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Conferencia de Koen Jonkers

**An analysis of the publication behaviour of
Marie Skłodowska Curie fellows**

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An analysis of the publication behaviour of Marie Sklodowska Curie fellows

**Koen Jonkers, Peter Fako, Thomas Zacharewicz, Ulf Sandstrom, Peter
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The Marie Sklodowska Curie Action (MSCA) fellowship scheme is part of the European framework programmes. It aims to promote scientific excellence, mobility and research collaboration in the European Research Area. It also aims to widen capacity development throughout the EU in Member States with different levels of scientific development. This report analyses the mobility, publication and international co-publication behaviour of a group of European researchers that have taken part in the MSCA Fellowship schemes. It compares researchers from two groups of countries before and after being granted the fellowship. The first group of countries (FPIC) is relatively successful in attracting FP funding, has a relatively high average impact and is on balance a greater recipient than sender of MSCA fellows. The second group of countries (ESIFIC) presents a lower Framework Programme funding intensity but the Funding intensity of the European Structural and Investment funds is higher. This group of countries sends out more MSCA fellows than it hosts. Roughly ESIFIC corresponds with Central Eastern and Southern European Countries, whereas FPIC corresponds to North Western European countries. The analysis finds that successful applicants from the ESIFIC countries perform significantly below the applicants from FPIC countries at the time of selection on the impact of their research, measured as the sum of the citation impact of their publications per year. Post grant publication performance is correlated especially to pre-grant performance. In terms of international co-publication behaviour one observes a general increase across the board. Post grant international co-publication behaviour is most strongly associated with pre-grant international co-publications. It is thus the "internationally well connected" researchers who continue being the most active collaborators also after the grant. The potential for robust evaluations, either in the form of counterfactual analyses or randomised controlled experiments should be taken into account at the planning and implementation phase of the Framework Programmes.

Koen Jonkers



Dr ir Koen Jonkers holds a PhD from the European University Institute and master degrees in both engineering and the social sciences. He has made close to 40 publications including in leading journals on R&I and migration related policy issues. Prior to joining the European Commission, Koen was a Ramon y Cajal Fellow at the CSIC Institute for Public Goods and Policies in Madrid.

At present, he is Deputy Head of Unit of the European Commission's Joint Research Centre's Knowledge for Finance, Innovation and Growth Unit. This is the knowledge management unit for one of the Directorates of DG JRC. In this directorate the focus lies on socio-economic research to support the work of a range of Policy DGs, including EAC, RTD, EMPL, GROW and CNECT. The unit is responsible for the Research and Innovation Observatory <https://rio.jrc.ec.europa.eu/>.

Selected recent publications include:

- Jonkers, K., Sachwald, F., (forthcoming) The Dual impact of excellent science, Science and Public Policy
- Rissola, G., Hervas, F., Slavcheva M., Jonkers K., 2017, Placed Based Innovation Ecosystems: Espoo innovation garden and Aalto university, *JRC Science and Policy Report*
- Zacharewicz. T., Sanz Menendez, L., Jonkers, K., 2017, The internationalisation of research and technology organisations, *JRC Science for Policy Report*
- Jonkers, K., Zachaewicz, T., 2016, Research Performance Based Funding systems – a comparative assessment. *JRC Science for Policy Report*
- Gampfer, R., Mitchell, J., Stamenov, B., Zifciakova, J., Jonkers, K., 2016, Improving Access to Finance, Which Schemes best support the emergence of high growth innovative Enterprises, *JRC Science for Policy Report*
- Jonkers, K., Cruz Castro, L., 2013, Research upon return: The effect of international mobility on scientific ties, production and impact, *Research Policy*
- Jonkers, K., 2011, A functionalist framework to compare research systems applied to an analysis of the transformation of the Chinese research system , *Research Policy*
- Jonkers, K., 2010, Mobility, Migration and the Chinese Scientific Research System, Routledge.
- Jonkers, K., Tijssen, R., 2008. Chinese researchers returning home: Impacts of international mobility on research collaboration and scientific productivity, *Scientometrics*.