Prices and margins formation in pork industry













Methods and results of the

French Observatory on prices and

margins formation of food products

Presentation to

The Meat Market Observatory

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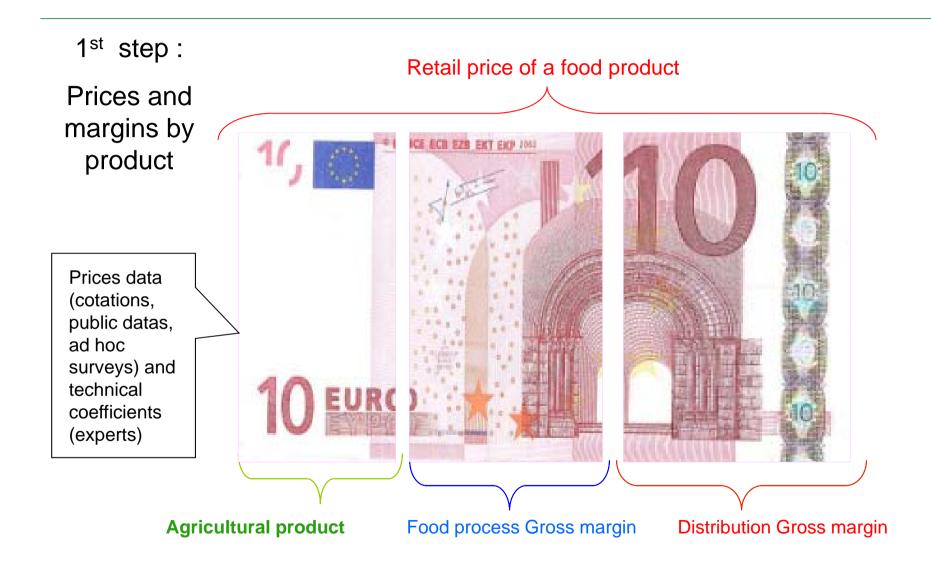
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# Objectives, context, organization

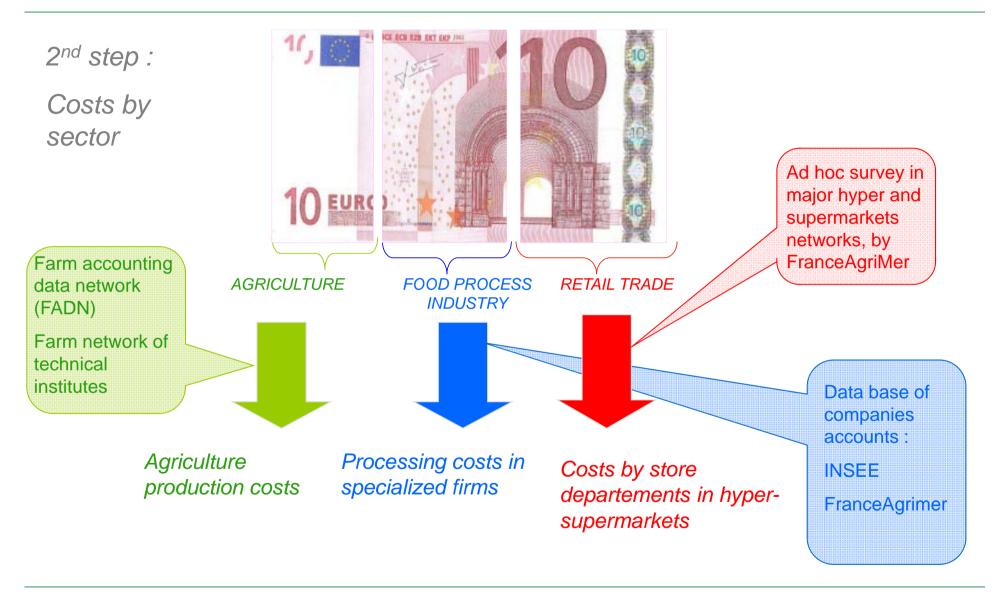
Objectives
■ Measure and explain the differences of values at every stage of the agri-food chain
□ Produce informations shared by all stakholders (about sensitive subject), in order to improve
relations in food chains
Context
□ Agricultural crisis, volatility of prices : costs transmission, divergent variations of the upstream
and downstream prices
■ Retail trade concentration
□ Legislation (2008: "law of modernization of economy", pro-competition, market-oriented; 2010:
"law of modernization of agriculture": adaptation to CAP reform and volatility)
Organization
□ Statistical and economic working project associating several organizations, not a new
government service, not an authority of control of companies
□ Orientation and validation of the studies: interprofessional steering committee, independent
president (academic), technical direction (management): FranceAgriMer

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### General method



### General method



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# Methods for pork industry: 1/ products and chain model

- ☐ Products chain: from entry slaughterhouse to a sample of products of fresh meat an ham at retail level (total: about 40% of pork meat)
- 1) Pork loin (chops, roast or fillet): processing industry sale unit, shop sale unit
- 2) Boiled ham (average basket of differents qualities)

#### ☐ Prices:

At retail level: Kantar Worldpanel

At process industry level: ad hoc survey (Insee for FranceAgriMer)

At agri. production level: public cotations (FranceAgriMer), price entry to the slaughterhouse)

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# Methods for pork industry: 2/ costs

#### Agriculture

- 1) FADN: costs structure of porcine meat specialized farm, from accounting data (yearly, 2-years delay)
- 2) Technical institute (« Institut du Porc- Ifip ») : average production cost per kg of carcass in porcine meat farms (breeders-fatteners); cost including calculated compensations for non-salaried labour and capital (yearly, 1-year delay)

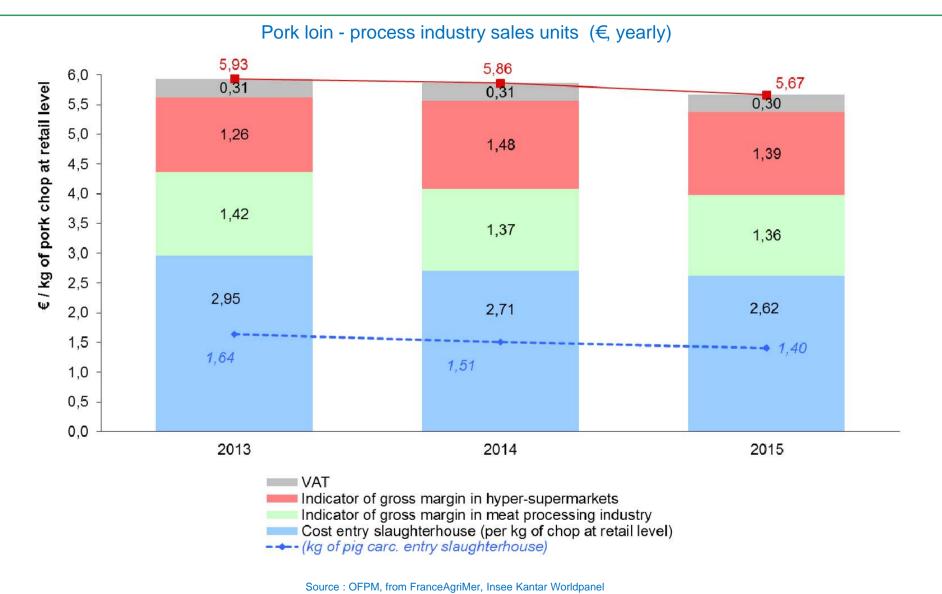
#### Processing industry

- Costs structure in porcine meat 1<sup>st</sup> processing industry (slaughtering and cut): Insee (national statistic service) data base of companies accounting (yearly, 2 or 3-years delay),
- 2) Costs per kg of carcass processed in porcine meat 1<sup>st</sup> processing factories : panel of enterprises, FranceAgriMer (quaterly),
- 3) Costs structure in porcine meat 2<sup>nd</sup> processing industry (boiled ham): from Banque de France

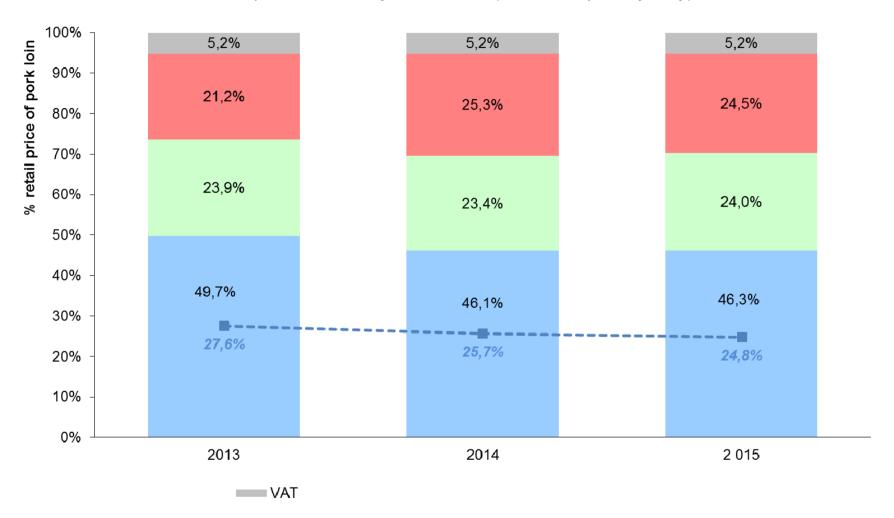
#### ■ Super and hypermarkets chains

Accounts by department of fresh food: butcher (porcine and other fresh meat), deli, (cooked pork) poultry, dairy, fruits and veg, bakery, fish): ad hoc survey by FranceAgriMer in 7 majors networks (yearly, 2-years delay)

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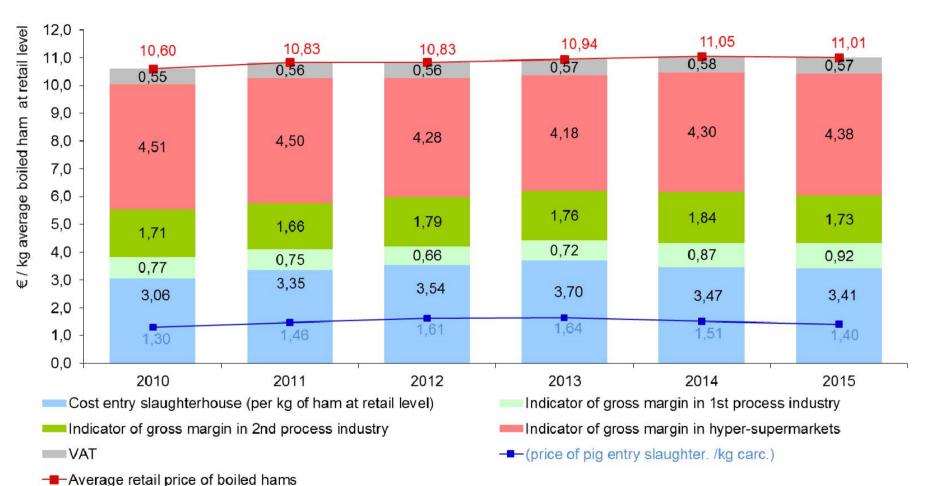


#### Pork loin - process industry sales units (% of retail price, yearly)

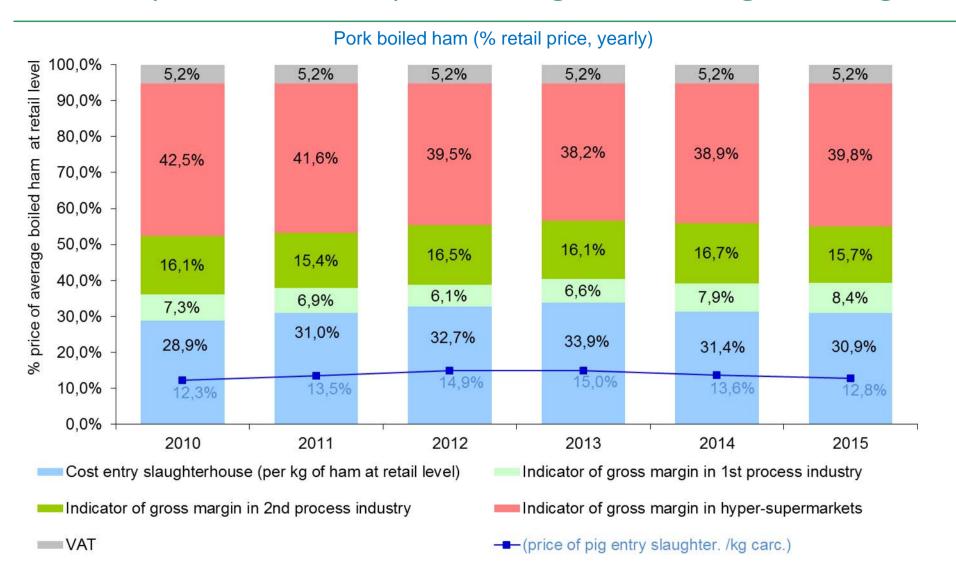


Source: OFPM, from FranceAgriMer, Insee, Kantar Worldpanel





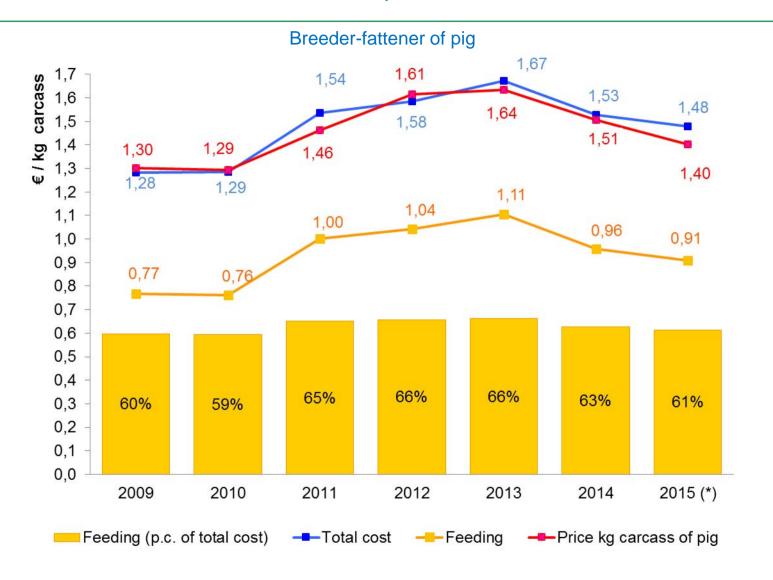
Source: OFPM, from FranceAgriMer, Insee, Kantar Worldpanel



Source: OFPM, from FranceAgriMer, Insee, Kantar Worldpanel

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☐ Costs in meat porcine processing industry

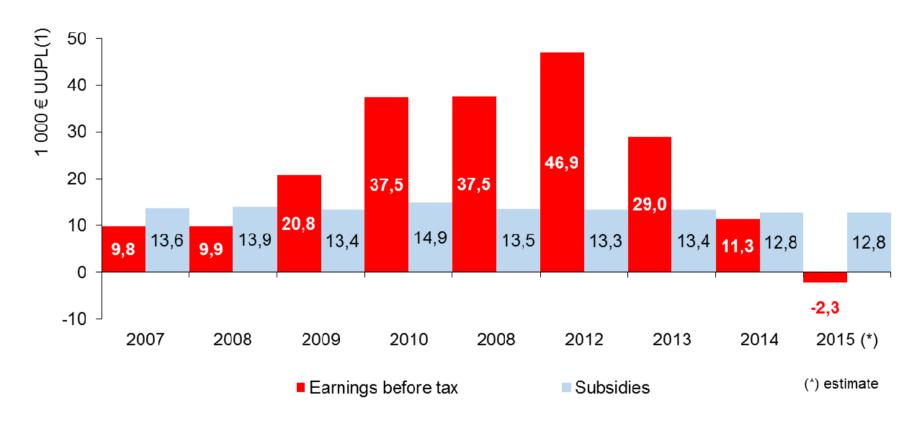
### Production costs in porcine meat farms



Source: Institut du porc (Ifip) for OFPM

### Production costs in porcine meat farms

Average income befor tax per unit of unpaid labour in french specialized porcine meat farms

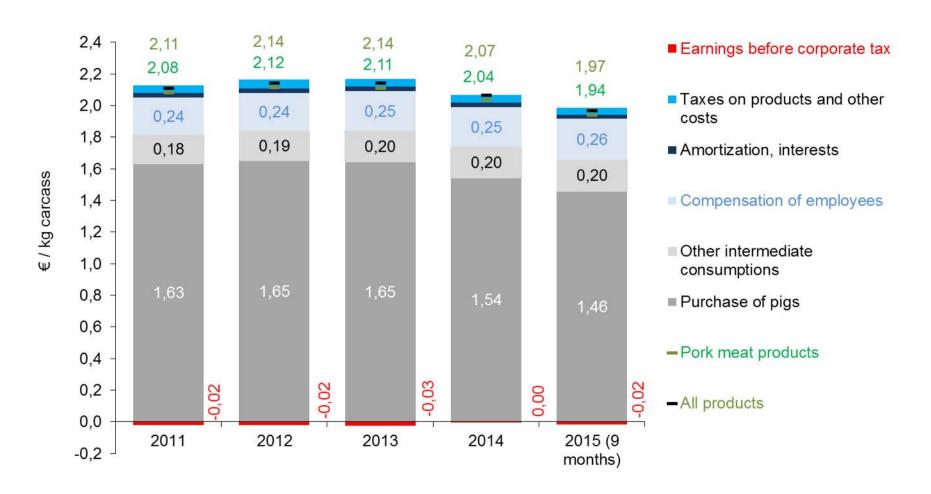


(1) Unit of UnPaied Labour

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### Costs in porcine meat processing industry

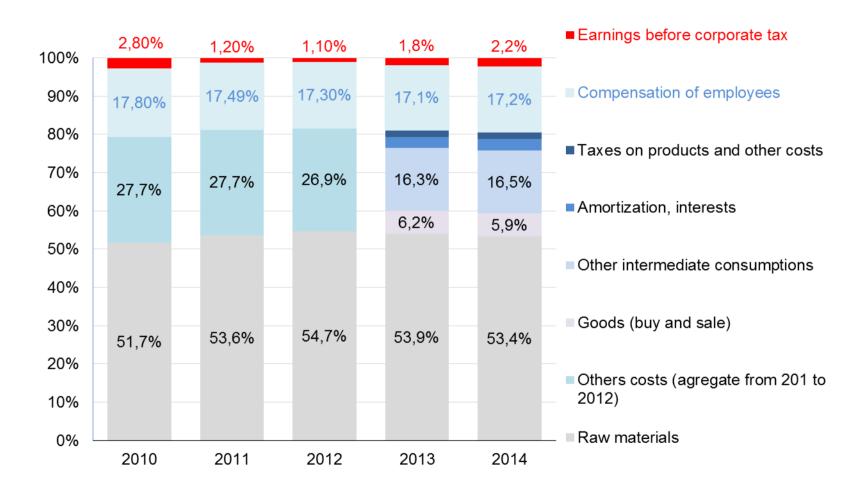
#### Costs in pork 1<sup>st</sup> processing industry per kg of carcass



Source: FranceAgriMer, panel of companies, for OFPM

### Costs in porcine meat processing industry

#### Costs in pork 2<sup>nd</sup> processing industry (for ham), % products values



Source : Banque de France

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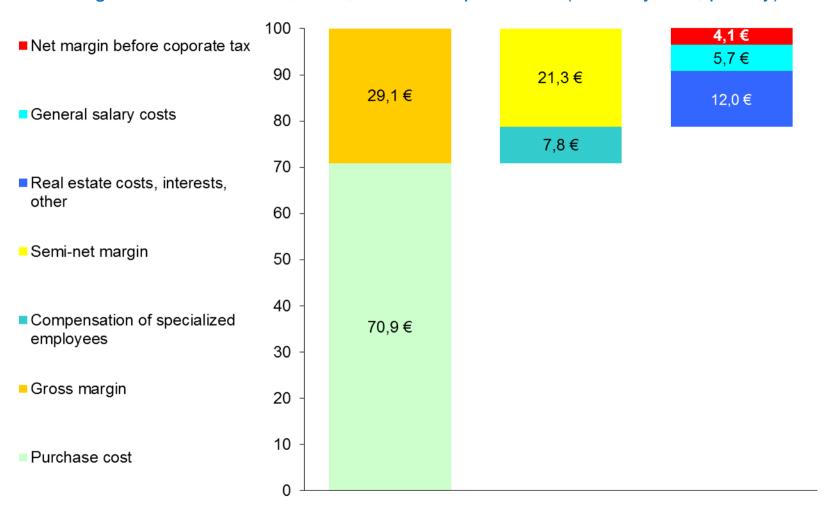
#### Methods and limits

- Perimeter of the costs and receipts: retail shops + central purchasing services, not all group:
- sales of products in <u>retail shops</u> (hyper and supermarkets);
- purchase of products by <u>central purchasing service;</u>
- costs in the shops: intermediate consumptions, employees, ..., etc. <u>including</u> services provided by others companies of the group (real estate, logistic...), generating profits for the group
- costs in the central purchasing services (idem)

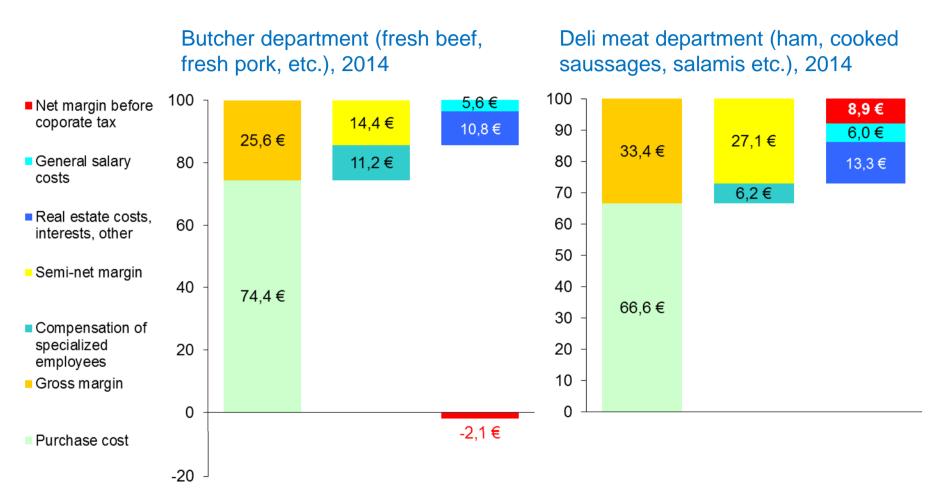
The « net margin » is not a consolidated profit of the group

- ☐ Survey in the management of 7 french major supermarkets and hypermakets chains
- ☐ Distribution of general costs between departements : companies reporting or keys (sales, surface, ...).

#### Average for € 100 of sales, 2014, all meat departments (butchery, deli, poultry)

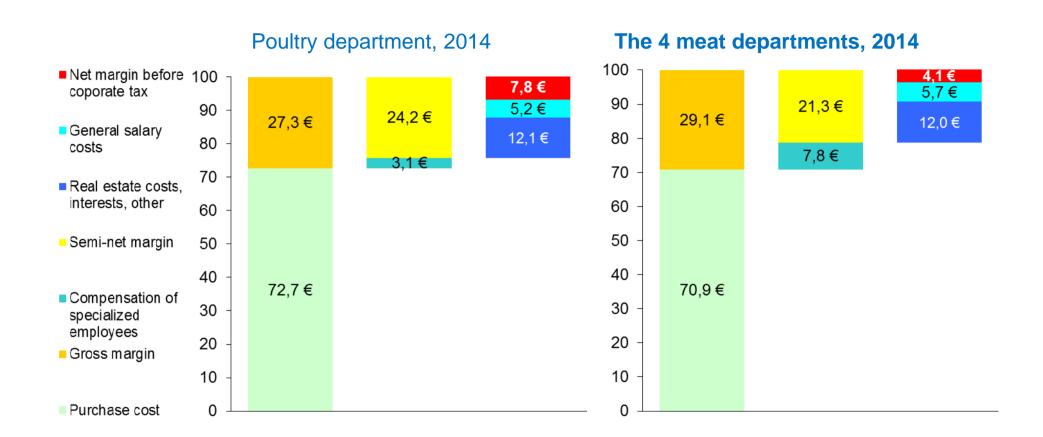


Source: OFPM, FranceArriMer: annual survey in major supermarkets and hypermarkets chains



For € 100 of sales

Source: OFPM



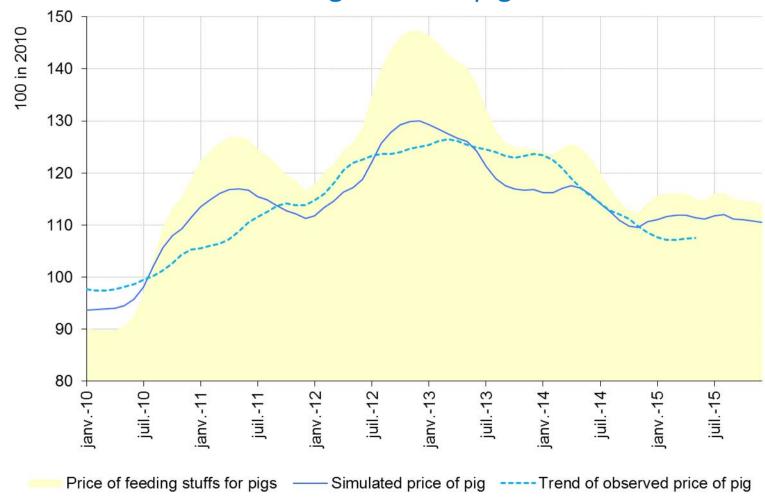
For € 100 of sales

Source: OFPM

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### Other studies

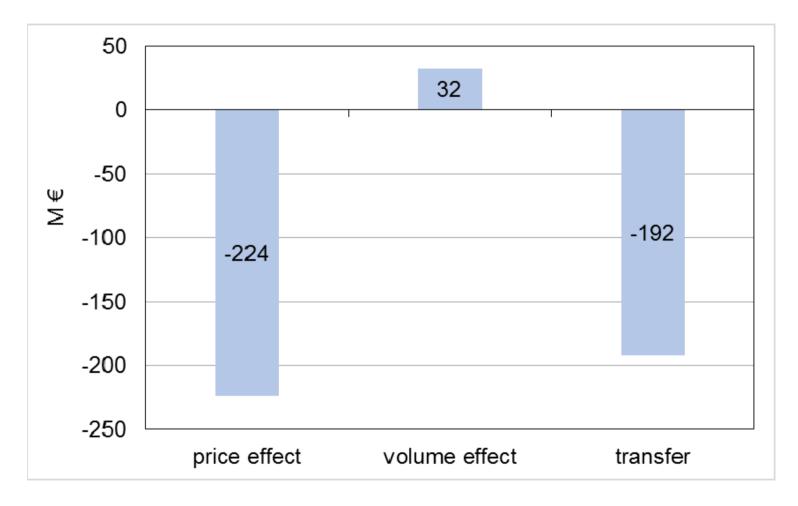
### Prices transmission: feeding stuff and pig



Source: OFPM, from FranceAgriMer, Kantar Worldpanel, Insee

### Other studies

### Receipts variations 2014-2015 in production of pigs

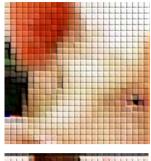


Source: OFPM, from FranceAgriMer, SSP

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### Conclusion, limits, improvements

- Decreasing retail prices with decreasing production price in 2015
- Impacts of production prices changes are cushioned by the industry of processing and the retail trade (ham)
- Variation gross margin for meat industry: depends on products...
- Net margin for 1<sup>st</sup> processing pork industry negative or zero since 2011...
- Net margin in meat departments of super and hypermarkets: equalization between "butchery" (negative), "poultry" and "deli" (positives)...
- Limits of method: availability of adapted data (costs of surveys vs budgetary considerations), delays to obtain data, accounting standards, business confidentiality...
- Improvements (under limits above...): other products of pork?



# Questions?









Thank you

