



Growth and Productivity Accounts

Enrico.INFANTE@ec.europa.eu

Ani.TODOROVA@ec.europa.eu

Eurostat - Unit C.2: National Accounts Production

Workshop for the national productivity boards

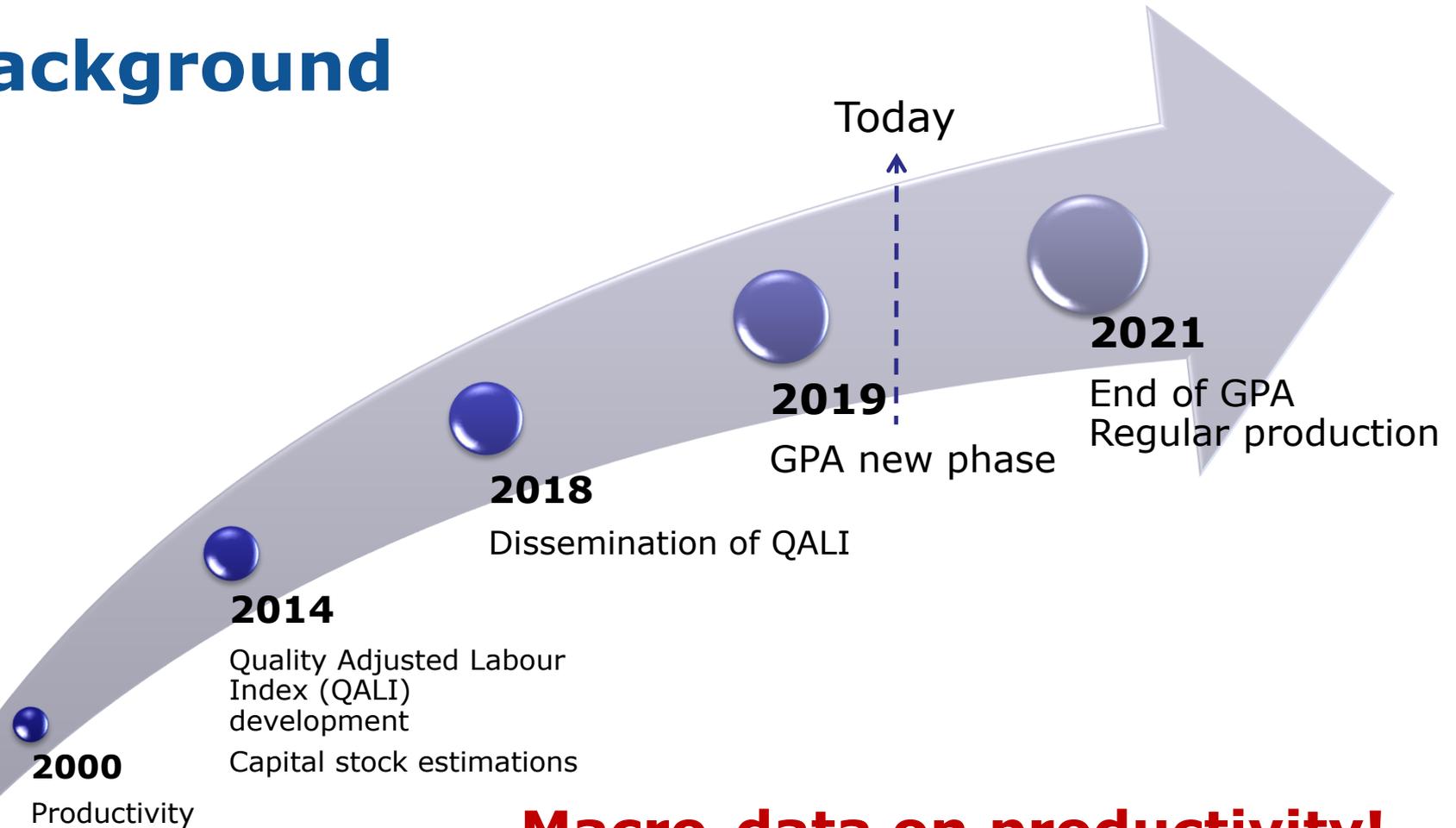
Brussels, 14 November 2019

Session 2

Content

- Background, current situation and motivations
- Growth and Productivity Accounts (GPA)
 - **Tools**
 - **Project**
 - **Timeline**
- Task Force on Productivity Indicators
- Grants to Member States
- Cooperation activities with National Productivity Boards (NPB)

Background



Macro-data on productivity!

Current publications: Productivity Indicators

Labour

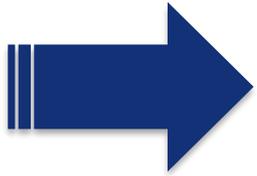
- Total economy (persons, hours worked)
- Regions (NUTS2, persons)
- Unit Labour Costs (persons)
- Experimental QALI

Capital

- No publications

Multifactor

- No publications



Need to improve the coverage of indicators released

We aim at Quality!

The common quality framework of the European Statistical System is detailed in the [European Statistics Code of Practice](#)



Motivations of the GPA project

- Eurostat considers that **data available under the ESA 2010 Transmission Programme** should be fully exploited
- Production of new indicators under **key EU policies**
- Work on productivity part of the **European statistical programme**
- **National Productivity Boards (NPB)** established in many Member States, according to **Council Recommendation of 20 September 2016** (2016/C 349/01)
- **Macroeconomic** point of view:
 - ESA 2010 acknowledges growth and productivity accounts as satellite accounts
 - Focus on quality assured statistics based on robust statistical methods

The GPA project - Tools

Outsourcing

- Use external expertise and knowledge
- Labour productivity
- Capital and multi-factor productivity

Task Force

- Work with Member States
- Gather institutional users and compilers

Grants

- Allow and encourage Member States to work on productivity
- Harmonisation
- Reduce the gap among Member States
- Promote cooperation between NSIs and other institutions such as NPBs

Eurostat

Member States

Institutional users

The GPA project

**Labour
Productivity
Indicators
(LPI)**

**Capital
Productivity
Indicators
(CAPI)**

**Multifactor
Productivity
(MFP)**

Methodology

Production & publication

Quality analysis

Awareness & dissemination

The GPA project

Work package 1

Extension of publication of LPI on the basis of existing national accounts' main aggregates and regional accounts data, including QALI indicators

- LPI according to OECD manual, incl. industry breakdowns
- QALI as official statistics
- Quality analysis and need for improvement
- Comparability across countries
- Metadata

Partner is the JRC

The GPA project

Work package 2

Production and publication of CAPI based on existing national accounts' main aggregates data and MFP

- CAPI and MFP according to OECD manual
- Choice of methods and indicators
- Methodological helpdesk for countries
- Quality analysis and improvement actions
- Comparability across countries
- Metadata

Partner is WIIW

The GPA project

Work Package 3

Feasibility study of LPI, including QALI, for the digital economy

- Feasibility study of LPI for the digital economy
- Focus on LPI and QALI
- Information on digital skills expected in future social surveys
- Choice of methods
- If successful, experimental statistics

Partner is the JRC

The GPA project

Work Package 4

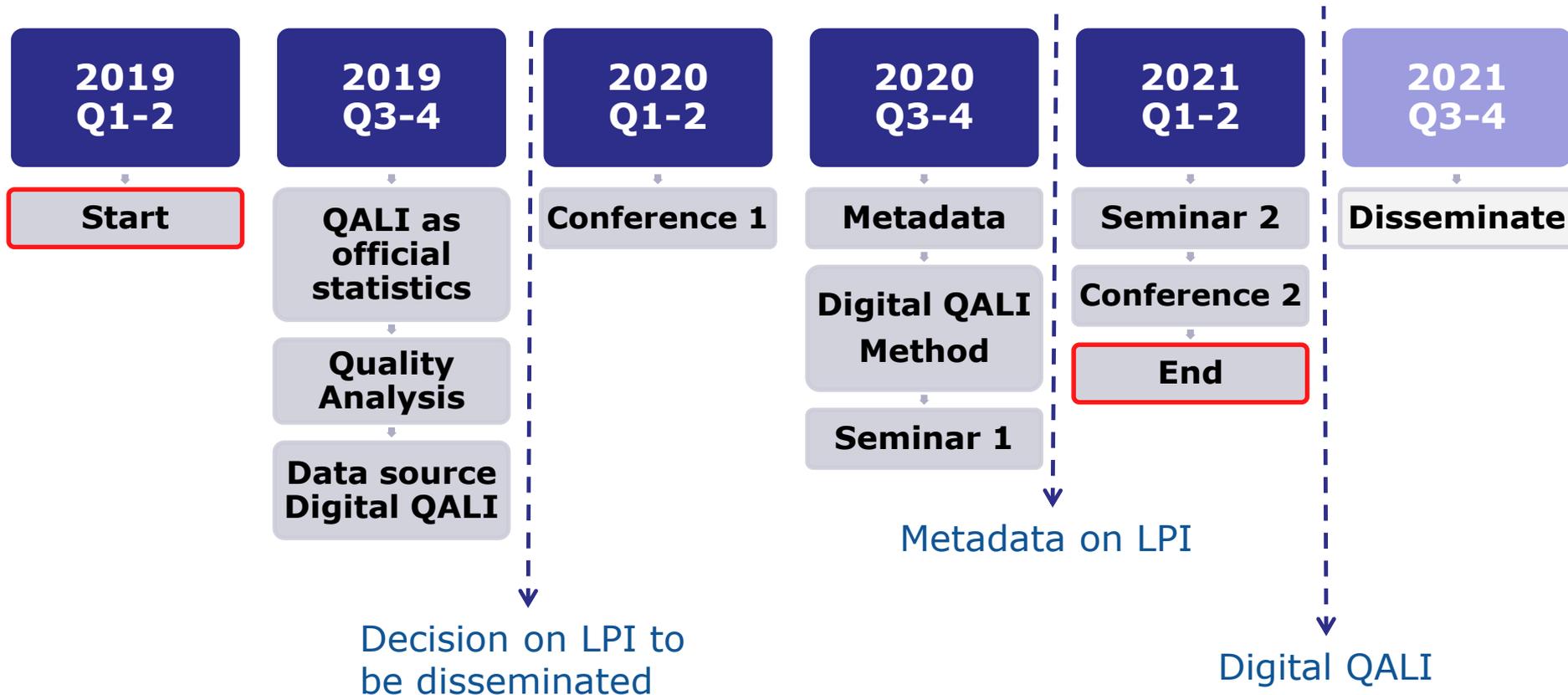
Promotion of productivity indicators and awareness rising regarding their importance and relevance

- Develop an ESS technical network
- Contacts between statisticians and EU and national users of productivity data as well as the research community
- Cooperation with National Productivity Boards
- Seminars

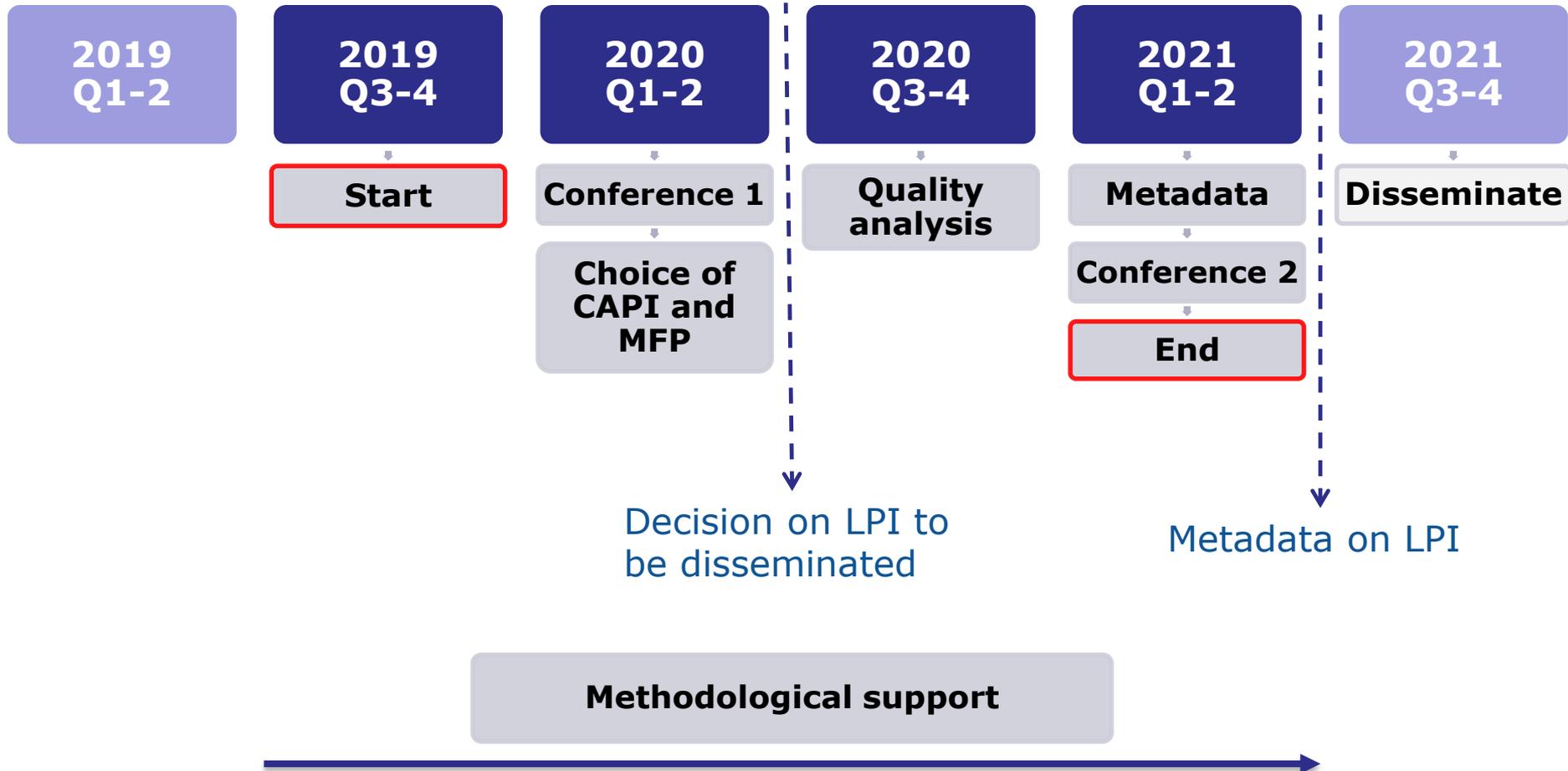
Partner is the JRC

Partner is WIIW

The GPA project: Timeline LPI



The GPA project: Timeline CAPI+MFP



Task Force on Productivity Indicators

Main areas of work

- Methodological and quality issues in deriving labour, capital, multifactor and other productivity indicators and productivity measures
- Methodological and quality issues related to quality adjusted productivity indicators
- Derivation of indicators considering the ESA 2010 Transmission Programme and possible future improvements
- Analysis and interpretation of the results of productivity indicators and measures, including comparability of productivity indicators and related productivity measures across countries
- Communication and cooperation with data users

Task Force on Productivity Indicators

Deliverables

- New or enhanced productivity indicators and related metadata published nationally and by Eurostat
- Documented compilation methods, including a publication on national and Eurostat compilation methods and practices
- Quality analysis of results
- Awareness events at EU and national level

Task Force on Productivity Indicators

Working arrangements

- TF-PI will be active from 2019 to 2021 and will hold two meetings per year, usually in Luxembourg in April and in October
 - **First meeting in April 2019**
 - **Second meeting 18-19 November 2019**
- The findings and the results of the task force will be presented to working groups with Member States in progress reports and a final report.

Task Force on Productivity Indicators

Work in progress

- 13 Member States: Belgium, Denmark, Germany, Ireland, France, Italy, Latvia, Luxembourg, Netherlands, Poland, Slovenia, Slovakia, Finland, plus Norway
- Commission DGs: ECFIN, GROW, EMPL, CNECT, plus the JRC
- Other institutional users: ECB, OECD
- First meeting in April 2019
- Second meeting 18-19 November 2019 (next week)

Grants



Ongoing process!

- Call for proposal published in the summer
- 5 working packages, of which 3 mandatory
- Application deadline 5 September 2019
- Applications from 10 Member States: Czechia, Denmark, Germany, Italy, Latvia, Netherlands, Portugal, Slovakia, Slovenia, Finland
- Start date around January 2020

Grants – work foreseen

WP 1. Development and improvement of LPI

WP 2. Development of QALI - **voluntary**

WP 3. Development and improvement of CAPI

WP 4. Development and improvement of MFP and other productivity measures - **voluntary**

WP 5. Cooperation, networking and promotion of productivity indicators

Grants

WP 1. DEVELOPMENT AND IMPROVEMENT OF LPI

- Development of methodology, collection and processing of **data** and **metadata** for compiling LPIs:
 - **Across industries**
 - **Across regions**
 - Considering firm demographics
 - Considering contributions to GDP and/or MFP
 - In PPP across industries
- Quality assessment of LPIs and underlying data, according to the quality criteria of the European Statistics Code of Practice

Grants

WP 2. DEVELOPMENT OF QALI

- Development of methodology, collection and processing of **data** and **metadata** for compiling country specific QALI considering, for example, adjustments for:
 - **Skills**
 - **Work experience**
 - **Gender**
- Quality assessment of QALI and underlying data, according to the quality criteria of the European Statistics Code of Practice
- Development work supporting the feasibility study for QALI for the digital economy

Grants

WP 3. DEVELOPMENT AND IMPROVEMENT OF CAPI

- Development of methodology, collection and processing of **data** and **metadata** for compiling CAPIs:
 - **Across industries**
 - **Improving data sources**
 - **Developing PIM model**
 - **Measuring capital services**
- Quality assessment of CAPIs and underlying data, according to the quality criteria of the European Statistics Code of Practice

Grants

WP 4. DEVELOPMENT AND IMPROVEMENT OF MFP

- Development of methodology, collection and processing of **data** and **metadata** for compiling MFP and/or other productivity indicators
- Quality assessment of MFP and/or other productivity indicators and underlying data, according to the quality criteria of the European Statistics Code of Practice

Grants

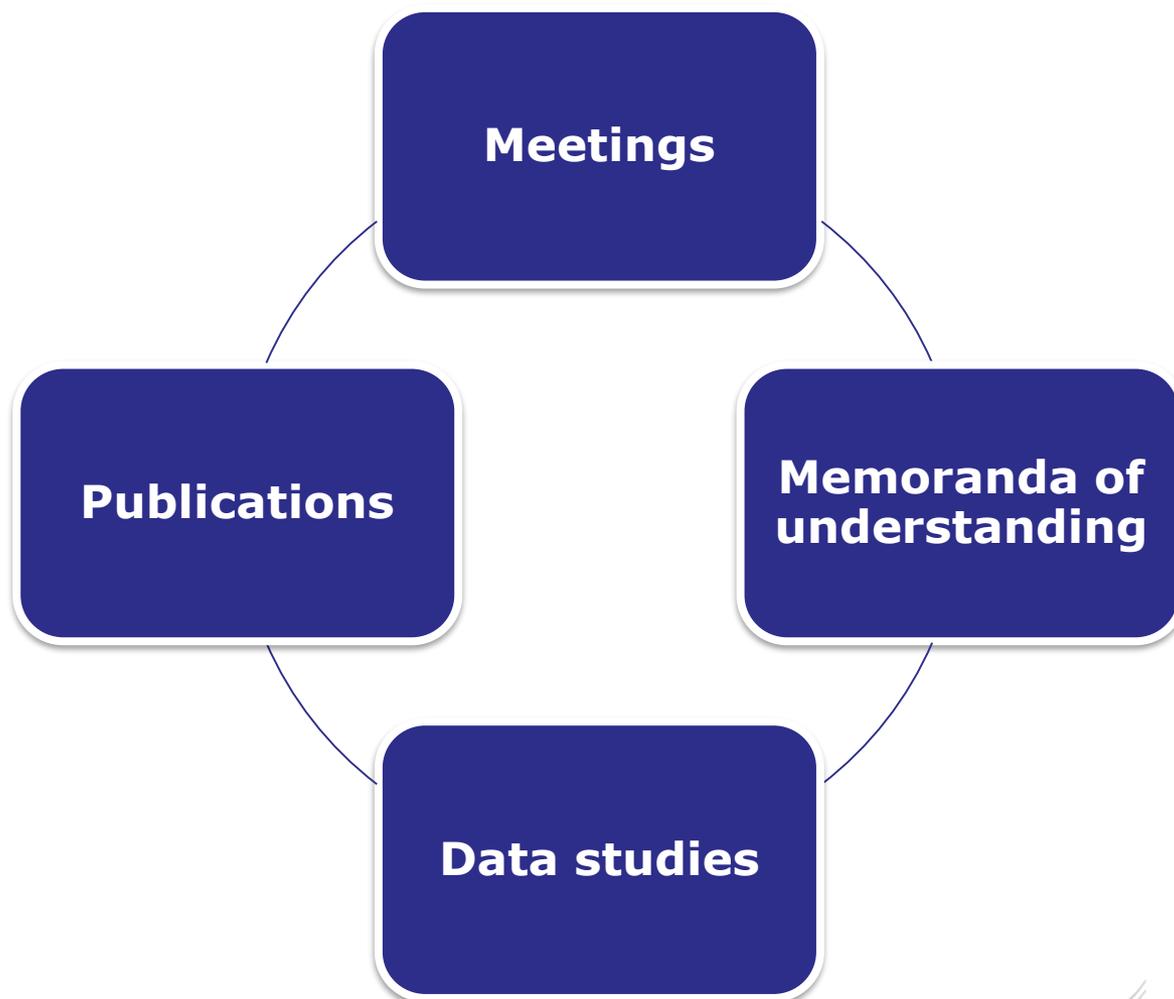
WP 5. COOPERATION, NETWORKING AND PROMOTION

- Participation at the Task Force on Productivity Indicators
- Participation at two Eurostat seminars on GPA
- Cooperation activities with universities, research organisations and the National Productivity Boards (NPB)
- Organisation of a national event such as a workshop or a seminar on the topic of productivity
- Participation in one international conference on the topics of growth and productivity accounts with a paper or a poster presenting the project results

Cooperation activities with NPB

- We believe that cooperation between NPBs and NSIs is mutually beneficial
- As we noticed contacts and coordination activities between NSIs and NPBs were often not yet in place in all Member States, we encouraged the NSIs to cooperate with the NPBs
- NPBs as a major user of official data provided by NSIs would be interested in communicating data development needs to the NSIs
- NPBs can profit from cooperation with the NSIs in order to better understand the quality and usability of the data and conduct joint data analysis

Cooperation activities with NPB



Conclusions

