

**TECHNICAL REPORT (PART B)****COVER PAGE**

Part B of the Technical Report must be downloaded from the Portal Technical Report (Part B)/Termination Report screen, completed and then assembled and re-uploaded as PDF on that screen.

PROJECT	
Project number:	101101853
Project name:	Enhancing the Micro Foundation of the Research Output of National Productivity Board (NPBs). Using CompNet and expanding its Micro Data Infrastructure (MDI)
Project acronym:	MULTIMSPROD

REPORTING PERIOD	
⚠ Please note that you must report on the entire reporting period.	
RP number:	[1] [2] [3] [4] [...] [Final]
Duration:	from [12/10/2022] to [11/10/2023]

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#@PER-REP-TSI@#

#@PRO-GRE-PG@# [This document is tagged. Do not delete the tags; they are needed for the processing.]

## 1. OVERVIEW OF THE PROGRESS


### 1.1 Summary of work performed and achievements, results and impacts

#### Work performed and main achievements

*Short summary of progress towards the project objectives. Highlight significant activities and achievements. Provide clear and measurable details.*

*Analyse the outcome of the project (so far) and its (actual and expected) impact (on target groups, change, innovation etc.), including a description of the European dimension and added value. For the Final Report, include the conclusions of the action.*

*Report on objectives not fully achieved or not on schedule.*

 *Do not simply cut and paste the project summary (filled in online on the Summary for Publication screen). Contrary to the summary, this section is for reporting to the EU and will not be published.*

#### Summary of the work so far:

In the first year of the MULTIMSPROD project, we have made significant progress in terms of both the setting up of MDI infrastructure and tools in participating countries, as well as the research collaborations with various national productivity boards (NPBs).

By November 2023, we are close to finalising the MDI data harmonization in Slovenia, France, and Portugal. In the case of Austria, we have completed the accreditation process of various institutions to which our staff are affiliated, and we will likely obtain access to the micro-data in early 2024. In the case of Slovakia and Latvia, we are continuing our negotiations to obtain access to official Statistical Office data. However, in the meantime, we continue to engage with Slovakia for construction of an alternative MDI and Latvia in the form of collaborative research projects outside the scope of MDI.

We have also facilitated a number of joint research projects among various NPBs as well as between NPBs and CompNet staff. Part of the research analysis done in these joint projects was subsequently made publicly available as deliverable D3.3 CompNet Productivity Report in July 2023.

As we enter the second year of the MULTIMSPROD project, our focus is shifting towards consolidating the MDI setup in various countries and promoting the research applications of the MDI. To this end, we have started engaging the productivity boards to expand the research projects described in the Productivity Report using micro-level MDI data.

#### Main achievements and results:

3.1 We have created a project website which can be accessed via the CompNet website and includes an overview of the project content, information on the project team, data products and training. The news section will provide updates on recent developments. The website can be found here: [CompNet \(comp-net.org\)](https://comp-net.org).

3.2 We prepared and submitted a Data Quality Report which provides a first comparison of CompNet aggregates for the TSI participating countries against “official” statistics of the Structural Business Statistics published by Eurostat (as well as the OECD). The aim of this report is to make transparent the reasons for differences between the CompNet aggregates and official statistics and highlight features of the CompNet data users should be aware of.

3.3 The 1st TSI workshop in Lisbon on 24 February 2023 saw the participation of ..... representatives from across NPBs, NSOs and various central banks. The discussions which took place at the 1st workshop shaped the research agenda for the rest of the year, resulting in several research collaborations among different NPBs as well as between NPBs and the CompNet staff.

3.4 The 2nd TSI workshop in Halle on 23 June 2023 had a total of ..... participants. This workshop offered us a platform to share the findings of ongoing research collaborations as well as present the results of the 2023 Productivity Report. It also gave us the opportunity to explore potential longer-term collaborations using MDI data to replicate the findings of the Productivity Report.

3.5 Replication files for the analyses presented at the 1st and 2nd workshops are accessible to all CompNet users including the productivity boards through our replication package site: [Secretariat-CompNet/Replication-Packages \(github.com\)](https://secretariat-compnet.github.io/Replication-Packages). This site is also directly accessible via a link through our website: [Trainings \(comp-net.org\)](https://comp-net.org/trainings)

3.6 We offered various [training programs](#) in the use of the CompNet database for interested productivity boards and CompNet staff members. The training modules include self-guided courses for beginners, intermediate, and

advanced users to gain expertise in data analysis, and directed program for theme-specific training, and MDI infrastructure training.

3.7 In addition, trainings in the use of the MDI infrastructure are offered in the form of [documentation](#), [reports](#) and guided learning. These will be made available as needed and as National Productivity Boards get access to the confidential microdata in collaboration with their National Statistical Offices.

3.8 We prepared and submitted a Data Access Toolkit which includes data visualizations in the form of a point-and-click tool featuring seven core variables of the CompNet dataset and is available on the [CompNet website](#). Expansion of the visualizations are planned in accordance with user needs. In addition, an easy-to-use dataset is now available called the CompNet reduced dataset. This dataset provides quick access to key CompNet variables (including productivity and employment) in an easy-to-use manner. It is meant as an easy introduction to the more complex CompNet data.

3.9 We finalized and delivered the [CompNet Productivity Report](#) in July 2023, summarizing the findings from joint research projects with various NPBs. The research undertaken for this Report serves as the basis for continuing longer-term collaborations with NPBs, to potentially replicate the findings using cross-country MDI data, once it is readily available.

In addition we provide regular progress reports and meet with the TSI Steering Committee. The Committee was set up to provide oversight and control together with EC-DG-REFORM. Finally, presentations to disseminate the results of the Productivity Report continue. The next one is expected to happen within the context of the EC meeting of the National Productivity Boards.

Target groups have availed themselves of training opportunities and can now easily access the CompNet data. They have been provided with research codes they can easily replicate and expand.

#§PRO-GRE-PG§# #@CON-SOR-CS@#

## 1.2 Consortium set-up

### Participants

Report on changes in the consortium composition (including structural, legal or management changes, if any).

See Technical Report (Part A).

### Consortium cooperation and division of roles (if applicable)

Report on changes in the way the participants work together (Beneficiaries, Affiliated Entities, Associated Partners, etc.).

Insert text

## 1.3 Project teams, staff and experts

### Project teams and staff

Report and explain deviations from Annex 1 of the Grant Agreement regarding the organisation of staff or project teams. Provide CVs of key actors that had to be replaced (if required).

Project staff at the upper management level has experienced no divergence from plans – the relevant CVs stay the same. There have been multiple adjustments in the lower echelons over the course of the project to take into account unforeseen challenges, staff turnover, and evolving needs. Specifically, we were not able to hire a post-doc position after a full campaign involving reviews of dozens of applications and interviews with multiple candidates. After assessment of the situation a decision was made to replace the post doc position with additional Research and Student Assistants. In addition, we decided to develop our own visualizations given difficulties finding a company that could do the work. As a result, the line item “Subcontracting” was folded into personnel costs to cover those efforts. This step was only taken following conversations with DG-REFORM and having obtained approval to do so.

## 1.4 Consortium management and decision-making

### Consortium management and decision-making (if applicable)

Report on important changes in the management or decision-making mechanisms.

Insert text

#§CON-SOR-CS§# #@PRJ-MGT-PM@#

## 1.5 Project management, quality assurance and monitoring and evaluation strategy

### Project management, quality assurance and monitoring and evaluation strategy

Report on changes to the overall project management concept, quality assurance and monitoring and evaluation strategy (if any).

The project goes through regular monitoring controls including, progress reports, accounting reports, as well as meetings of the Steering Committee (SC). The SC was set up to ensure oversight and control by requesting countries and DG-REFORM. The bi-annual workshops offer an opportunity to review progress and engagement with participants. DG-REFORM is a regular participant and has been able to review the output. All outputs are uploaded to the EC Project Management Tool. All output is made available to the requesting countries and is publicly accessible through our TSI website ([Overview \(comp-net.org\)](#)). Upper management meets weekly to evaluate all aspects of the project and make any necessary adjustment to ensure that all goals are on track and will meet timely delivery.

#§PRJ-MGT-PM§# #@RSK-MGT-RM@#

## 1.6 Risk management

### Critical risks and risk management strategy

Report on the state of play concerning the risks and risk mitigation measures (if any).

Some adjustments have been necessary with regards the development of the MDI infrastructure in Slovakia, and Latvia, and to ensure the delivery of training and know how. In the case of Slovakia we have identified alternative datasets we can use to create an MDI like infrastructure that will allow Slovakia to receive all trainings and benefit from the broader MDI infrastructure. In the case of Latvia we have engaged in a specific project that will allow delivery of relevant know-how.

#§RSK-MGT-RM§# #@COM-DIS-VIS-CDV@#

## 1.7 Communication, dissemination and visibility

### Communication, dissemination and visibility of funding

Report on the communication and dissemination activities undertaken (to whom, which format, how many, etc.). Describe how the visibility of EU funding was ensured.

*If you described your project on your website(s) and/or social media accounts, please provide the links.*

Dissemination of the project is in the form of:

1. The main website: [comp-net.org](http://comp-net.org)
2. [Annual Productivity Report](#)
3. Workshops: [2 workshops have been delivered.](#)
4. Conferences and Forums: We have discussed the results and goals of the project in multiple conferences and research venues including:
  - a. [CompNet Annual Conference](#)
  - b. CEPR Data Access Workshop and [white paper](#)
  - c. EU National Productivity Forum.
5. Presentations to National Productivity Boards including:
  - a. Austria, Finland, Malta, and Italy.
6. [Linked](#) in page
7. A [VOXEU](#) piece
8. A VOXTALK [Podcast](#).

See also Technical Report (Part A).

#§COM-DIS-VIS-CDV\$# #@SUS-CON-SC@#

## 1.8 Sustainability and continuation

### Sustainability, long-term impact and continuation

Report on changes in your sustainability analysis/strategy (if any).

For the Final Report, describe the follow-up of the project after the end of the EU grant. How will the results be used or further developed. Describe the strategy to ensure sustainability of results and long-term impact. Comment on possible synergies/complementarities with other (EU funded) activities (if any).

Sustainability is ensured by a new funding line obtained by the IWH and the Leibniz Association. This funding line will start in 2025 in the amount of 1 million Euro. In addition, we expect members of the CompNet to continue their membership fees. Access fees are likely to be levied to maintain the network.

#§SUS-CON-SC\$# #@FIN-MGT-FM@#

## 1.9 Cost effectiveness and financial management

### Cost effectiveness and financial management

Inform about significant budget overruns or important changes in the financial management (if any).

There are no expected budget overruns at this time but we did however need to adjust some of our expenses to allow for necessary software acquisition. Workshops and conferences are all more expensive than expected and this might require some adjustment.

#§FIN-MGT-FM\$# #@FOL-UP-FU@#

## 1.10 Follow-up to EU recommendations

### Follow-up to EU recommendations

Highlight corrective actions taken as a result of EU monitoring activities (including follow-up to EU project reviews, if any). List each recommendation/comment and explain how they have been followed up.

No significant corrective actions have been necessary as a result of EU monitoring activities. We have felt it necessary however to improve engagement of the Latvia's productivity board. We have now engaged with an alternative representative of the National Productivity Board. Besides this only minor edits to delivered documents have been made.

#§FOL-UP-FU\$#

Project: [insert number] — [insert acronym] — [insert call identifier]

EU Grants: Periodic report/Additional prefinancing report/Beneficiary termination report (TSI): V1.0 – 01.04.2022

#@WRK-PLA-WP@#

## 2. WORK PLAN, WORK PACKAGES, ACTIVITIES, RESOURCES AND TIMING

### 2.1 Work packages, activities, resources and timing

#### WORK PACKAGES

#### Work Package 1

#### Work Package 1: Project management & coordination

##### Activities

Report on the *implementation status* of the activities that were to be implemented during the reporting period and explain *deviations* from Annex 1 of the Grant Agreement. In case an activity was not implemented or a deliverable not produced, please explain why.

Task No (continuous numbering linked to WP)	Task Name	Implemented? (Yes/No/Partially)	Justification (explain what was done and by whom; explain what was not done and why not; indicate how you intend to handle the situation and new timing; indicate if it was a one-off issue or how you intend to avoid similar issues in the future)
T1.1	Financial and contractual management	Partially	This is an ongoing activity
T1.2	Communication within and outside the Consortium	YES	External website is constantly updated
T1.3	Monitoring and Reporting	Partially	Quarterly progress reports have been delivered. We have also set up a Steering Committee that meets regularly.
Other issues <i>Mention and explain unexpected events and adjustments that had to be made. Explain impact on other tasks, available resources and planning/timing.</i>		Insert text	

#### Milestones and deliverables (outputs/outcomes)

See Technical Report (Part A).

**Budget implementation — Use of resources (deviations)** *(n/a for Additional Prefinancing Report)*

Explain deviations from the budget planning (i.e. differences between actual and planned use of resources, especially for personnel).

Include explanations on transfers of cost categories in the estimated budget (if applicable)

If needed, add explanations linked to the report on the use of resources filled in online. Ensure consistency with that report.

We initially planned for hiring a Post-Doc position. Unfortunately, we were not able to fill the position. Therefore, we redirected the funds for WP1 to a contract with a management support position (23.954,70 €) The tasks covered by it are supporting IWH team and project manager in:

- Creating and updating the MULTIMSPROD website
- Coordination, procurement of travel and organisation of meetings and workshops
- General administrative activities (online meetings, communication)

The remaining funds of the formally planned Post-Doc position for WP2, WP3 and WP4 were redirected to personal costs hiring more consultants. Moreover, due to the fact that we did not have to contract for the visualisation tool, we redirected funds to personnel costs and hired more consultants to work with and on the data.

Other issues

Insert text

**Work Package 2**

**Work Package 2: DATA INFRASTRUCTURE COORDINATION**

**Activities**

Report on the implementation status of the activities that were to be implemented during the reporting period and explain deviations from Annex 1 of the Grant Agreement. In case an activity was not implemented or a deliverable not produced, please explain why.

Task No (continuous numbering linked to WP)	Task Name	Implemented? (Yes/No/Partially)	Justification (explain what was done and by whom; explain what was not done and why not; indicate how you intend to handle the situation and new timing; indicate if it was a one-off issue or how you intend to avoid similar issues in the future)
T2.1	Variable analysis & quality report	YES	Delivered



T2.2	CompNet Reduced Dataset	YES	Delivered
T2.3	MDI	Partially	In progress
T2.4	Annual conference	No	This will be delivered at the end of the 2 <sup>nd</sup> year.
T2.5	Workshop	Partially	2 workshops have been delivered. The next one is planned for February of 2024.
Other issues <i>Mention and explain unexpected events and adjustments that had to be made. Explain impact on other tasks, available resources and planning/timing.</i>		Insert text	
<b>Milestones and deliverables (outputs/outcomes)</b>			
See Technical Report (Part A).			

### Work Package 3

<b>Work Package 2: General Training on Data Handling</b>			
<b>Activities</b>			
<i>Report on the <u>implementation status</u> of the activities that were to be implemented during the reporting period and explain <u>deviations</u> from Annex 1 of the Grant Agreement. In case an activity was not implemented or a deliverable not produced, please explain why.</i>			
Task No (continuous numbering linked to WP)	Task Name	Implemented? (Yes/No/Partially)	Justification (explain what was done and by whom; explain what was not done and why not; indicate how you intend to handle the situation and new timing; indicate if it was a one-off issue or how you intend to avoid similar issues in the future)
T3.1	Training	Partially	Training is ongoing. CompNet delivered. Now focused on MDI use and analysis.

T3.2	Policy analysis & flagship report	Yes	Delivered.
Other issues <i>Mention and explain unexpected events and adjustments that had to be made. Explain impact on other tasks, available resources and planning/timing.</i>		Insert text	
<b>Milestones and deliverables (outputs/outcomes)</b>			
See Technical Report (Part A).			

**Work Package 4**

<b>Work Package 4: Presentation of the Extended MDI Output</b>			
<b>Activities</b> <i>Report on the <u>implementation status</u> of the activities that were to be implemented during the reporting period and explain <u>deviations</u> from Annex 1 of the Grant Agreement. In case an activity was not implemented or a deliverable not produced, please explain why.</i>			
Task No (continuous numbering linked to WP)	Task Name	Implemented? (Yes/No/Partially)	Justification (explain what was done and by whom; explain what was not done and why not; indicate how you intend to handle the situation and new timing; indicate if it was a one-off issue or how you intend to avoid similar issues in the future)
T4.1	MDI	Partially	We continue to build the MDI infrastructure for Portugal, Austria, Germany, Slovenia, Slovakia. France, Portugal, and Slovenia are almost ready and a test will be performed in January. Germany, Slovakia, and Austria will take a bit longer still. Latvia has no funds for their National Statistical Office. They have made a request for 30,000 Eur. Research and Training groups are in place and working together.
Other issues <i>Mention and explain unexpected events and adjustments that had to be made. Explain impact on other tasks, available resources and planning/timing.</i>		Insert text	

<b>Milestones and deliverables (outputs/outcomes)</b>
See Technical Report (Part A).

*Timetable*

<b>Timetable (projects up to 2 years)</b>																							
<i>Report on <u>deviations</u> from Annex 1 of the Grant Agreement. Fill in the planned implementation in beige and the deviations in red. Adapt and repeat lines/columns as necessary.</i>																							
<b>Starting date:</b>	<b>October of 2022: No deviations to report.</b>																						
<b>ACTIVITY</b>	<b>MONTHS</b>																						
	<b>M 1</b>	<b>M 2</b>	<b>M 3</b>	<b>M 4</b>	<b>M 5</b>	<b>M 6</b>	<b>M 7</b>	<b>M 8</b>	<b>M 9</b>	<b>M 10</b>	<b>M 11</b>	<b>M 12</b>	<b>M 13</b>	<b>M 14</b>	<b>M 15</b>	<b>M 16</b>	<b>M 17</b>	<b>M 18</b>	<b>M 19</b>	<b>M 20</b>	<b>M 21</b>	<b>M 22</b>	<b>M 23</b>

#@ETH-ICS-EI@#

### 3. OTHER

#### 3.1 Ethics

Ethics
Not applicable.

#§ETH-ICS-EI§# #@SEC-URI-SU@#

#### 3.2 Security

Security
Not applicable.

#§SEC-URI-SU§# #@DEC-LAR-DL@#

### 4. DECLARATIONS

Double funding	
<b>Information concerning other EU grants for this project</b>  Please note that there is a strict prohibition of double funding from the EU budget (except under EU Synergies actions).	YES/NO
We confirm that to our best knowledge neither the project as a whole nor any parts of it benefit/have benefitted from any other EU grant (including EU funding managed by authorities in EU Member States or other funding bodies (e.g. EU Regional Funds, EU Agricultural Funds, etc)). If NO, explain and provide details	YES
We confirm that to our best knowledge neither the project as a whole nor any parts of it are (nor will be) submitted for any other EU grant (including EU funding managed by authorities in EU Member States or other funding bodies (e.g. EU Regional Funds, EU Agricultural Funds, etc)). If NO, explain and provide details.	YES

#§DEC-LAR-DL§#

HISTORY OF CHANGES		
VERSION	PUBLICATION DATE	CHANGE
1.0	01.04.2021	Initial version (new MFF).