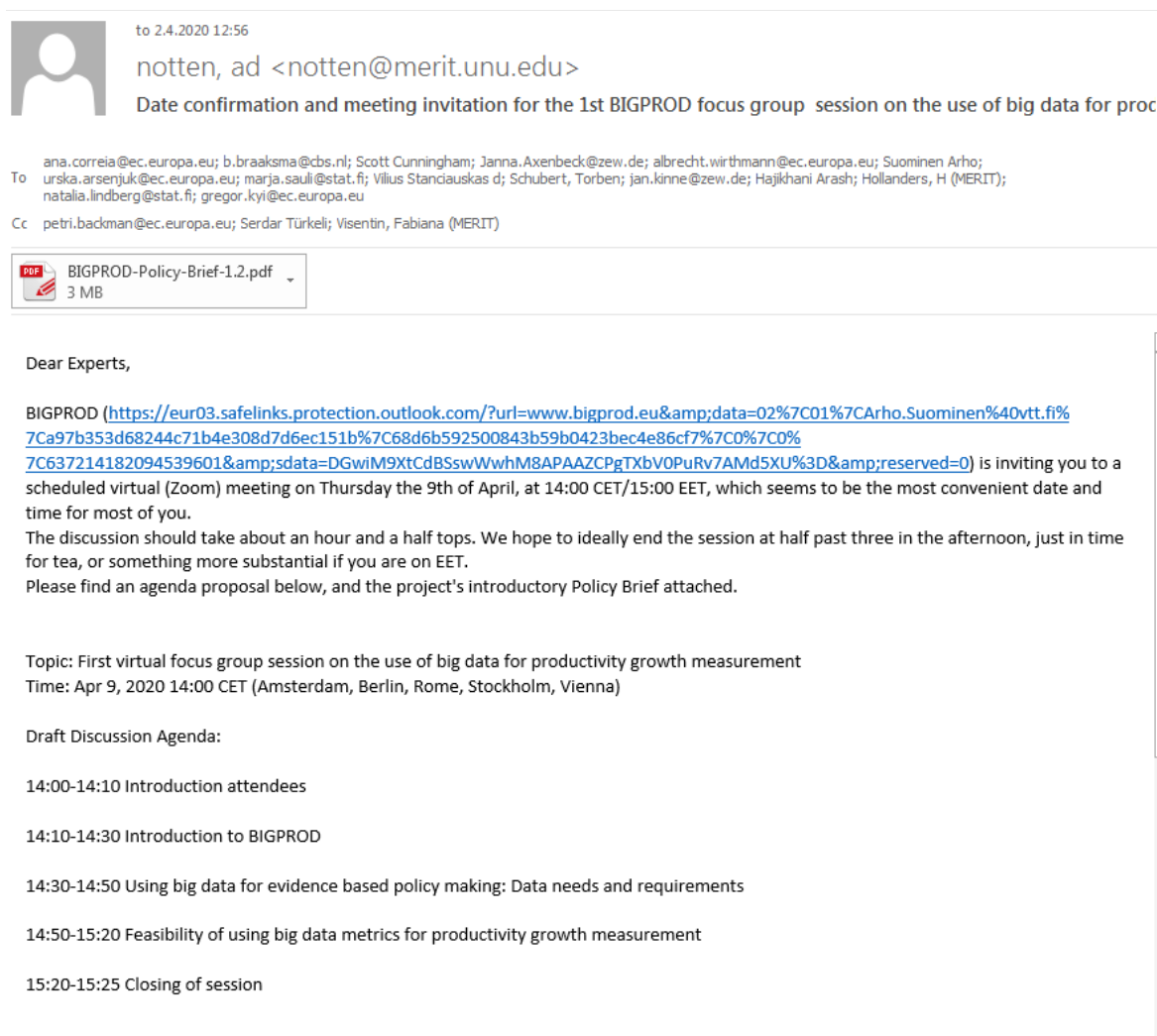



D16. 1st consultation with statistical experts on “Big data” and Policy Making

The first consultation with statistical experts was designed to evaluate and scope the BIGPROD workflow and possible adjustments the consortium could do to better respond to policy needs. Figure 1 shows the invitation sent to the workshop. Original invitees were Ana Correia, Petri Backman, Barteld Braaksma, Scott Cunningham, Janna Axenbeck, Albrecht Wirthmann, Arho Suominen, Urska Arsenjuk, Marja Sauli, Vilius Stanciauskas, Torben Schubert, Jan Kinne, Arash Hajikani, Hugo Hollanders, Natalia Lindberg, Serdar Türkeli, Fabiana Visentin and Gregor Kyi.




to 2.4.2020 12:56

 notten, ad <notten@merit.unu.edu>

Date confirmation and meeting invitation for the 1st BIGPROD focus group session on the use of big data for proc

To ana.correia@ec.europa.eu; b.braaksma@cbs.nl; Scott Cunningham; Janna.Axenbeck@zew.de; albrecht.wirthmann@ec.europa.eu; Suominen Arho; urska.arsenjuk@ec.europa.eu; marja.sauli@stat.fi; Vilius Stanciauskas d; Schubert, Torben; jan.kinne@zew.de; Hajikani Arash; Hollanders, H (MERIT); natalia.lindberg@stat.fi; gregor.kyi@ec.europa.eu

Cc petri.backman@ec.europa.eu; Serdar Türkeli; Visentin, Fabiana (MERIT)

 BIGPROD-Policy-Brief-1.2.pdf
3 MB

Dear Experts,

BIGPROD (<https://eur03.safelinks.protection.outlook.com/?url=www.bigprod.eu&data=02%7C01%7CArho.Suominen%40vtt.fi%7Ca97b353d68244c71b4e308d7d6ec151b%7C68d6b592500843b59b0423bec4e86cf7%7C0%7C0%7C637214182094539601&data=DGwiM9XtCdBSswWwhM8APAAZCPgTXbv0PuRv7AMd5XU%3D&reserved=0>) is inviting you to a scheduled virtual (Zoom) meeting on Thursday the 9th of April, at 14:00 CET/15:00 EET, which seems to be the most convenient date and time for most of you.

The discussion should take about an hour and a half tops. We hope to ideally end the session at half past three in the afternoon, just in time for tea, or something more substantial if you are on EET.

Please find an agenda proposal below, and the project's introductory Policy Brief attached.

Topic: First virtual focus group session on the use of big data for productivity growth measurement
Time: Apr 9, 2020 14:00 CET (Amsterdam, Berlin, Rome, Stockholm, Vienna)

Draft Discussion Agenda:

- 14:00-14:10 Introduction attendees
- 14:10-14:30 Introduction to BIGPROD
- 14:30-14:50 Using big data for evidence based policy making: Data needs and requirements
- 14:50-15:20 Feasibility of using big data metrics for productivity growth measurement
- 15:20-15:25 Closing of session

Figure 1 Invitation to the workshop

The workshop was held on April 9 2020 from 14.00 to 15.25 as a online workshop. The invitation to the workshop was accepted by Barteld Braaksma, Janna Axenbeck, Marja Sauli, Jan Kinne, and Natalia Lindberg. The consortium was represented by Arho Suominen, Ad Notten, Scott Cunningham, Torben Schubert, Serdar Türkeli and Hugo Hollanders.

Below slides include the main content of the workshop. The workshop started with a brief introduction to the project followed by the consultation part. The workshop was recorded, enabling further analysis by the whole consortium.

WHAT IS BIGPROD

Addressing the productivity paradox

The objective of the project is

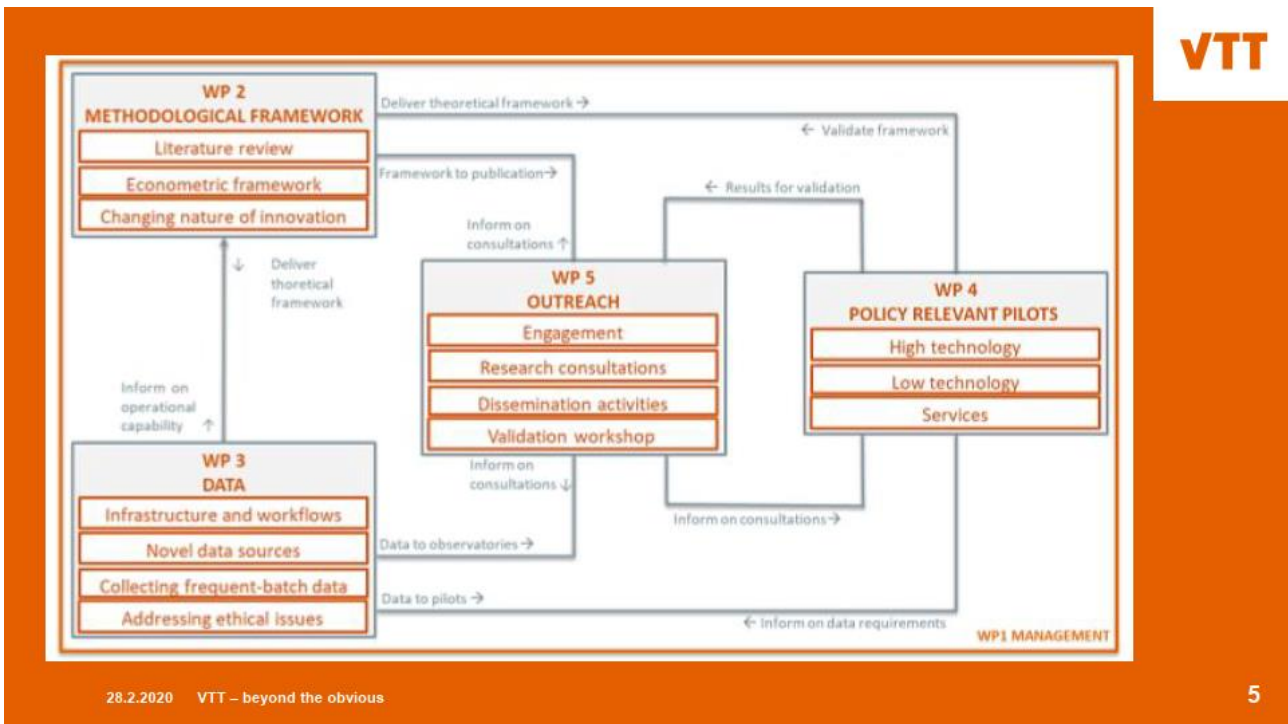
1. to extend existing econometric approaches on productivity with a theoretically sound “Big data” measures that can be operationalized and validated through pilots.
2. To have deep stakeholder consultation mitigating the skills gap, creating transparency, enabling stakeholder influence in sources and tools and enabling policy makers being informed on tools and pilots.

Objectives

1. Management and coordination for utilizing “Big data” for innovation and productivity assessment
2. Creating an extended econometric framework for the evaluation of the productivity-innovation link based on “Big data”
3. Building a large-scale data platform and framework which will yield frequent batch data on company performance and innovation activities
4. Create policy-relevant pilots that measure the impact of proposed changes, while enabling policymakers being informed on tools developed and piloted.
5. Utilizing the most effective tools available to effect stakeholder engagement and co-creation, while simultaneously ensuring the dissemination of the knowledge gained in this process to the wider public.

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4



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5

Outcomes

The consortium will

1. Provide a theoretical framework and methodology with a detailed description of the indicators, parameters and weights and how they interact together.
2. Methodologies will be made available for free as it will be used for dissemination to teach how the system works and to explain the underlying philosophy. Python programming language notebooks with the basic calculations will also be provided.
3. Implementation of a methodology to gather, store and make an accessible novel variable for public policy productivity analysis.

WHY IS BIGPROD IMPORTANT



Brussels, 26.2.2020
COM(2020) 150 final

**COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN
PARLIAMENT, THE EUROPEAN COUNCIL, THE COUNCIL, THE EUROPEAN
CENTRAL BANK AND THE EUROGROUP**

**2020 European Semester: Assessment of progress on structural reforms, prevention and
correction of macroeconomic imbalances, and results of in-depth reviews under
Regulation (EU) No 1176(2011)**

[SWD(2020) 500-527 final]

**“Productivity growth remains a
challenge, even more so in the
light of demographic
change...”**

**...There are multiple causes for
this weak performance...**

**...Policies to foster productivity
need to be tailored to national
circumstances...”**

WHO IS BIGPROD



Consortium members

Role	Name	Country
Coordinator	VTT Technical Research Centre of Finland (VTT)	FI
Partner	Fraunhofer Institute for Systems and Innovation Research (ISI)	DE
Partner	Public Policy and Management Institute	LT
Partner	Maastricht University - Maastricht Economic and Social Research Institute on Innovation and Technology	NL
Partner	Technische Universiteit Delft	NL
Partner	University of Strathclyde	UK

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10



Using big data for evidence based policy making: Inventorizing needs and requirements

- What are your experiences with previous projects using big data?
- What are your expectations when talking about using big data for evidence-based policy making?
- What are your specific expectations if we focus on the use of big data for productivity measurement?
- What are your specific requirements for such data and the resulting metrics (beyond reliability and timeliness)?

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11

Big data metrics for productivity growth measurement

- BIGPROD's preliminary focus is on company websites and business reports. What are your thoughts on these sources?
- In terms of productivity measurement BIGPROD thinks the highest gains could be made by researching intangible assets. Do you agree?
- Which big data sources are in your opinion the most promising?
- Which metrics would you think would:
 - Be the most urgently wanted?
 - Be the easiest to gather and implement?