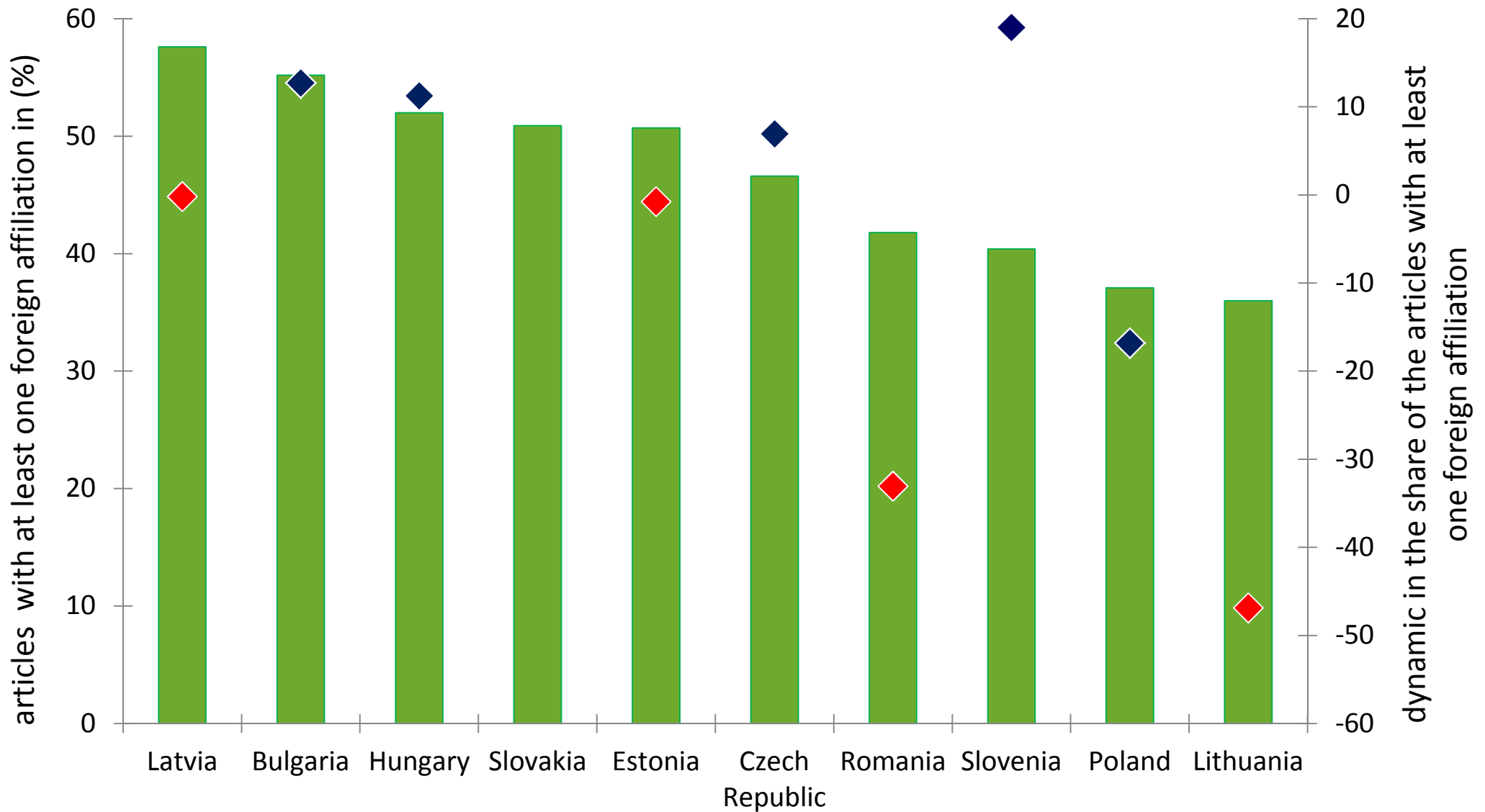
Productivity and impact of science in CEE countries – performance and dynamics; 2000



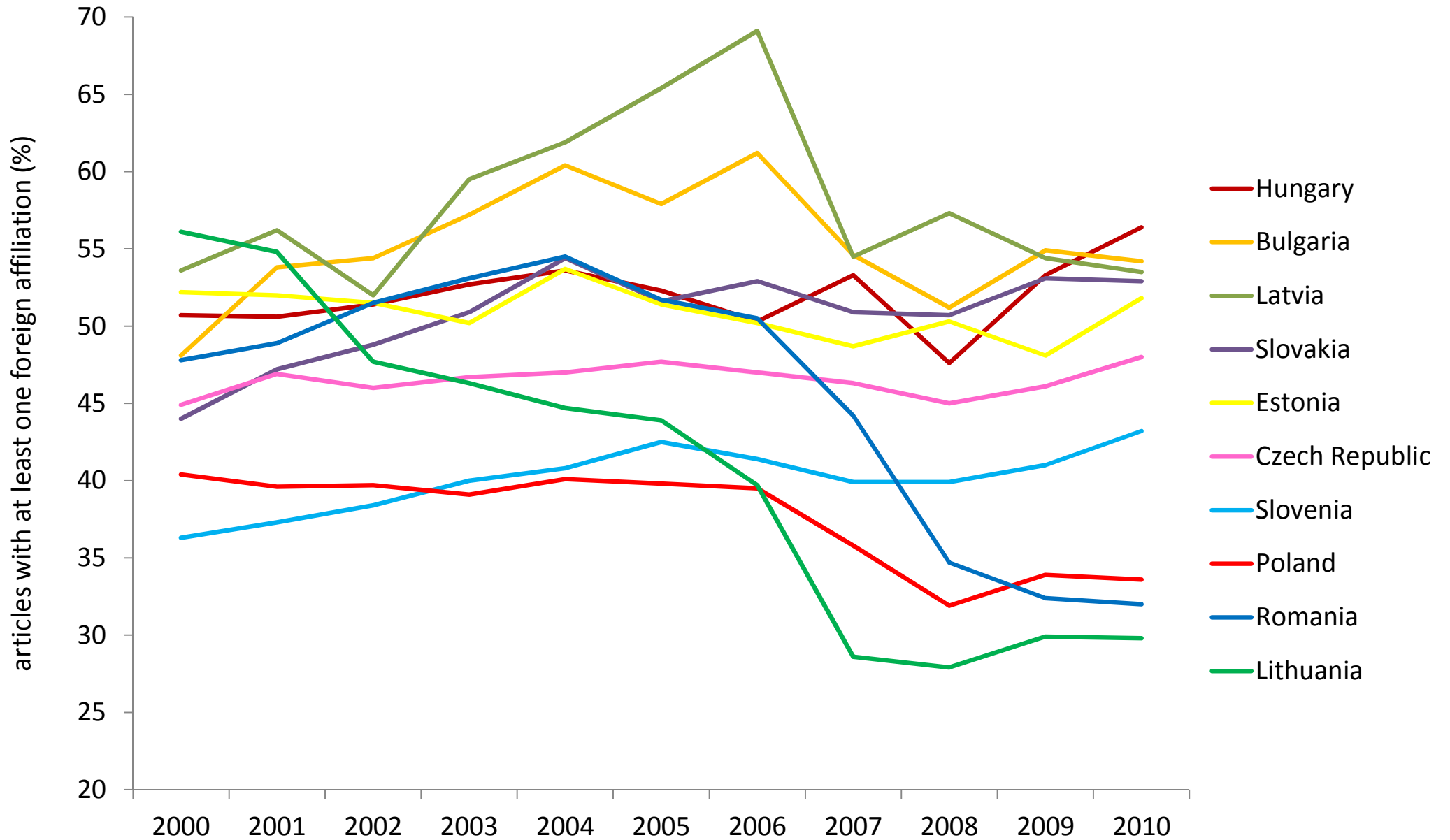
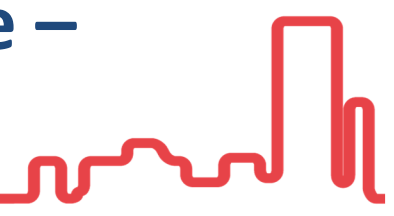
Productivity and impact of in NUTS 2 regions of CEE countries; 2000



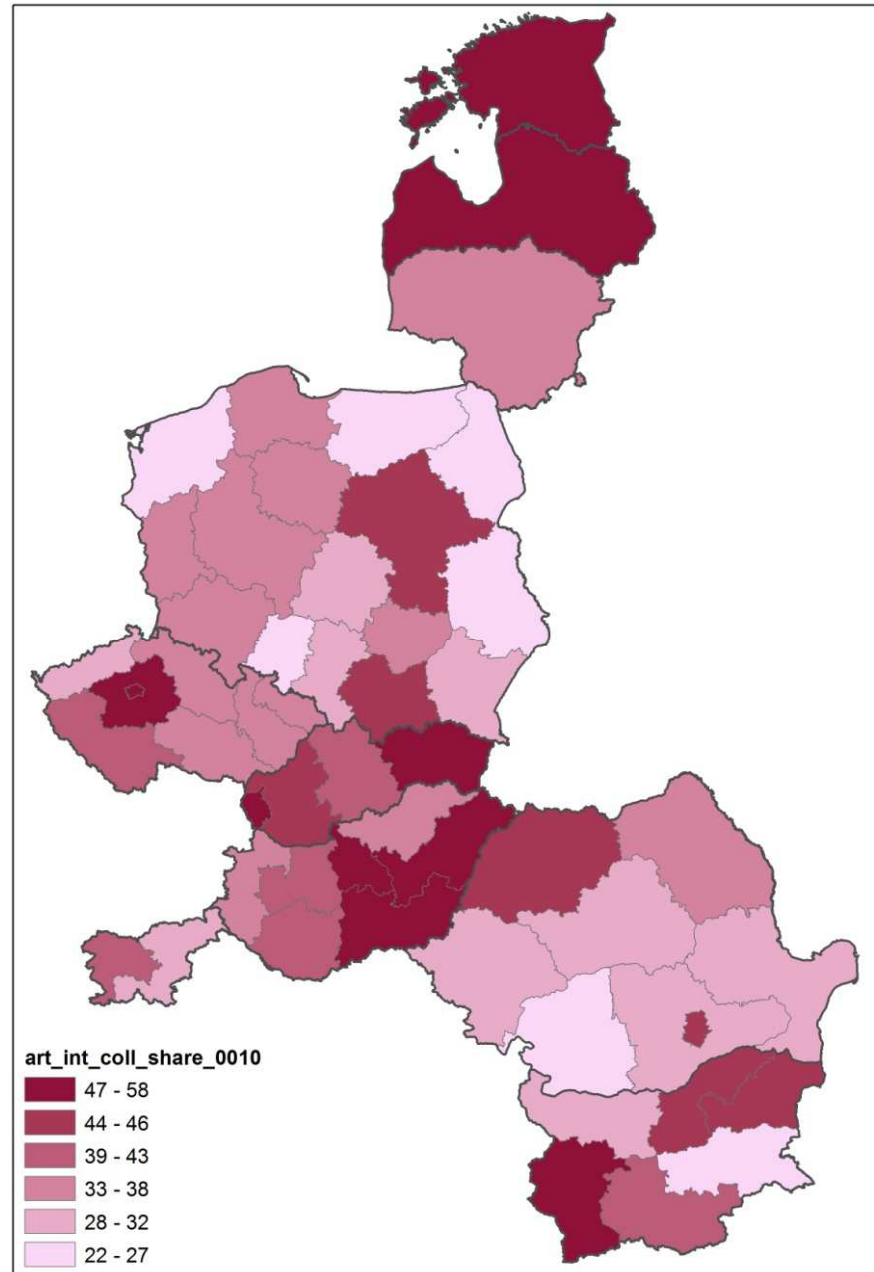
The scale of international collaboration in science – performance and dynamic; 2000-2010



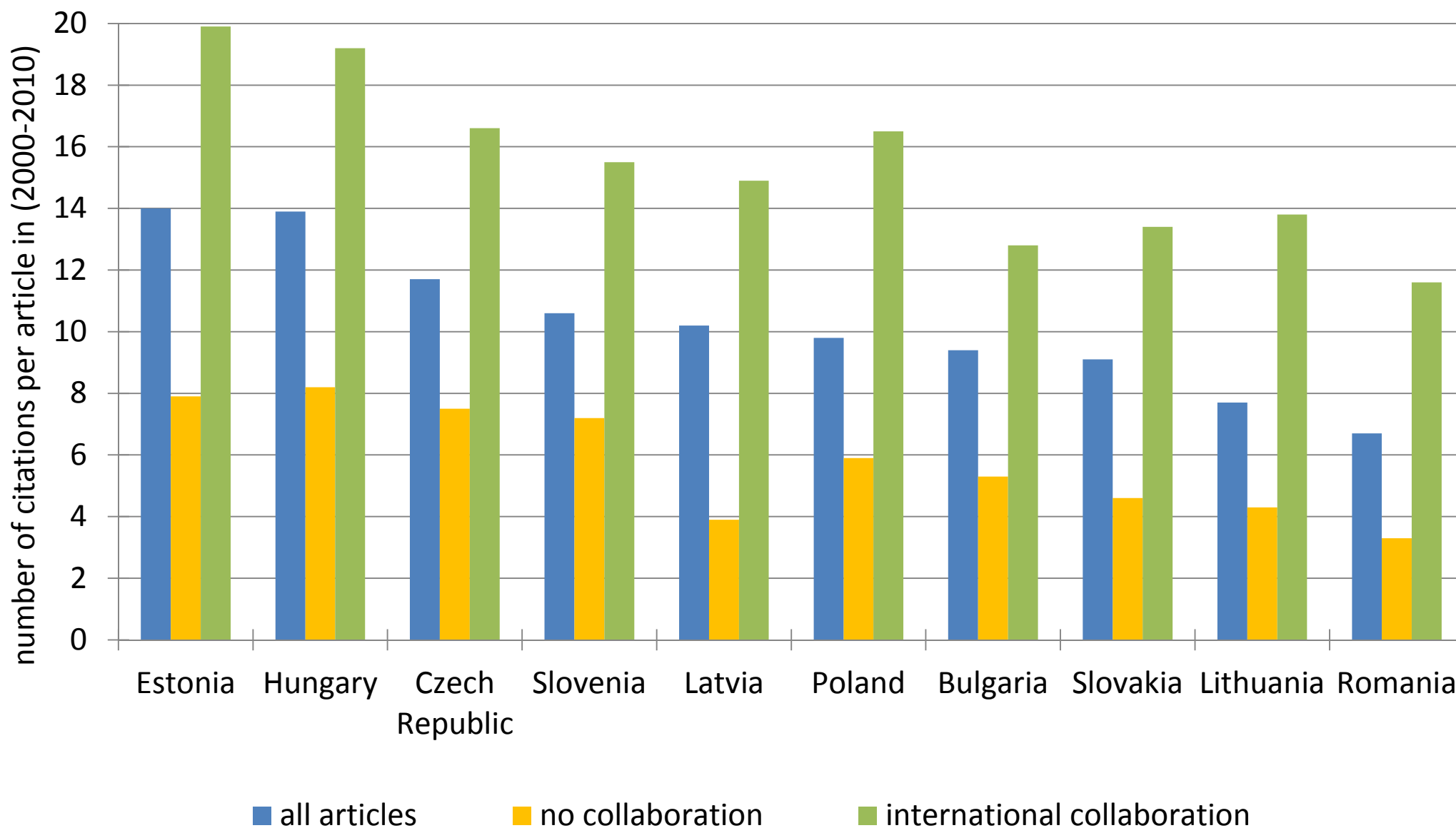
The scale of international collaboration in science – trends; 2000-2010



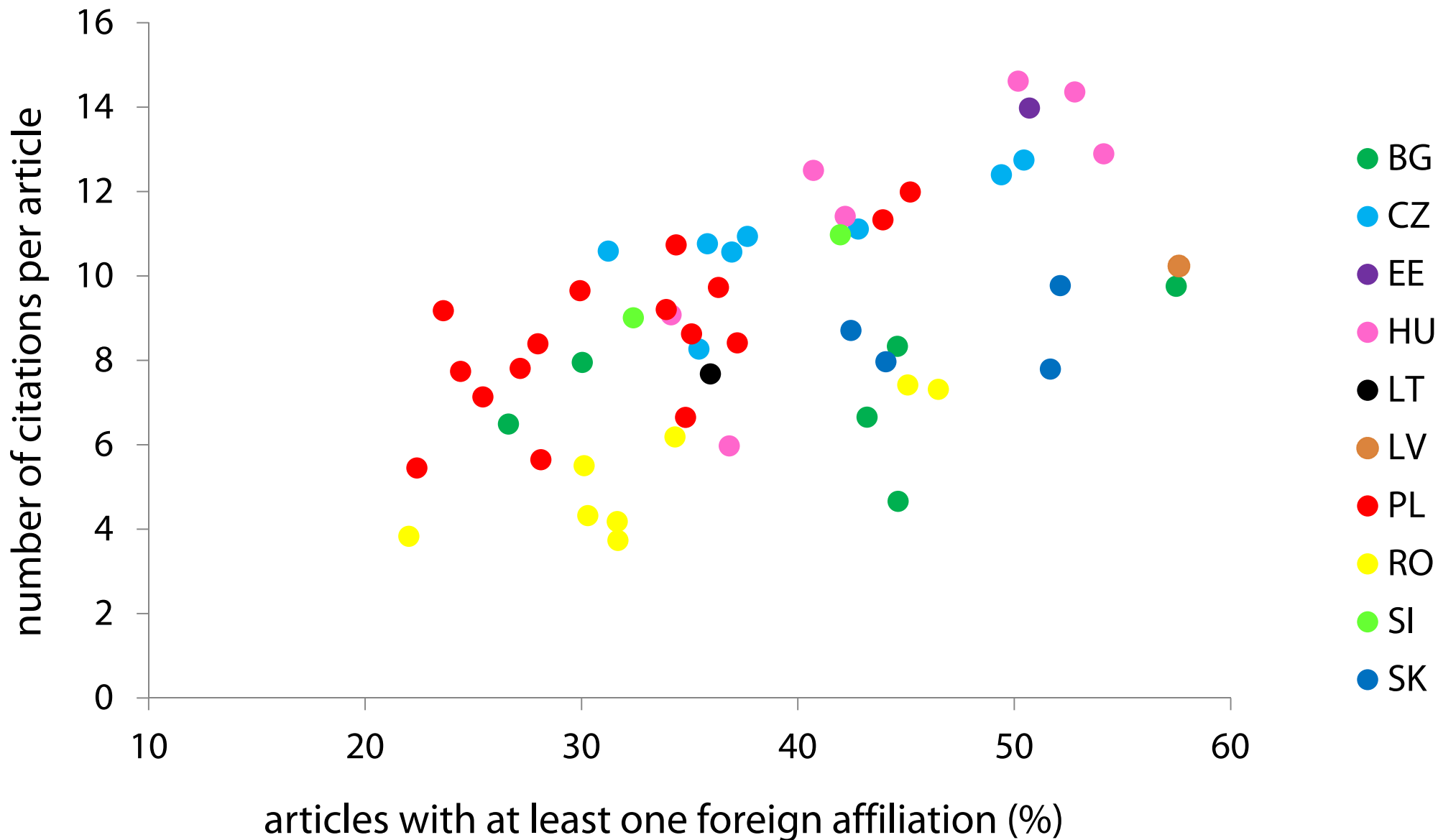
The scale of international collaboration in science in NUTS 2 regions of CEE countries; 2000-2010



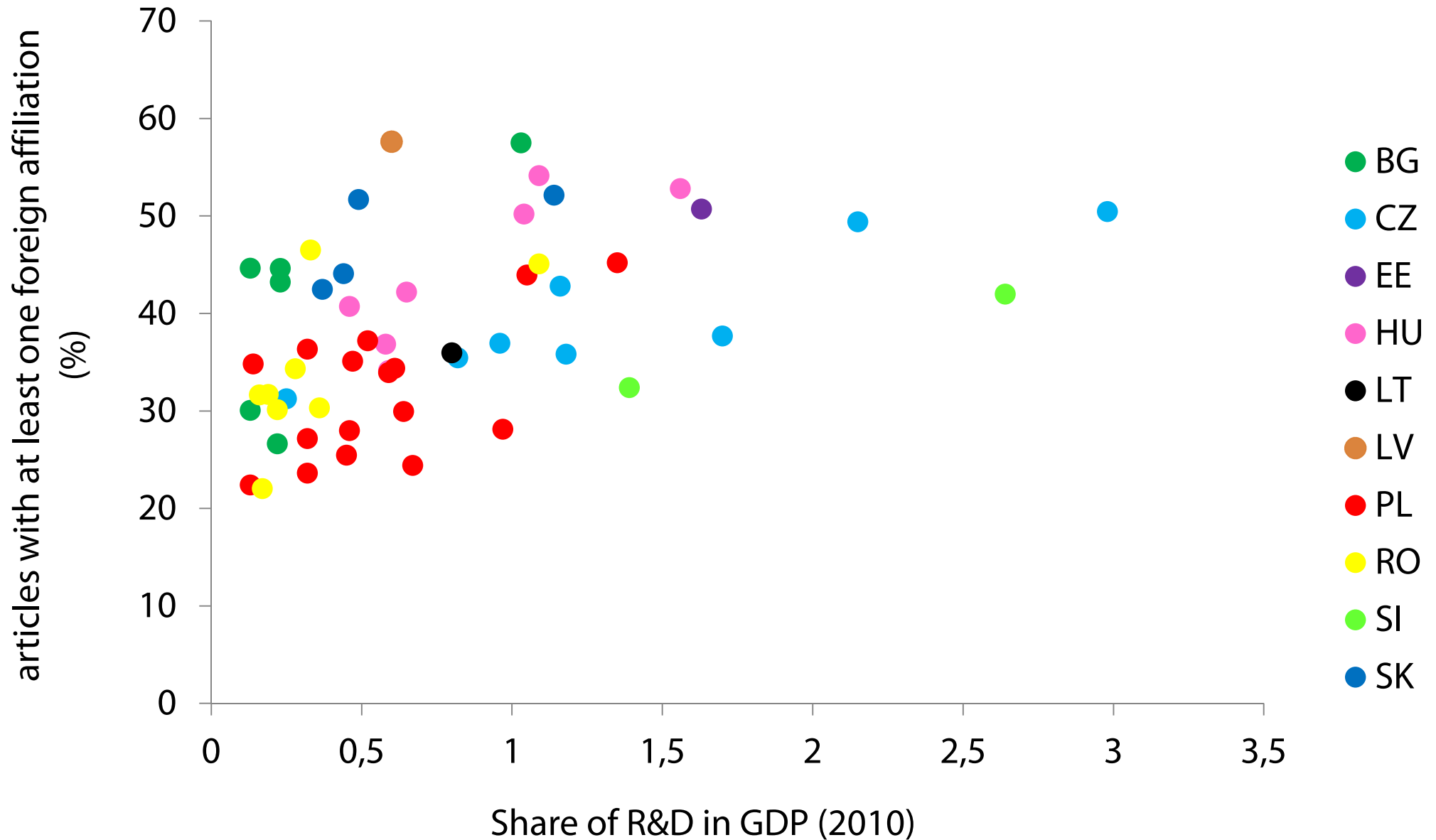
Significance of international collaboration in science in CEE countries; 2000-2010



Significance of international collaboration in science in NUTS 2 regions of CEE countries; 2000-2010



R&D expenditure vs. International cooperation; 2000-2010



Further steps



1. Hypothesis to test:

International collaboration has an influence on publication output.

Dimensions/control variables:

- research areas (156) and web of science categories (249) as defined in the WoS database
- language of publications
- journal publisher country

2. Repeat the study by Tamás Sebestyén & Attila Varga presented in the paper *Research productivity and the quality of interregional knowledge networks but using publication database*. It will be the value added of the projects as the study based on publication data could give different results than those based on patent and framework projects.