



# Development of the Bioeconomy within the European Union

Tévécia Ronzon

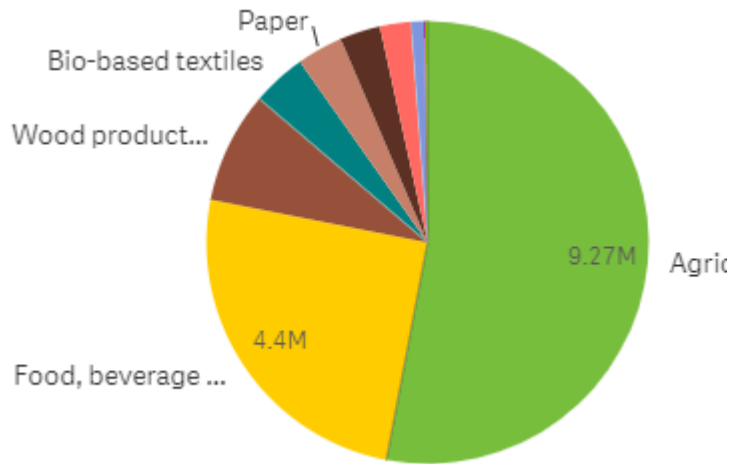
European Commission – Joint Research Centre  
Directorate D - Sustainable Resources  
Economics of Agriculture unit

# The bioeconomy in the European Union (2017)

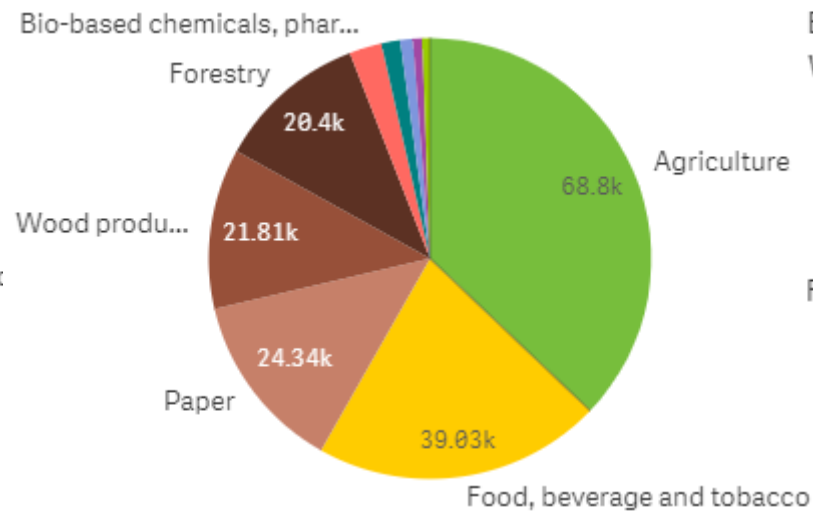
## 17.5 M jobs, 614 M€ value added

Employment

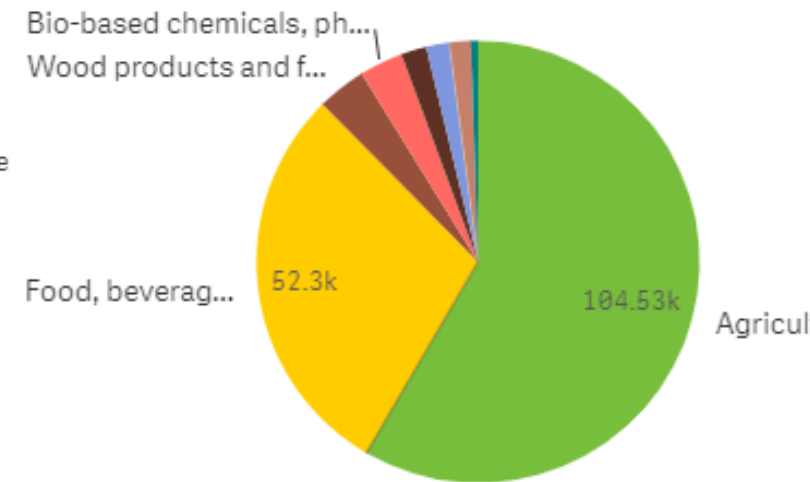
### EU27



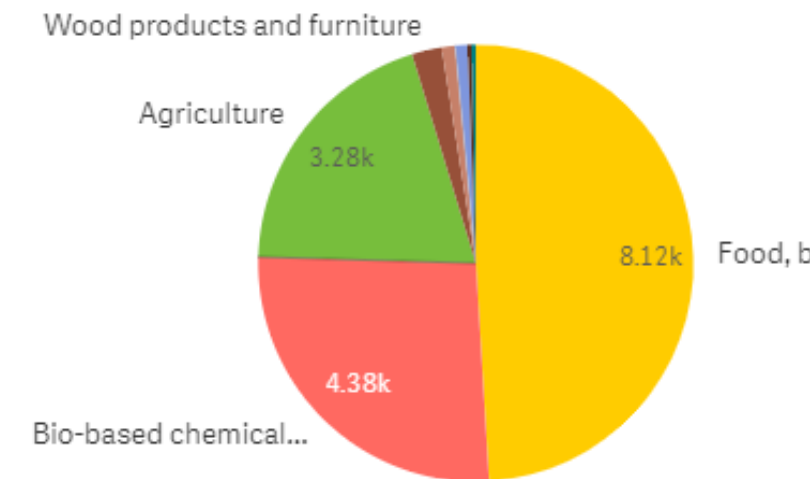
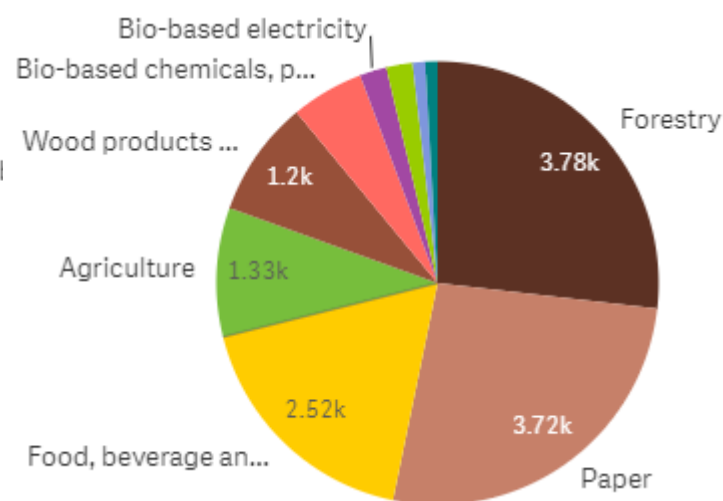
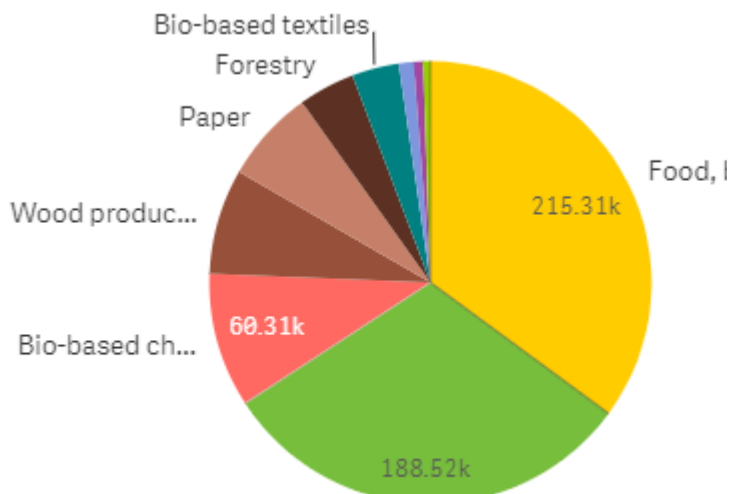
### Finland



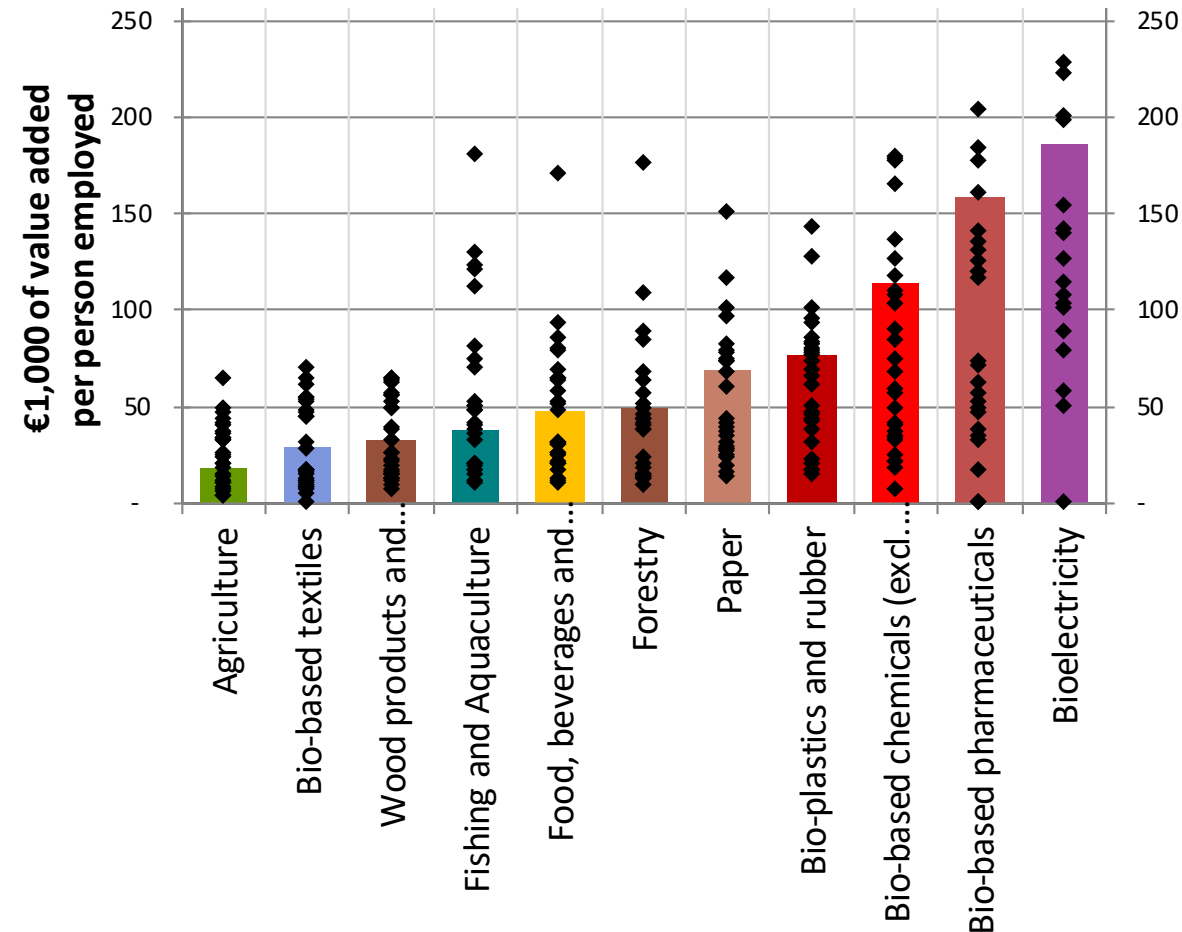
### Ireland



Value added



# Apparent labour productivity across sectors (2015-2017)



Colour bars: EU  
Dots: MS

# EU Bioeconomies' trajectories



Brief Report

## Developments of Economic Growth and Employment in Bioeconomy Sectors across the EU

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<https://www.mdpi.com/2071-1050/12/11/4507>

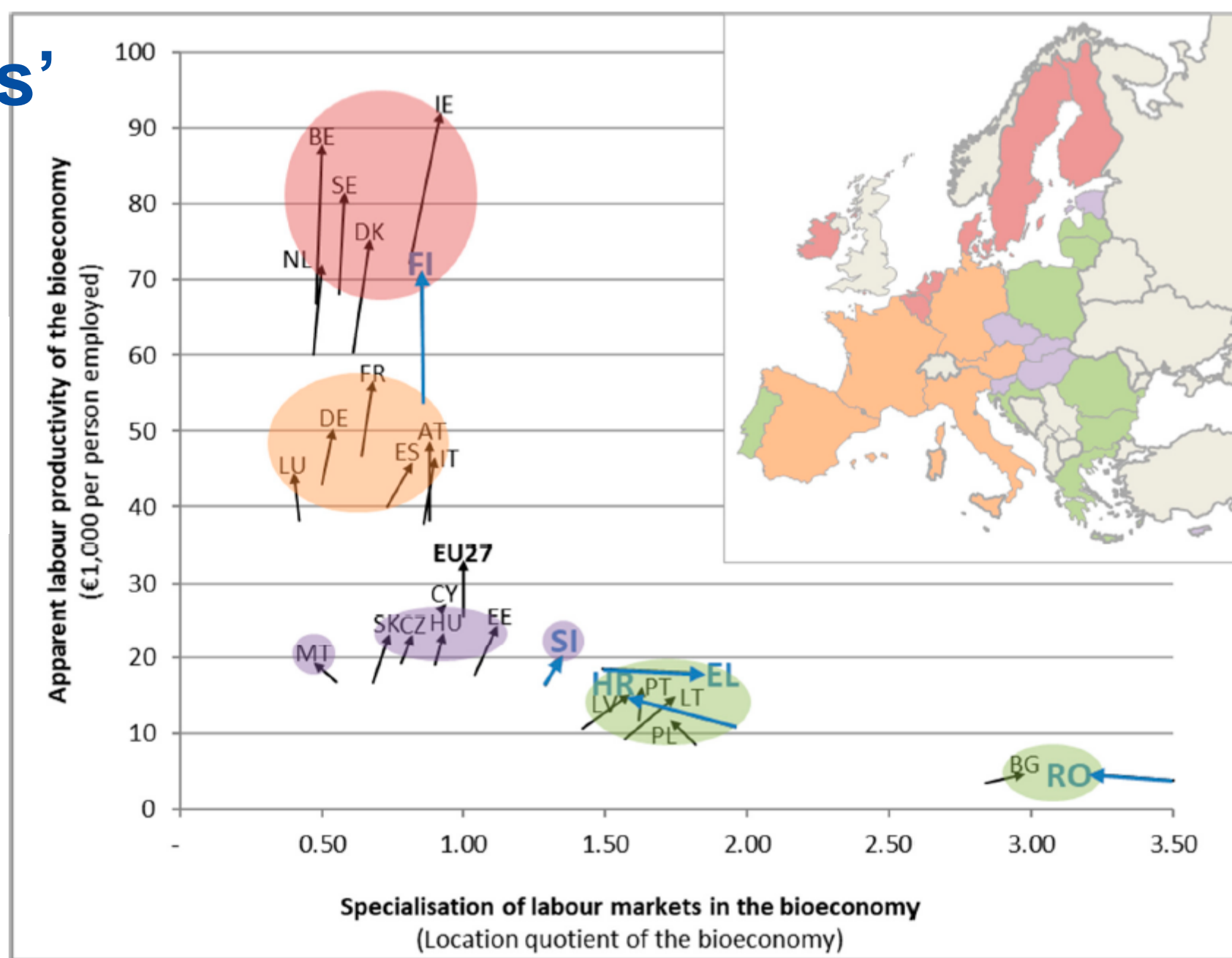
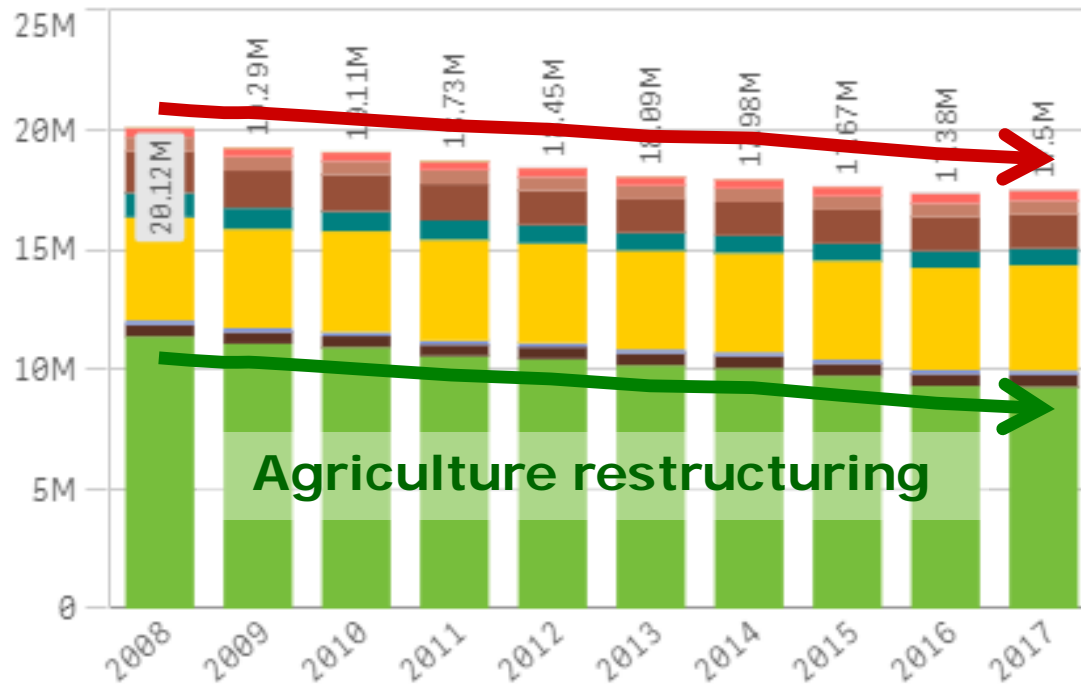


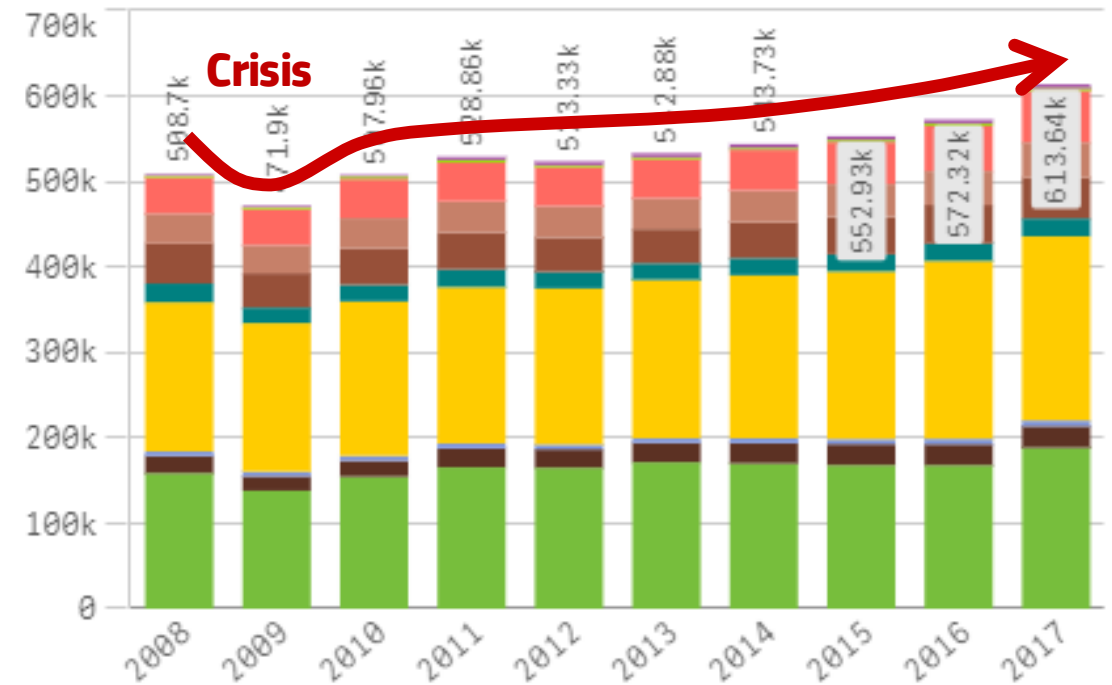
Figure 3. Evolution of the location quotient and apparent labour productivity in the bioeconomy of the 27 EU Member States, 2008–2010 to 2015–2017 (cases shown in blue are those discussed in

# Development of the EU bioeconomy over time (2008-2017)

Development of the number of people employed by sectors o...  
(number of people employed)

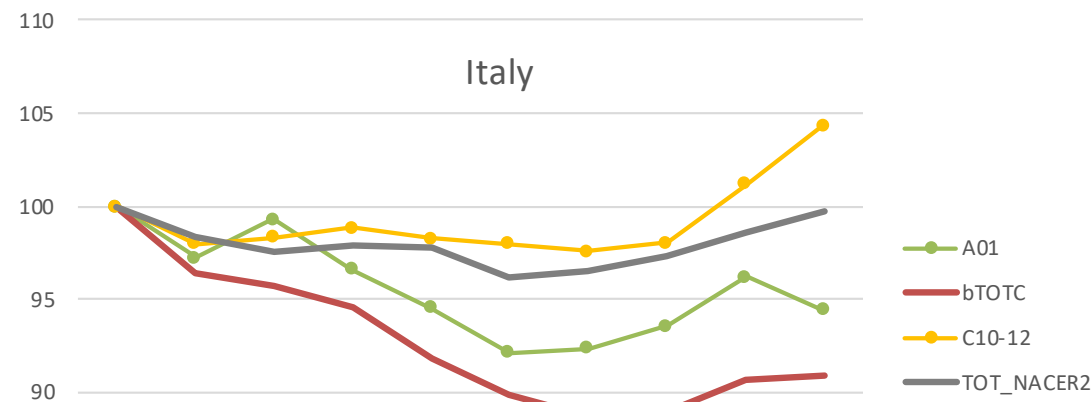
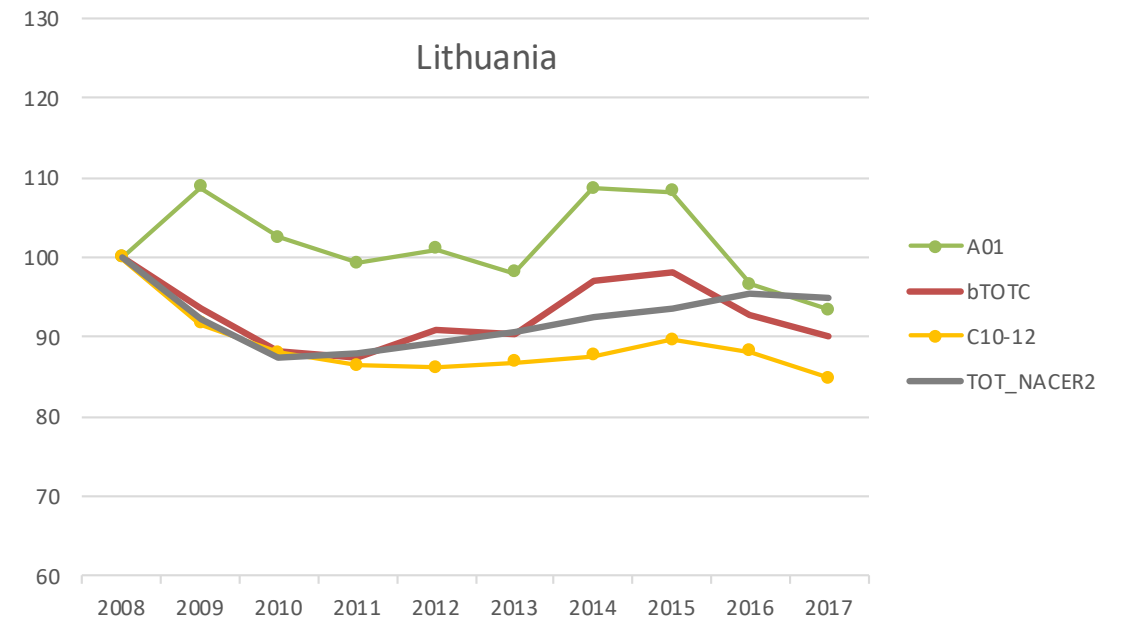
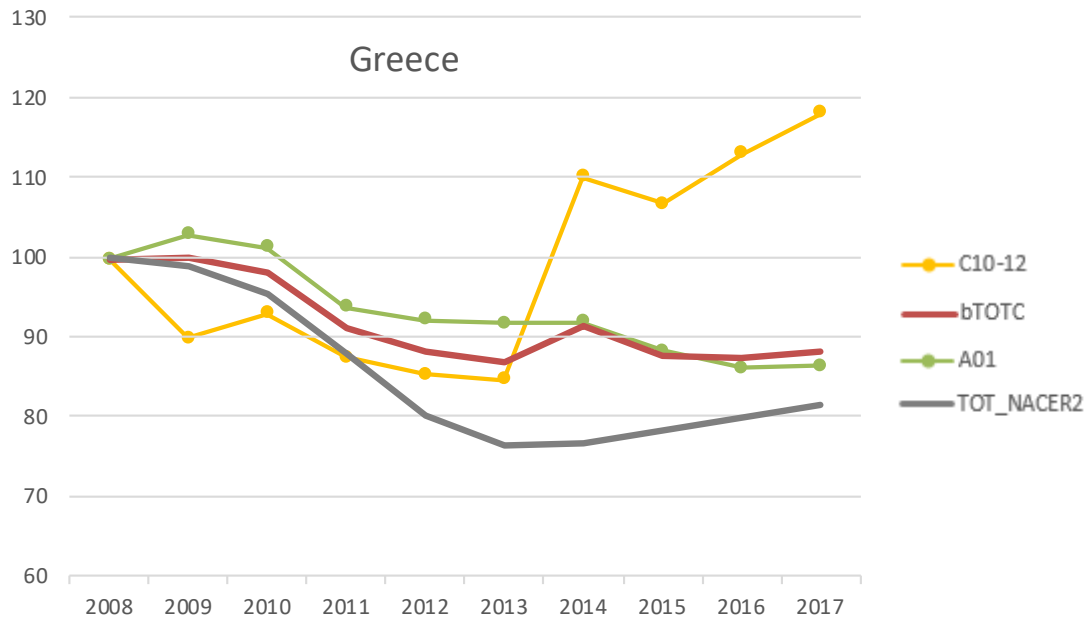


Development of sectorial value added in the bioeconomy (EU...  
(million €)



# The bioeconomy in time of crisis

## Employment trends (base year 2008 = 100)



<https://datam.jrc.ec.europa.eu/datam/public/pages/index.xhtml>

# The bioeconomy in time of Covid crisis

## Feedback from a French region

### **Strengths** of regional bio-based value chains

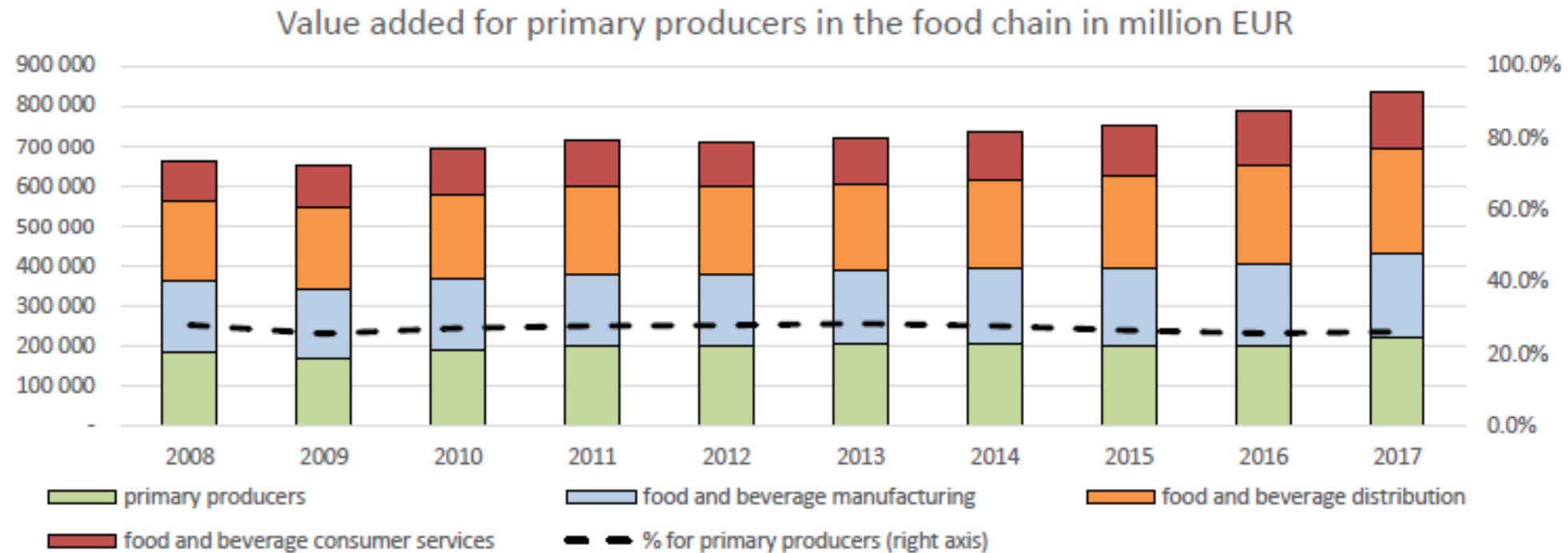
- Proximity to biomass sourcing
- Proximity to consumer markets
- Feedstock production coupled with food production
- Image of sustainable and safe products

### **Adaptations** to the Covid crisis

- Relocalisation of supplies vs. imports
- Solidarity across the value chain (e.g. in advance payments)
- Increasing demand in bio-based hydroalcoholic solutions and disinfectants

# Wealth distribution in the EU Bioeconomy

## The case of the food chain

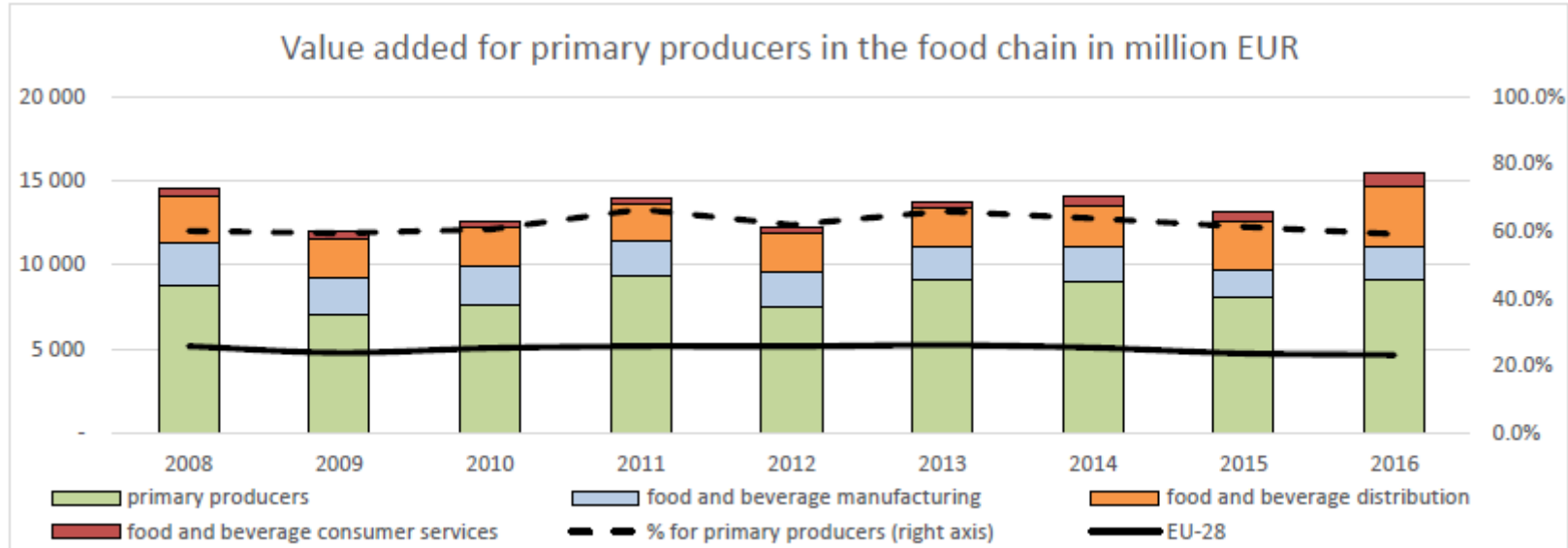


Source: EUROSTAT

# Wealth distribution in the EU Bioeconomy

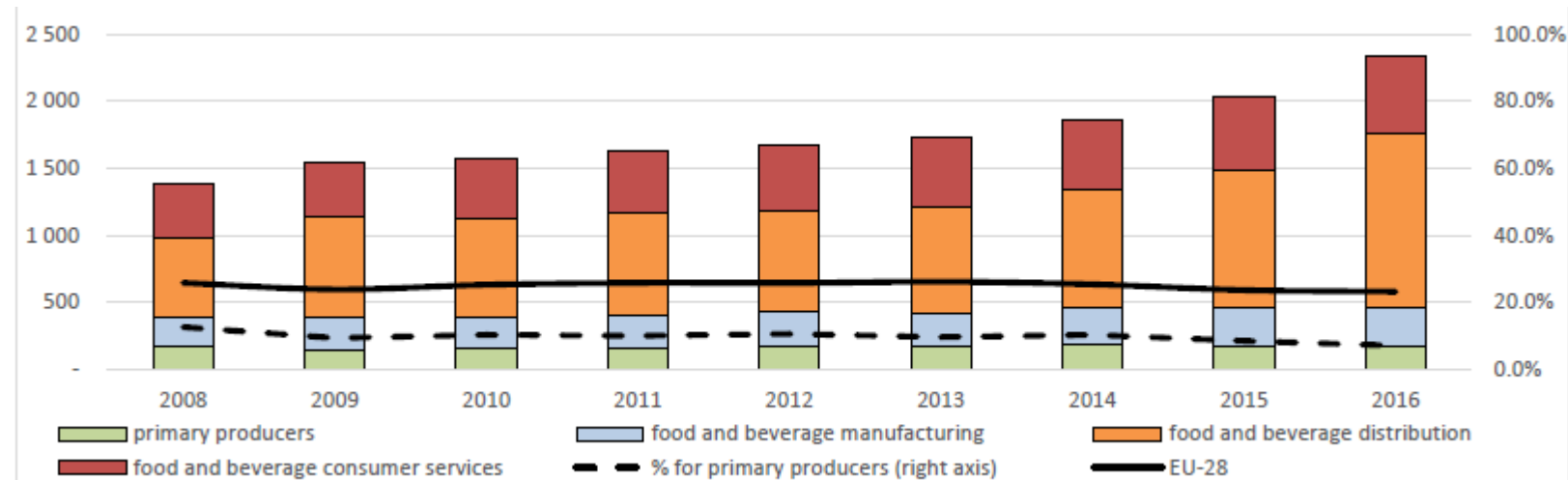
## The case of the food chain

Romania



Source: EUROSTAT

Luxembourg



Source: EUROSTAT

# Inequalities in the EU bioeconomy

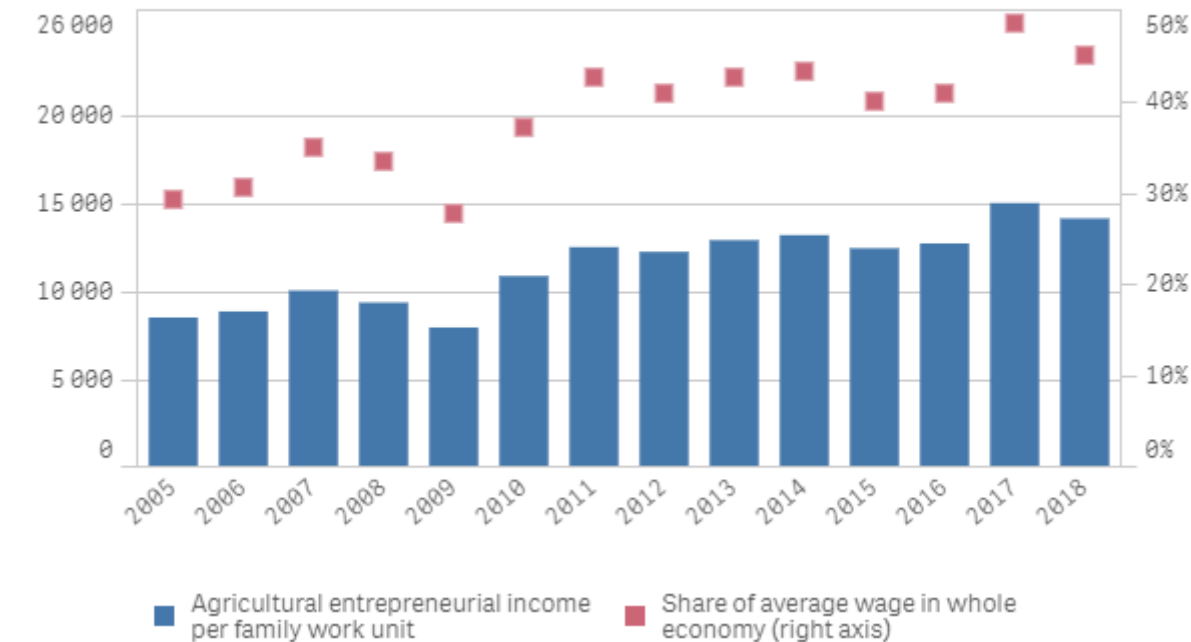
## The case of rural areas and farmer's income

Poverty rate in rural areas (%)



Farmers' income compared to wages in the rest of the economy

(EUR/family work unit, real terms)



# Keep in touch



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# Thank you

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