

DELIVERABLE

4th consultation with policymakers on “Big data and Policy Making”

Summary

This deliverable reports on the consultation held with policymakers on “Big data” and Policy Making” focusing on the final data outcome from the BIGPROD project. The report contains access to the data shared, webinar recording, webinar presentation and the most important findings from the Q&A session.

Deliverable Information

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4th consultation with experts – policy focus

The purpose of this report is to summarize a fourth consultation conducted with experts. The fourth consultation with experts was designed to show the outcome in the sense of novel data created and the scientific publication written to describe the data. The consultation was divided into two separate sessions experts overall and then with a policy focus, which are reported at separate deliverables. However, the consortium planned two identical sessions that included an introduction, webinar presentation and a Q&A session. In the design of the events, invitations were sent so that the Q&A session would be focused on either an overall or a policy-oriented discussion.

The list invitees focusing on the overall view included experts mostly from the scientific community. These included Caroline Paunov (OECD), Orlagh Lavelle (OECD), Gaétan de Rassenfosse (EPFL), Jan Einhoff (OECD), Juan Mateos (NESTA), René Belderbos (KUL), Peter Voigt (ECFIN), Mauro Vigani (ECFIN) and Janna Axenbeck (ZEW). The invitees were invited and a Doodle was arranged to find an appropriate time. To ensure maximum attendance experts were allowed to join the policy focused group if their schedule did not allow them to join the session more aligned with their expertise. The participants were also allowed to invite colleagues.

The session was held on Friday 19 November 2021 from 3:00 PM to 4:00 PM. The session was done using Microsoft Teams. The session was joined by Arho Suominen (VTT), Ad Notten (MERIT), Scott Cunningham (STRATH), Sajad Ashouri (VTT), Fabiana Visentin (MERIT), Lukas Pukelis (PPMI), Arash Hajikhani (VTT), Mika Naumanen (VTT), Asta Bäck (VTT), Patrick Breithaupt (ZEW), Luca Mora (Edinburgh Napier University), Jan Einhoff (STI/STP), LAVELLE Orlagh, STI/STP, Gaétan de Rassenfosse (EPFL), Mauro Vigani (ECFIN), and Rene Belderbos (KU). Due to allowing forwarding the invitation to colleagues, the number of participants exceeded the number expected.

The session was designed so that the participants were sent the scientific publication¹ and the data² created. The session began with introduction of the project, a webinar presentation and a Q&A session. The outcome from the session was a webinar presentation³ and recording⁴ shared publicly. In addition the project team was given a transcript of the Q&A session. The material was shared using the Microsoft Teams working space, as seen in Figure 1.

¹ [Scientific publication available at SSRN](#)

² [Data available at Dataverse](#)

³ [Presentation available at the project website](#)

⁴ [Webinar recording available at the project website](#)

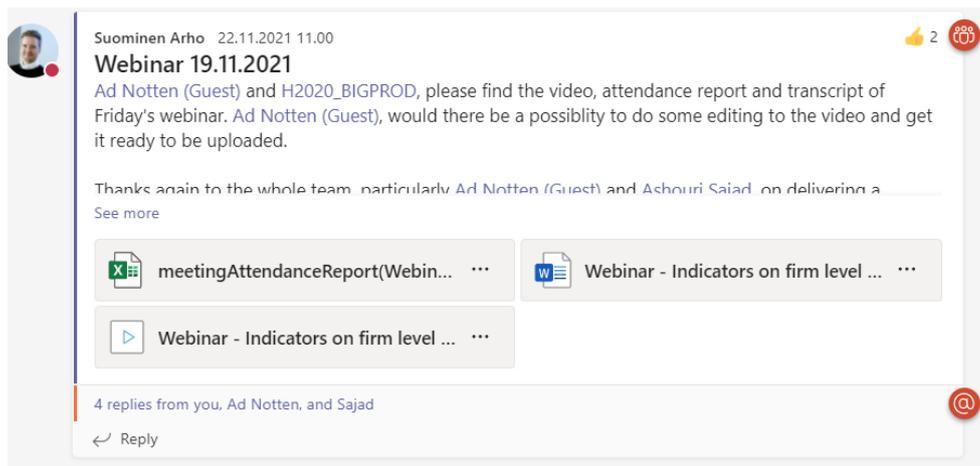


Figure 1 Webinar attendance list and transcript of findings from the session shared with the consortium.

The main outcomes from the consultation included important insights to shape the final leg of the project. Mauro Vigani asked how we are able to intergrate our data to existing data source. Mauro Vigani in particular highlighted linkages to for example Orbis, which would be essential to take advantage of the data. Patrick Breithaupt also commented on the development of digitalization and servitization scores, which could be important for policy relevant outcomes.

As the session was also joined by more academic experts, the transcript also highlighted overall comments. The main highlights from the overall conclusion focused on data validity. For example Rene Belderbos asked if the project is able to "...scrape everything correctly, the content on their websites might be very heterogeneous across firms.". Luca Mora also asked on the underlying patterns in the data, for example if "there are differences within the population and we know that, for example, large corporations can have much more data startups or small companies have less data, there are geographical implications because we know that, for example, technology penetration can be different compared to different countries.". These important highlights again show the importance of validating the data, but also that the project should focus the remaining pilots not so much on the different industry types, but interesting patterns in the data, such as collaborative patterns." The importance of looking at patterns in data was also highlighted by other participants e.g., Patrick Breithaupt.

Actions to the project from the consultation focuses on making sure that the pilots focus on the underlying patterns from the data and making sure that we can discuss the validity of the data.

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About BIGPROD

BIFPROD is a research project focusing on Big Data based analysis of productivity using webscraped data. This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 870822.

The project partners in the project are Quantitative Science and Technology Studies team, Foresight-driven Business Strategies, 1) VTT Technical Research Centre of Finland, Competence Center Innovation and Knowledge Economy (Coordinator), 2) Fraunhofer ISI, Economics of Knowledge and Innovation team, 3) UNU-MERIT, Maastricht University, 4) Public Policy and Management Institute, 5) Economics of Technology and Innovations, Faculty of Technology, Policy and Management, 6) Delft University of Technology, Economics of Technology and Innovations, 7) Faculty of Technology, Policy and Management, Delft University of Technology



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