



MEMBRE DU COS DE L'OST

PETER VAN DEN BESSELAAR

Professor

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Peter van den Besselaar is currently a professor of organization science at the Vrije Universiteit Amsterdam, Faculty of Social Sciences and the Network Institute. He specializes in science policy studies, and his research focuses on organizing, funding and evaluation of research. Recent research topics are: (i) Developing and testing methods and indicators for measuring the scholarly, societal and economic impact of science. In this context, he contributed to the development of indicators for the evaluation of Framework Program FP9. (ii) Various aspects of gender bias in the science systems, e.g., in grant allocation decisions. (iii) Mapping the structure and dynamics of science, and the role of interdisciplinarity. (iv) The development of advanced e-infrastructures for (big open) data integration and enrichment (the SMS platform – sms.risis.eu). (v) Before moving into science policy studies, his research did focus on organizational and social computing.

Currently, he is one of the partners in the H2020 funded GRANteD project (with CSIC, DZHW, Joanneum Research, Orebro university, and Teresa Mom consultancy). Over the years he acted as management consultant and policy advisor in various environments.

Over the years, Peter van den Besselaar published more than articles, chapters, and reports.

Previously, he was among others research director and head of the Science System Assessment department Rathenau Instituut/KNAW (2005-2010); professor of communication studies, University of Amsterdam (2004-2009), director of the Netherlands Social Science Data Archive (2002-2005), and associate professor of social informatics at the University of Amsterdam (1995-2001).

He holds a PhD from the faculty of psychology of the Universiteit van Amsterdam, a MA Philosophy (cum laude), Universiteit van Amsterdam, and a BSc Mathematics, Universiteit Utrecht.

Autres responsabilités exercées

- Scientific Advisory Board of the *Deutsches Zentrum für Hochschul und Wissenschaftsforschung* (DZHW, Hannover),
- Evaluation Advisory Board of the *Alexander von Humboldt Stiftung* (Bonn),
- *European Commission's RTD evaluation network*
- Science committee of the Faculty of Social Sciences, *Free University Amsterdam*
- Ethical review board of the Faculty of Social Sciences, *Free University Amsterdam*

Missions d'évaluation réalisées

Peter van den Besselaar has been involved in several evaluation exercises of research organizations such as the Research Council of Lithuania, University of Örebro, Statistics Netherlands, and of funding programs.

Principales publications

- **Van den Besselaar P., Sandström U.** (2019) Measuring researcher independence using bibliometric data: A proposal for a new performance indicator. *PLoS ONE* **14(3)**: e0202712.
- **Sandström U., van den Besselaar P.** (2018) Funding, evaluation, and the performance of national research systems. *Journal of Informetrics* **12**, 365-384
- **Van den Besselaar P., Sandström U., Schiffbaenker H.** (2018), Using linguistic analysis of peer review reports to study panel processes. *Scientometrics* **117**, 313-329
- **Van den Besselaar P., Heyman U., Sandström U.** (2017) Perverse effects of output-based research funding? Butler's Australian case revisited, *Journal of Informetrics* **11**, 905-918
- **Van den Besselaar P., Sandström U.** (2017) Vicious circles of gender bias, lower positions and lower impact: gender differences in scholarly productivity and impact. *PlosOne* **12**, 8: e0183301.
- **Wen B., Horlings E., van der Zouwen M., van den Besselaar P.** (2017) Mapping science through bibliometric triangulation: an experimental approach applied to water research, *Journal of the American Association of Information Science and Technology* **68**, 3, pp724-738
- **Sandström U., van den Besselaar P.** (2016) Quantity and/or Quality? The Importance of Publishing Many Papers. *PLoS ONE* **11(11)**: e0166149.
- **Van den Besselaar P., Sandström U.** (2016) Gender differences in research performance and in academic careers. *Scientometrics* **106**, 143-162
- **Van den Besselaar P., Sandström U.** (2015) Early career grants, performance and careers; a study of predictive validity in grant decisions. *Journal of Informetrics* **9** 826-838
- **Van der Weijden I., Belder R., Van Arensbergen P., van den Besselaar P.** (2015) How do young tenured professors benefit from a mentor? Effects on management, motivation and performance. *Higher Education* **69**, 275-287.
- **Verbree M., Horlings E., Groenewegen P., Van der Weijden I., van den Besselaar P.** (2015) Organizational factors influencing scholarly performance: a multivariate study of biomedical research groups, *Scientometrics* **102**, 25-49
- **Van Arensbergen P., van der Weijden I., van den Besselaar P.** (2014) Different views on scholarly talent—what are the talents we are looking for in science? *Research Evaluation* **23**, 273-284.