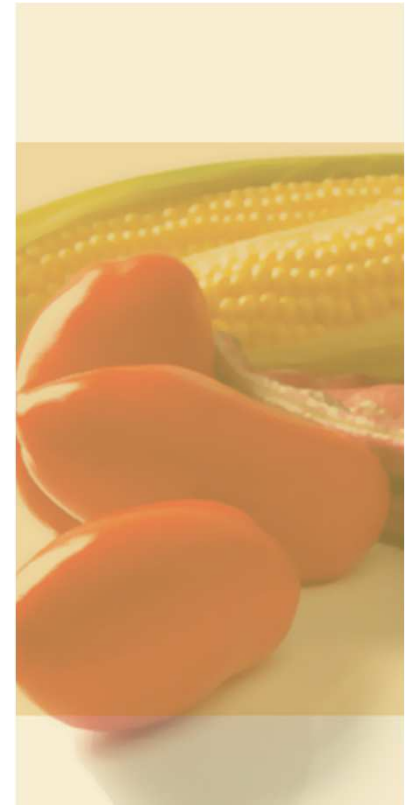




VALFRUTTA: SECTOR EPD PROJECT

Pietro Crudele

EPD Stakeholder conference
Bologna, 4 June 2013



CONSERVE ITALIA - MAIN BRANDS



Nectars, fruit juices, vegetable preserves, canned fruit, tomato preserves, fresh cut vegetables



Vegetable preserves, tomato preserves



Nectars, fruit juices, functional drinks, soft drinks



Nectars, fruit juices, tomato preserves, vegetable preserves, canned fruit and jams



Canned fruit, compotes of fruit, janus, chocolate cream



Tomato preserves, vegetable preserves, ready sauces, vinegar, fresh cut vegetables



Nectars, fruit juices, functional drinks, soft drinks



Vegetable preserves, fruit preserves, tomato preserves (Ho.Re.Ca.)

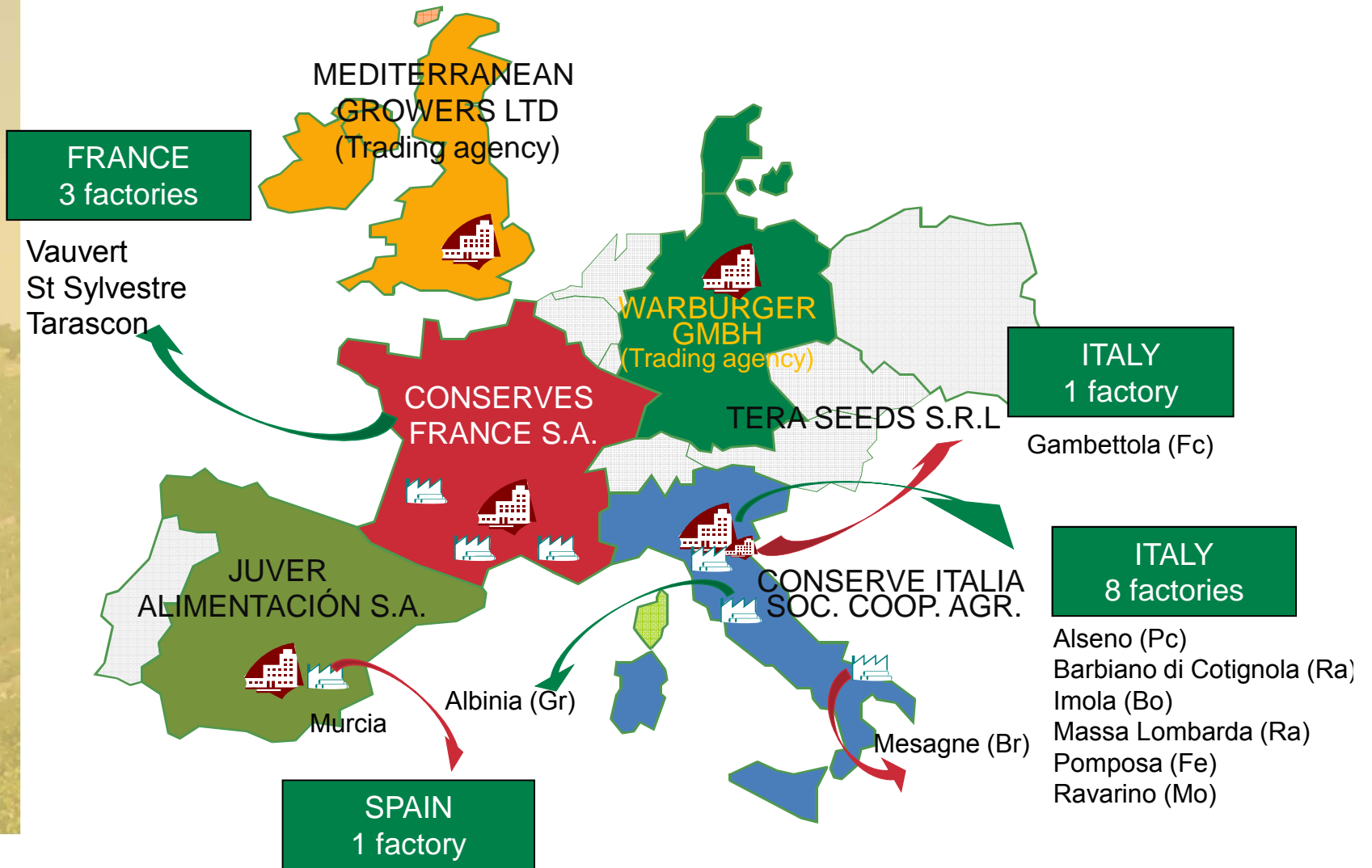


Nectars, fruit juices, functional drinks, soft drinks



Fruit preserves, vegetable preserves, frozen vegetables (Ho.Re.Ca.)

COMPANIES AND FACTORIES IN EUROPE



PRODUCT CERTIFICATIONS



BRC - British Retail Consortium



IFS - International Food Standards



All factories



100% Italian Tomatoes



100% energia verde
(100% wind power)

VALFRUTTA PROJECT

Sector EPD approach

- development of an appropriate methodology for Sector EPD
- definition of required data, data collection procedures, sample selection criteria, etc
- LCA study on ALL Valfrutta products with the scientific support of CE.Si.S.P. (Centre for the Development of Product Sustainability)



VALFRUTTA PROJECT

Valfrutta products

- Tomato juices
- Vegetal juices
- Preserved Fruits
- Fruit juices



VALFRUTTA PROJECT

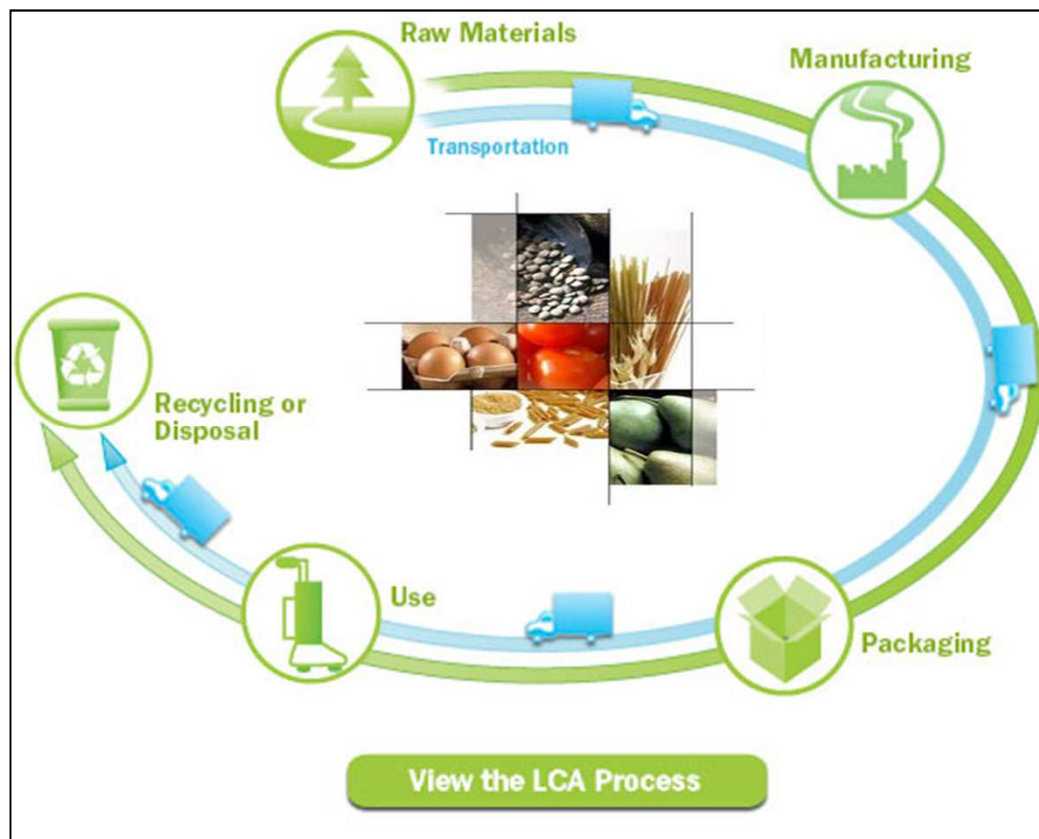
Just some numbers

- **120** Products analyzed
- **7** Plants involved
- **3** Packaging types



VALFRUTTA PROJECT

System Boundaries

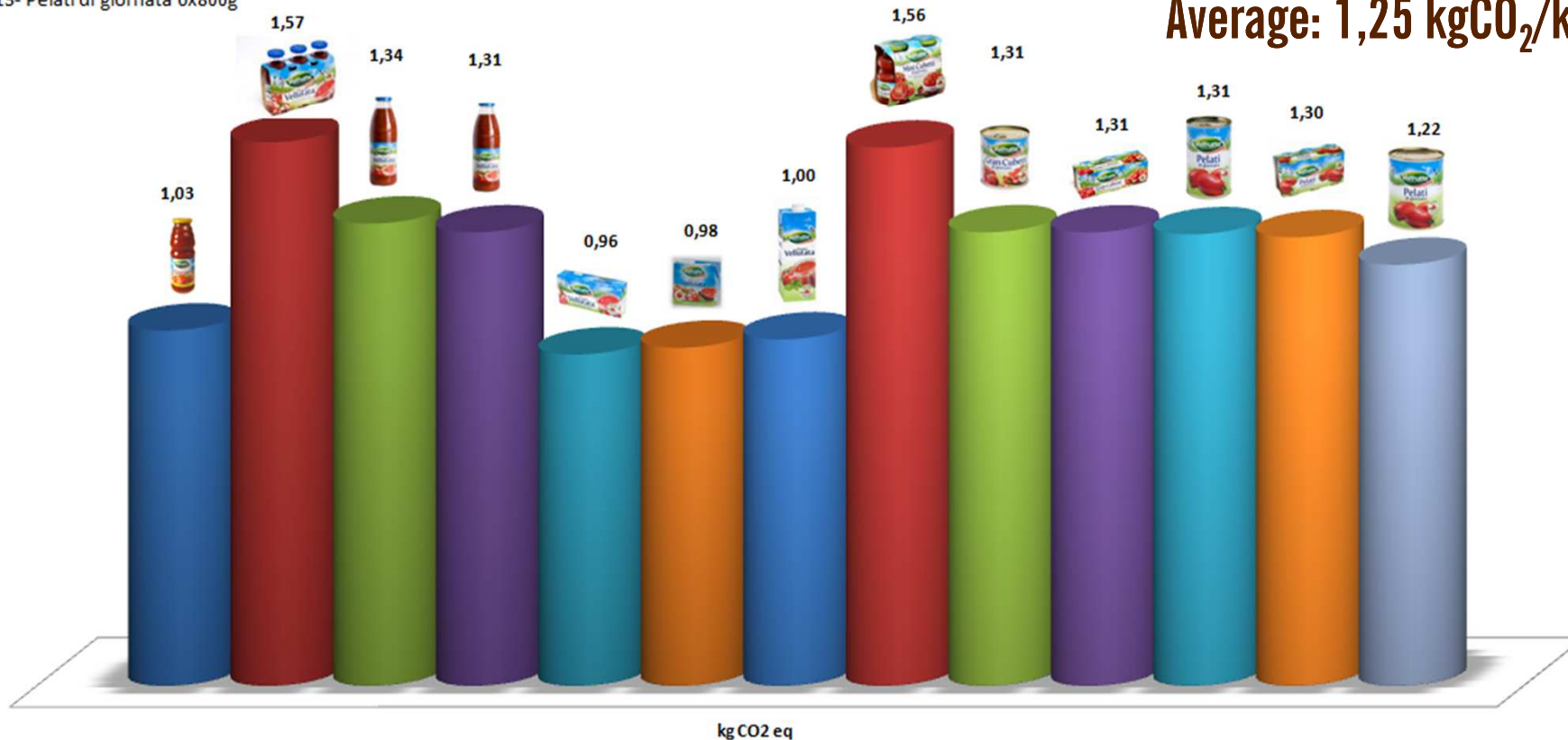


PRELIMINARY RESULTS

Carbon Footprint riferita ad 1 kg di prodotto confezionato nei diversi formati



- 1- Passata di giornata 12x700g
- 2- Passata vellutata cluster 4x3x350g
- 3- Passata vellutata 6x700g
- 4- Passata vellutata 12x700g
- 5- Passata vellutata cluster 8x3x200g
- 6- Passata vellutata 24x500g
- 7- Passata vellutata 12x1000g
- 8- Polpa mini cubetti cluster 6x2x330g
- 9- Polpa gran cubetti 12x400g
- 10- Polpa gran cubetti cluster 2x4x3x400g
- 11- Pelati di giornata 12x400g
- 12- Pelati di giornata cluster 2x4x3x400g
- 13- Pelati di giornata 6x800g



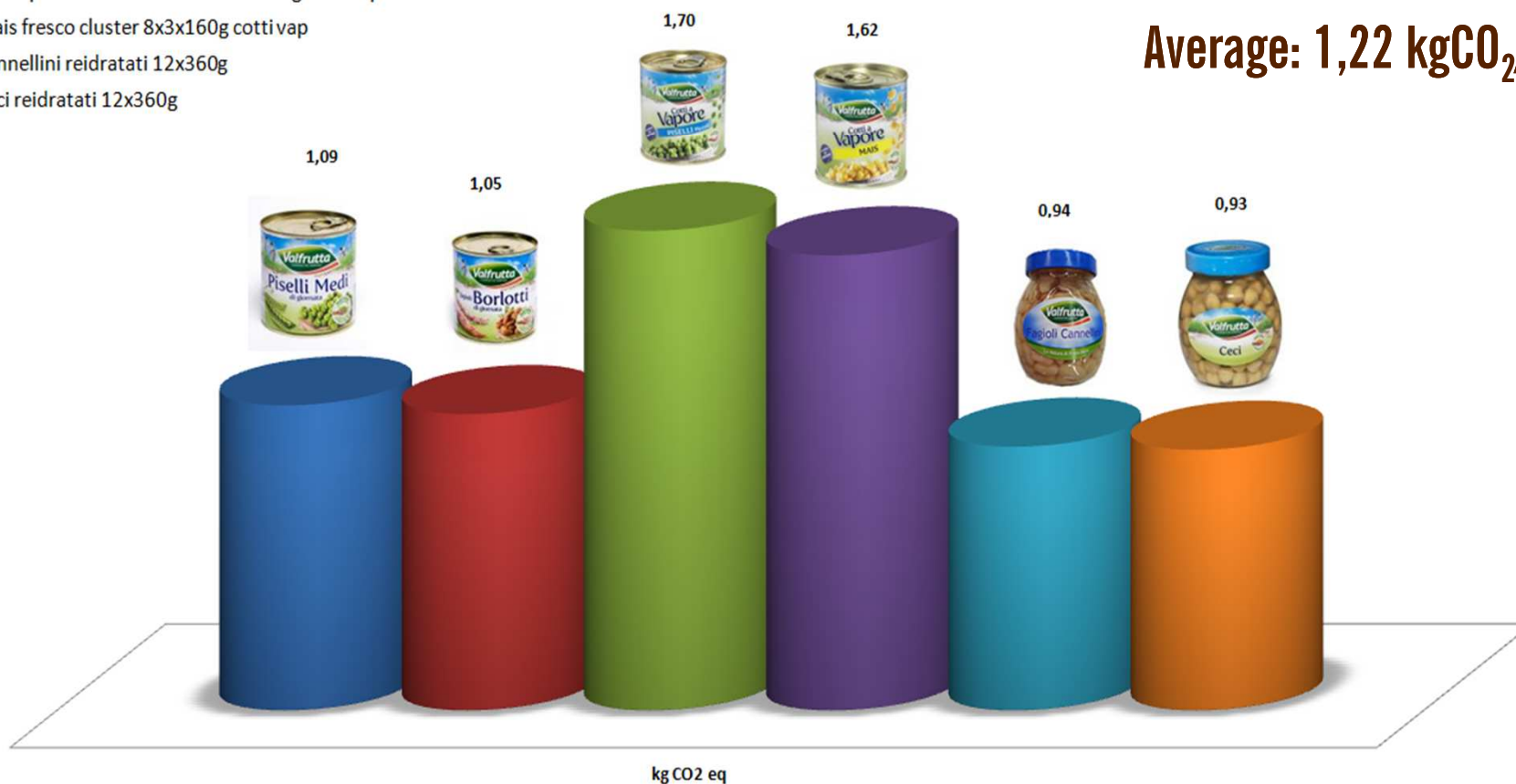
PRELIMINARY RESULTS

Carbon Footprint riferita ad 1 kg di vegetali confezionati nei diversi formati



- 1- Piselli medi freschi cluster 2x4x3x410g
- 2- Borlotti freschi cluster 2x4x3x400g
- 3- Piselli piccoli freschi cluster 8x3x150g cotti vap
- 4- Mais fresco cluster 8x3x160g cotti vap
- 5- Cannellini reidratati 12x360g
- 6- Ceci reidratati 12x360g

Average: 1,22 kgCO₂/kg



CONCLUSIONS

- The intent of the research is to provide an example of formulation of a methodological approach for the redaction of an Environmental Product Declaration providing an **average environmental profile**
- The research highlights that a targeted analysis of the sample **representativeness** is required to support the robustness of the products selection
- The obtained results show that **glass** and **tin plated steel** packaging material production represents the life-cycle phase with the higher impact
- LCA represents an environmental management tool able to **communicate environmental information** by the Sector EPD following common rules targeted for a product-type declaration.