



# Global Input- Output Tables

**Eurostat, Unit C2 National and regional accounts  
production. Balance of payments**

Expert Group on International Trade and Economic Globalization  
Statistics, 26-28 January 2016

# Outline

## *GLOBALISATION: PROJECTS FOR THE ACCOUNTING FRAMEWORKS IN EUROSTAT*

- 1. BACKGROUND**
- 2. TWO PROJECTS: FIGARO AND IGA**
- 3. FIGARO IN MORE DETAILS**

# Background

- **Reflecting globalisation in statistics is a challenge**
- **There are different streams of work at international level where Eurostat and the NSIs are involved**
- **Eurostat is willing to offer a platform bridging the macro and micro dimensions of globalisation**
- **Two projects FIGARO and IGA for the accounting frameworks**

# Two projects for the accounting frameworks: FIGARO and IGA

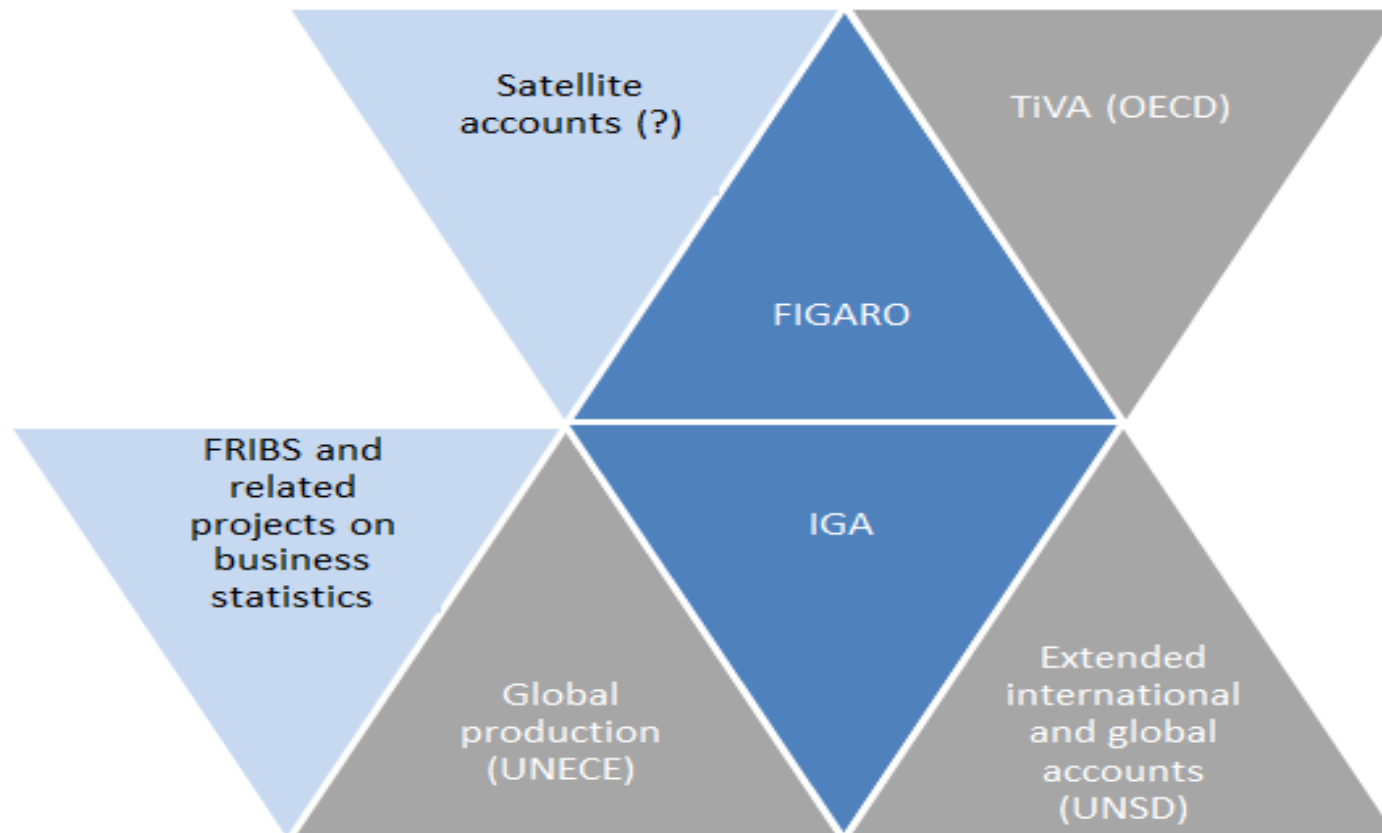
## **FIGARO**

- *Internal Eurostat project*
- *Business case presented to the NAWG (attached)*
- *Implementation – Oct 2015 – Dec 2017*
- *Output: methodology and experimental European multi-country supply, use and input-output tables*

## **IGA**

- *Jointly Eurostat and Member States (NA and BOP)*
- *Business case attached*
- *Implementation – Sep 2016 – Dec 2018*
- *Outputs: Implemented recommendations on global production; European contribution to global accounts*

# Project environment for FIGARO and IGA



# FIGARO in more details

1. **F**ull **I**nternational and **G**lobal **A**ccounts for **R**esearch in Input-**O**utput Analysis
2. Joint project Eurostat – European Commission Joint Research Center (IPTS)
3. European Inter-Country Supply, Use and Input-Output Tables

# FIGARO, its aims

- 1. establish the framework, infrastructure and capacity to construct and publish EU-IC-SUIOT as official statistics*
- 2. provide data to evaluate the European Union policies and to assess the position of the European Union and the Euro Area in the world*
  - Analyses of the economic, social and environmental consequences of globalisation in the EU**
- 3. First experimental EU-IC-SUIOT for reference year 2010*
  - in line with SNA2008/ESA2010 methodology**
  - NACE Rev.2 /ISIC Rev.4 and CPA/CPC classifications.**
- 4. Regular annual EU-ICIOTs and five yearly EU-SUIOTs*

# FIGARO fundamentals

- ✓ A regular combination of primary statistics on businesses and trade and macro-economic data sources; more detailed in-house data re-used (trade by enterprise characteristics, asymmetries analysis...
- ✓ Careful checking of user needs of various European Commission's DGs for policy analyses, i.e.: DG ESTAT, DG ECFIN, DG TRADE, DG ENV, DG RTD, DG EMPL, DG GROW...
- ✓ An institutional perspective by setting up consistent EU-ICSUIOTs, recognised by international agencies such as OECD, WTO and UN, and used as such in a Global ICIO
- ✓ National compilers of the EU Member States involved in order to ensure that they can take ownership of the national data used and EU-ICSUIOT disseminated



## FIGARO fundamentals (2)

- ✓ Integration of growth and productivity indicators in the European IC-SUIOTs
  - Labour accounts: to link data on labour to EU-IC-SUIOT; Quality Adjusted Labour Index (hours worked) by Age group, Skills level, gender and industry breakdowns
  - Capital productivity indicators: Gross fixed capital formation (GFCF); (Net) fixed capital stock (NFCS); Average service life of assets (ASL); By asset and industry breakdowns
- ✓ Integrated with environmental accounts (energy, GHG emissions and material flows accounts)
- ✓ Explore extensions of the EU-MC-SUIOTs with global business statistics (including recommendations of the OECD Expert Group of Extended Supply and Use Tables)

# FIGARO implementation approach

- ✓ Project manager in National Accounts production unit, Supply, Use and Input-Output tables team
- ✓ Reporting structure:
  - ✓ Eurostat Coordination Group: National accounts unit, trade statistics unit, environmental accounts unit,
  - ✓ Steering committee (European Commission users, OECD, ECB, WTO, UN)
  - ✓ TECHNICAL Group on consolidated European SUIOTs (Member States, ECB, ESTAT, DG JRC)
- ✓ Work organised in Work Packages (WP) in liaison to tasks – Different leaders
  - ✓ Resources evaluated at 105 FTE from October 2015 to December 2017

## FIGARO, 11 WPs

WP1	Inception and format
WP2	Review of methods
WP3	Treatment of asymmetries in trade statistics
WP4	Construction of international SUTs
WP5	Construction of international IOTs
WP6	Integration with OECD/WTO/UN
WP7	Link to labour and capital accounts
WP8	Environmental accounts
WP9	Extended SUTs
WP10	Analysis and future prospects
WP11	Technical developments

# FIGARO time schedule

		2015		2016								2017					
		Oct		Jan	Mar					Nov	Dec	Feb	Apr	Jun	Jul	Sep	Dec
Inc	WP1				D1												
Rev	WP2			D2													
Asym	WP3					D3.1				D3.2							
SUT	WP4					D4.1				D4.2							
IOT	WP5											D5					
OECD	WP6					D6.1							D6.2				
LK	WP7													D7			
Env	WP8										D8.1				D8.2		
Ext	WP9							D9.1				D9.2				D9.3	
Dis	WP10													D10.1			D10.2
IT	WP11							D11.1				D11.2					D11.3

# FIGARO milestones

- ✓ Proposal for methodology to construct the EU-IC-SUIOTs by January 2016 and inception report by March 2016
- ✓ Construction of EU-IC-SUT by December 2016
- ✓ Construction of EU-IC-IOT by February 2017
- ✓ Linking the EU-IC-SUIOTs to labour and capital inputs by June 2017 and to environmental accounts by July 2017.
  
- ✓ Future of FIGARO: disseminate in 2018 further years...



# Global Input-Output Tables - Eurostat

Thank you for your attention