



Development of a quality adjusted labour productivity index in the European Union

Isabelle Rémond-Tiedrez

European Commission Eurostat

Antonio F Amores

European Commission, Joint Research Center, IPTS

QALI in European Union

- Outline
 - **Two projects: QALI and Consolidated European SUIOTs**
 - **Methodology of QALI**
 - **Data sources for QALI**
 - **Consolidation of 28 national Supply, Use Tables**
 - **Results: for CZ and EU28**

Two projects: productivity indicators and EU-SUIOT

1. Productivity indicators:

- collaboration with JRC-IPTS
- Aim: regular publication of coherent set of competitiveness indicators across MS and industries
 - Quality Adjusted Labour Index
 - Capital productivity indicators
 - Time series 2002 - 2014
- Integrated into European Wheel of Competitiveness: statistical framework for competitiveness
- Project duration: 2014 - 2016

Two projects: productivity indicators and EU-SUIOT

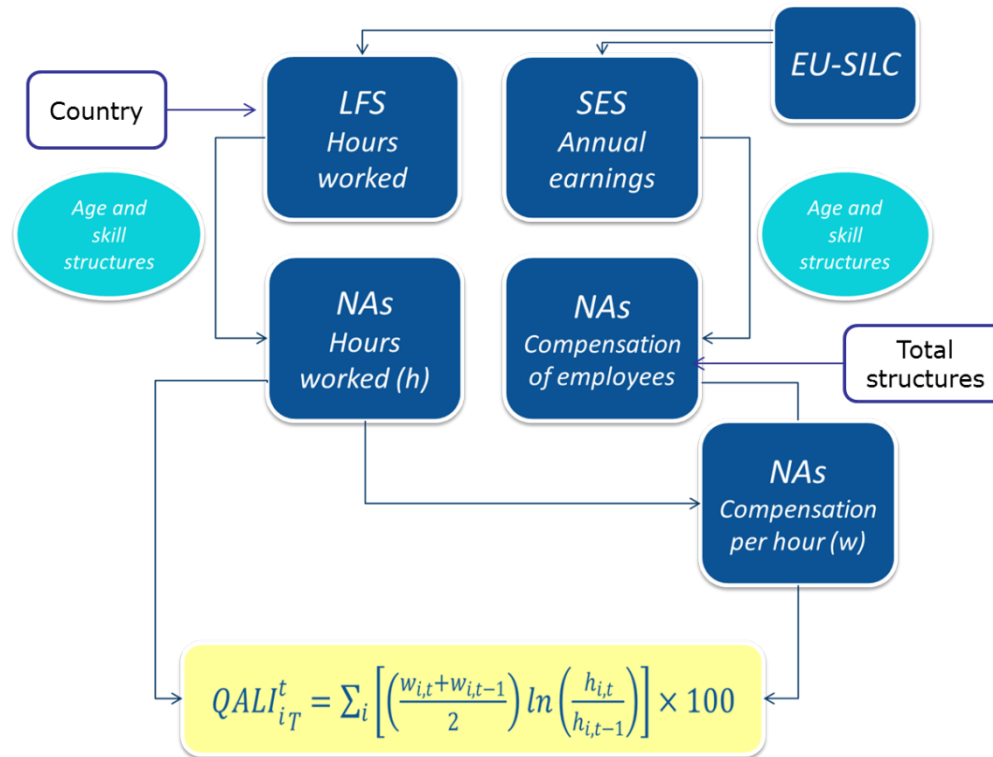
2. European consolidated Supply and Use Tables

- ✓ Coherent EU and euro area SUTs and IOTs : analytical purposes; modelisation
- ✓ Time series 2005-2014
- ✓ Key input for environmental accounts:
 - Adding environmental extensions (EE) to the Supply and Use Tables (SUT);
 - Creating Environmentally Extended symmetric Input Output table (EE IOT)
- ✓ First dissemination 2011

QALI , methodology

- ✓ **Törnqvist** index: weights are labour income shares
- ✓ National Accounts aggregates benchmarked hours worked and compensation of employees
- ✓ Workers groups
 - **Age: 3 categories**
 - **Skill: 3 categories**
 - **Industry breakdown: 10 or 21**

QALI data sources



European consolidated SUIOTs

- steps to treat gray-marked intra-EU trade flows to get the consolidated EU28 Use table.

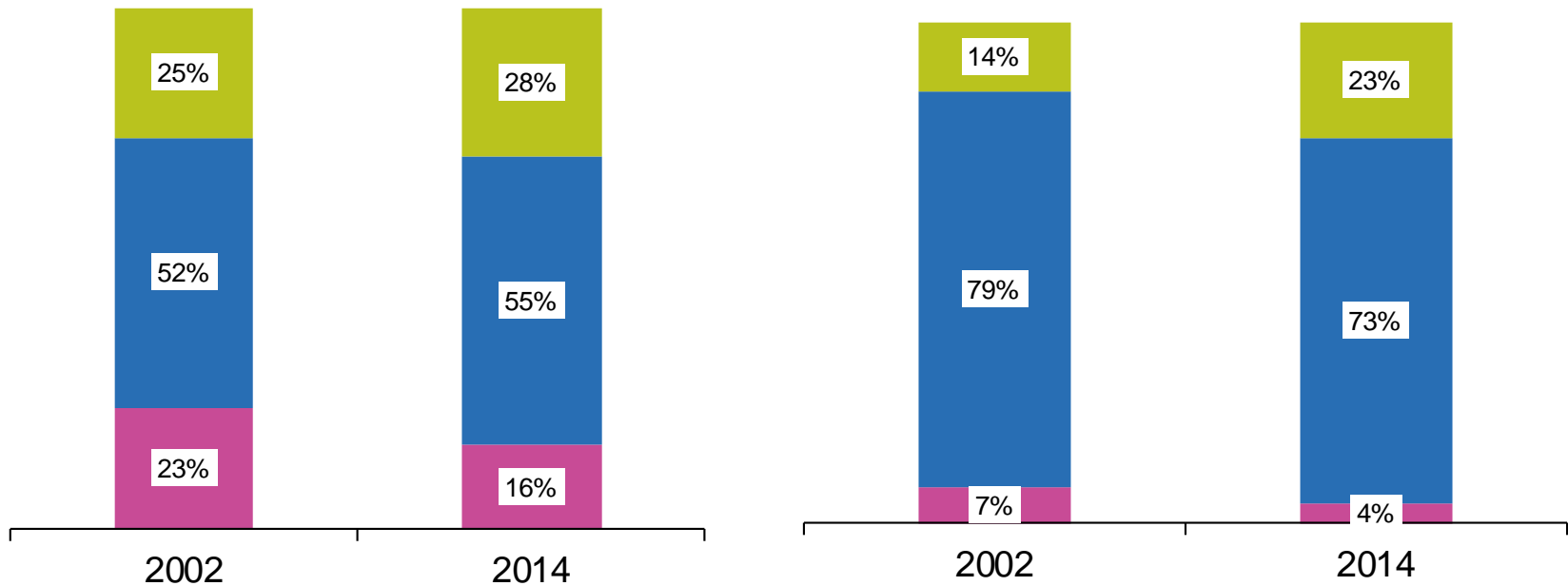
		Exports intra EU	Exports extra EU
Domestic intermediate use	Domestic final demand	1	2
Intra-EU import use	Intra-EU import final demand	3	4
Extra-Eu import use	Extra-EU final demand	5	6
TLS	TLS	7	8

- Benchmark to macro-aggregates totals in line with GDP

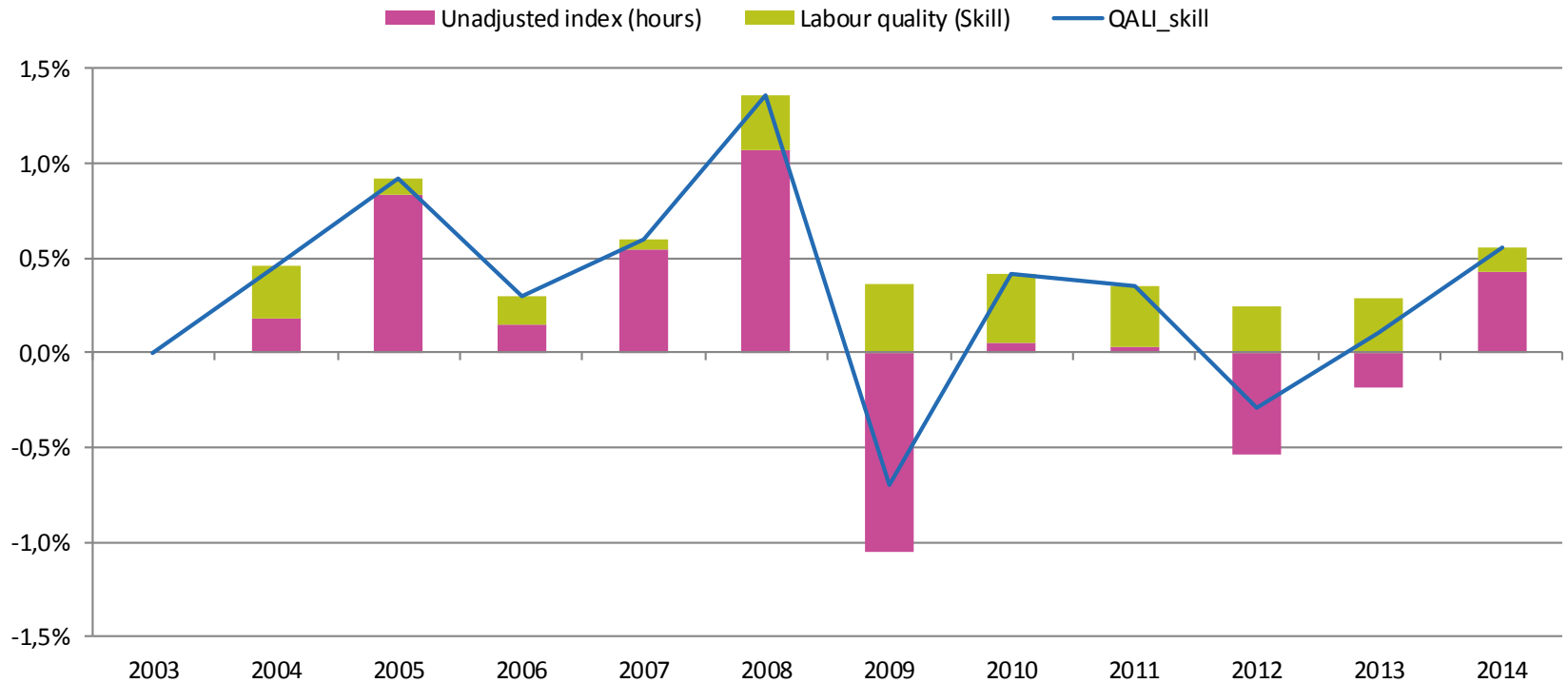
Results: composition of employment (hours worked) CZ

■ 15-29 years ■ 30-49 years ■ 50+ years

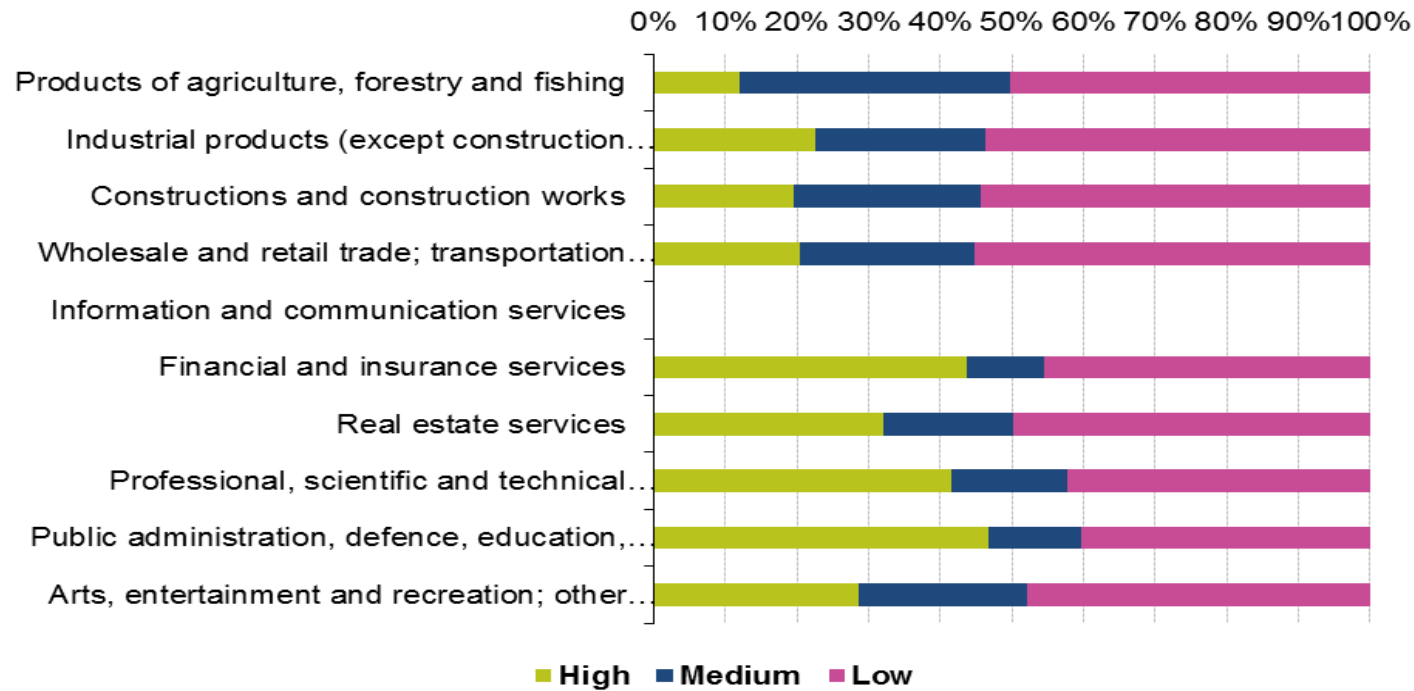
■ Low ■ Medium ■ High



Results, QALI CZ



Embodied employment in exports EU28





European
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Thank you for your attention