

# The European Commission's science and knowledge service

## Joint Research Centre



# Intangible Investment: The territorial Perspective

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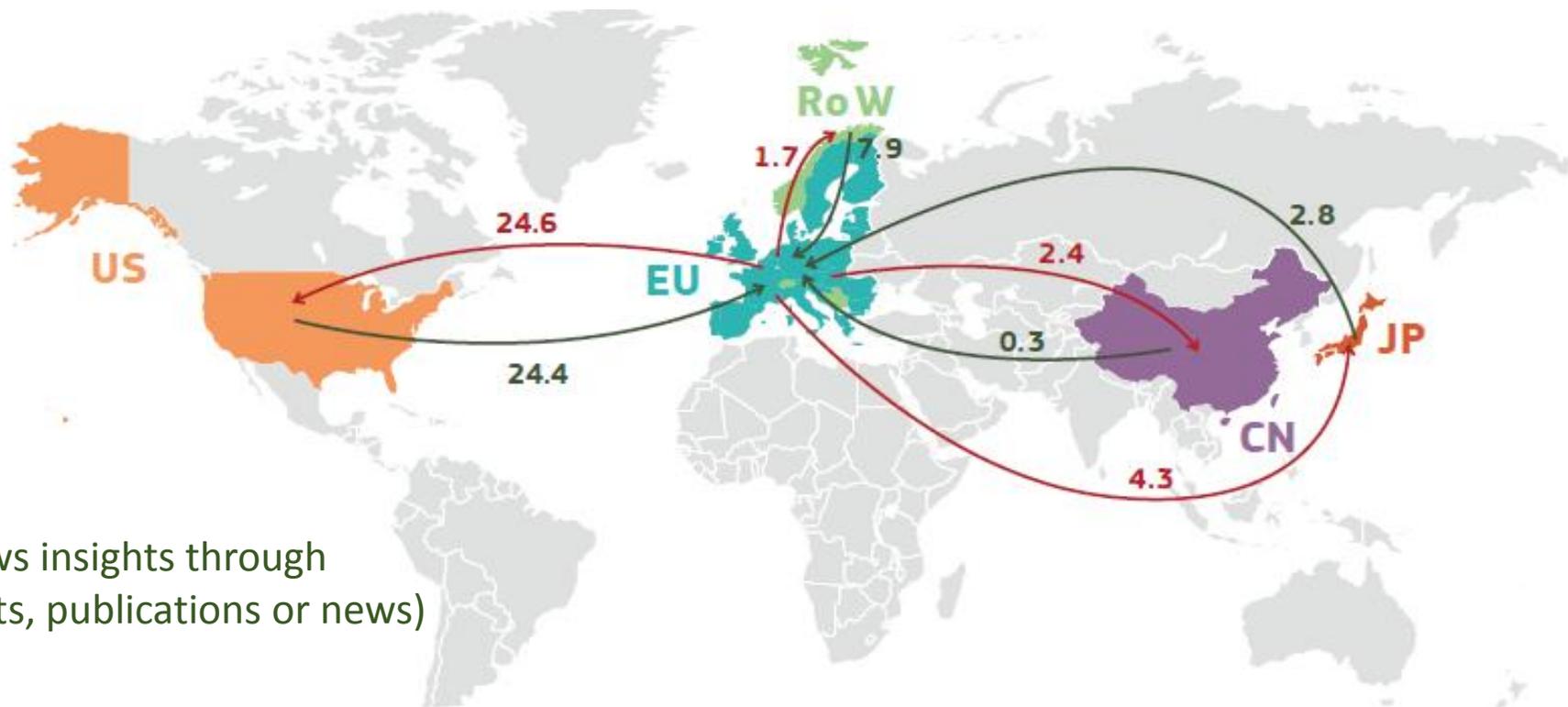
# Globalization of innovation activities: challenges and opportunities for the EU

**Key role of JRC in providing new evidence on international knowledge flows and technological development**



Scientometric techniques provide new insights through micro-level analyses (e.g. using patents, publications or news)

R&D investment flows across main economic areas (billion €)



*Source: patent analysis of top R&D investors worldwide (accounting for about 90% of the global R&D investments)*

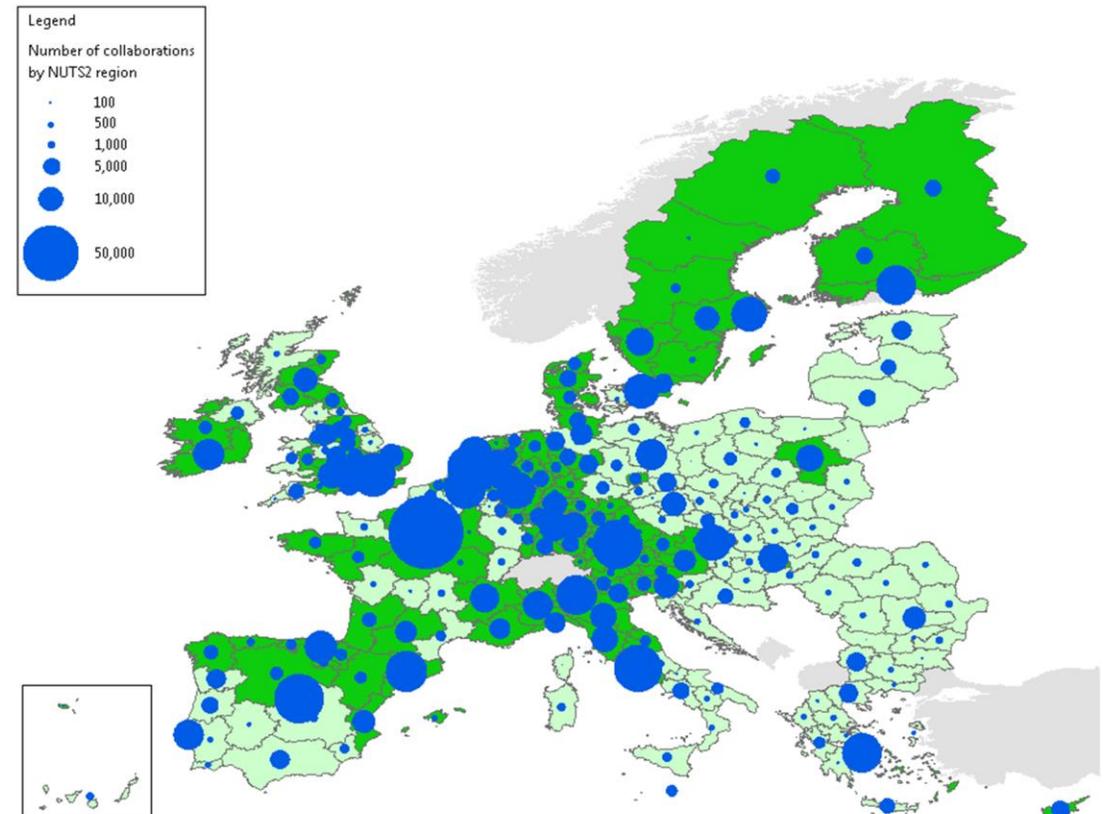
# European R&D networks: A snapshot from the 7th EU Framework Programme

We investigate the effects of geographical, institutional, social, technological, and human capital proximity on the intensity of inter-regional research collaboration across heterogeneous European pairs of regions.

Main results:

- All the distances considered (geographical, economic, technological, social and human capital) matter.
- Regions collaborate more among them if they are similar: high degree of persistency over time in cooperations among close and similar regions.
- The impact of human capital and technological distance on regional R&D cooperation differs across subgroups of collaborations.
- Despite the efforts of integrating marginal actors, the participation of a peripheral region generally hinders the collaboration intensity
- A clear policy implication emerging from our analysis is the need to strengthen the technological capabilities, improve and cultivate a cross-border/cross-cultural cooperative environment.

**Distribution of R&D collaboration intensity across European regions (2007-2013, more developed regions are in dark green)**



# Intangible Investment: The territorial Perspective

- Jesús Peiró-Palomino  
Assistant professor at the Department of Economics of University Jaume I (Castelló de la Plana, Spain)  
"European regional convergence revisited: the role of intangible assets"
- Gaetan de Rassenfosse  
Assistant Professor Tenure Track in Science & Technology Policy at EPFL (Lausanne, Switzerland)  
"An assessment of how well we account for intangibles"
- Beñat Bilbao Osorio  
Senior economist at the European Commission's Directorate-General for Research and Innovation (Brussels)  
"Unlocking investment in intangible assets in Europe"