

# 7<sup>th</sup> Annual workshop of the EU Reference Laboratories for *E. coli*, Rome 8-9 November 2012

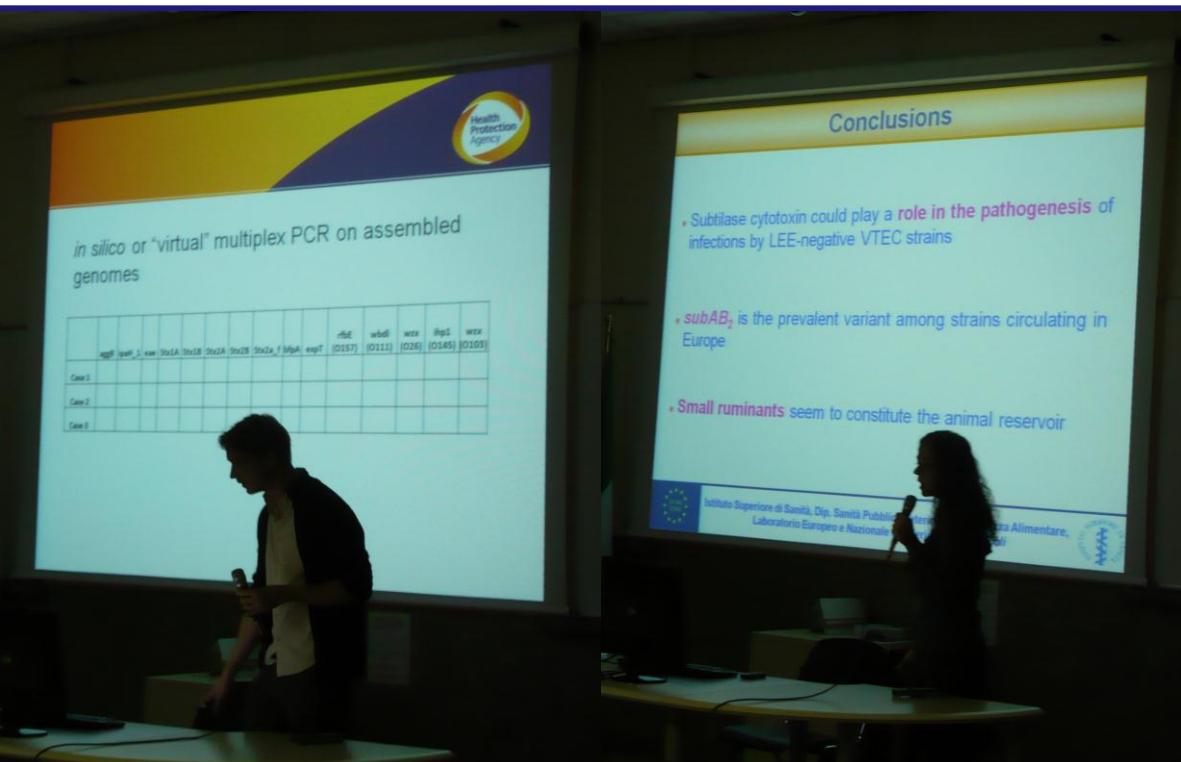


▲ **S. Morabito and A. Caprioli** (ISS, Italy)

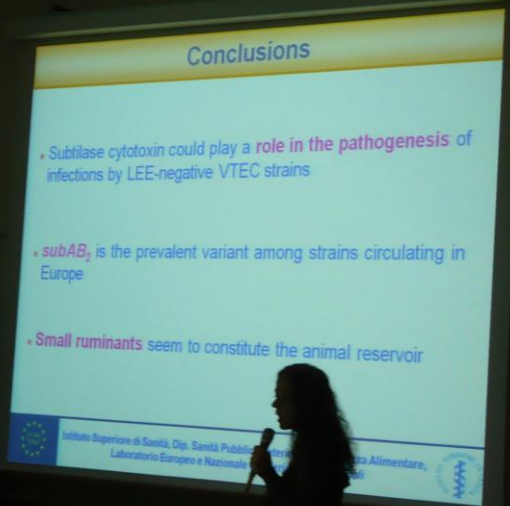
▼ **K. Grimstrup Joensen** (DTU Food, Denmark)



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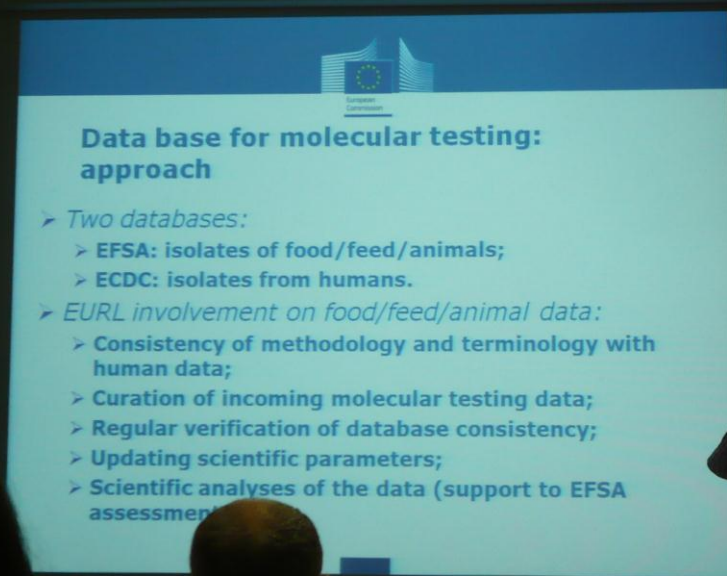


▲ T. Dallman (NRL, UK)



▼ V. Michelacci (NRL, Italy)





**Data base for molecular testing: approach**

- *Two databases:*
  - **EFSA:** isolates of food/feed/animals;
  - **ECDC:** isolates from humans.
- *EURL involvement on food/feed/animal data:*
  - **Consistency of methodology and terminology with human data;**
  - **Curation of incoming molecular testing data;**
  - **Regular verification of database consistency;**
  - **Updating scientific parameters;**
  - **Scientific analyses of the data (support to EFSA assessment)**

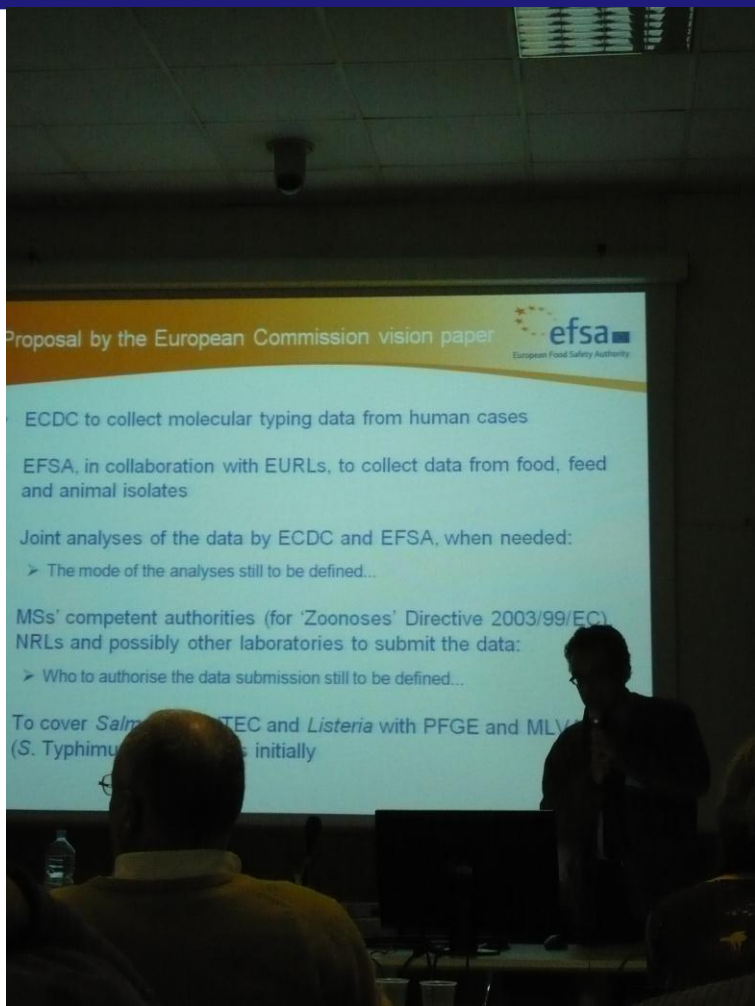


**Existing relevant networks**

- *Standing Committee on the Food Chain and Animal Health*
- *Network Committee under Decision 2119/98/EC*
- *EURL –NRL–official labs network*
- *EFSA Task Force for Zoonoses data collection*
- *ECDC Food-and Waterborne Diseases and Zoonoses (FWD) Network with the European Surveillance System (TESSy)*
- *Early warning systems*
  - *Rapid Alert System for Food and Feed (RASFF)*
  - *Early Warning and Response System (EWRS)*

▲ K. De Smet (EC)

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▲ P.-A. Beloeil (EFSA)

▼ S. Morabito (ISS, Italy)



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Social Dinner

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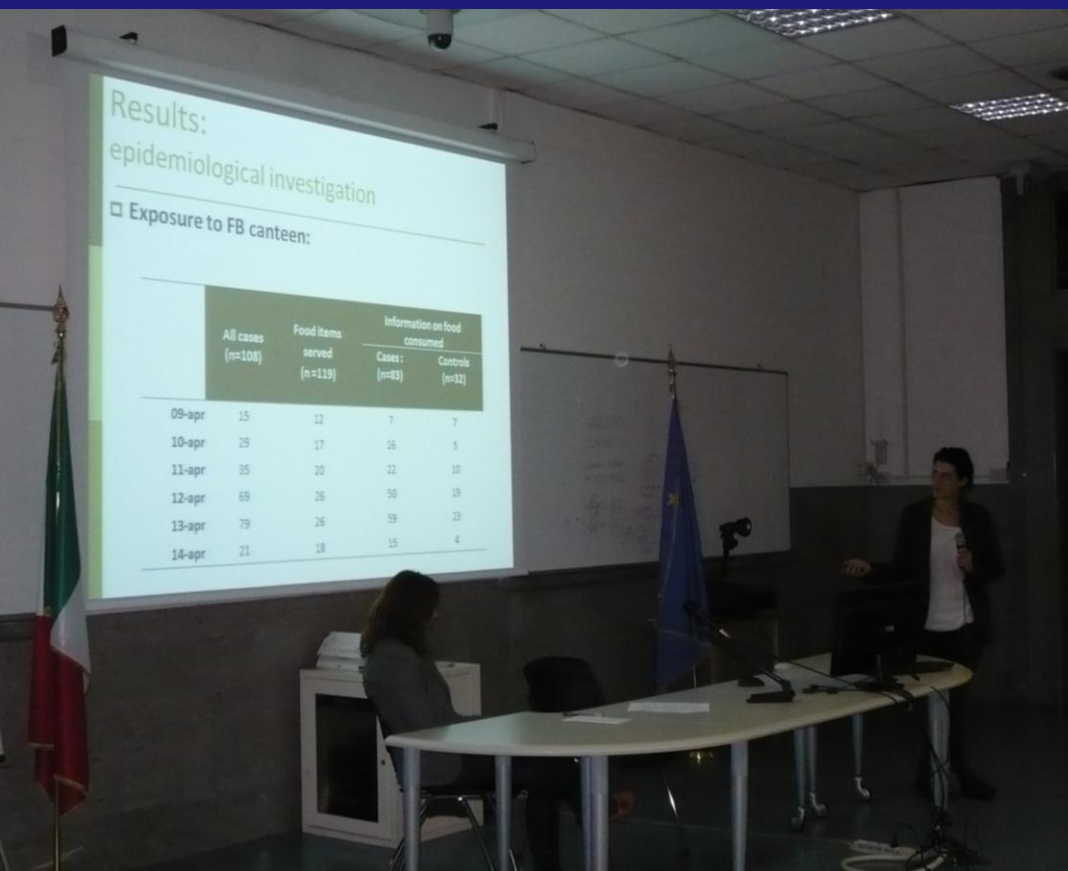


▼ F. Scheutz (WHO, Denmark)



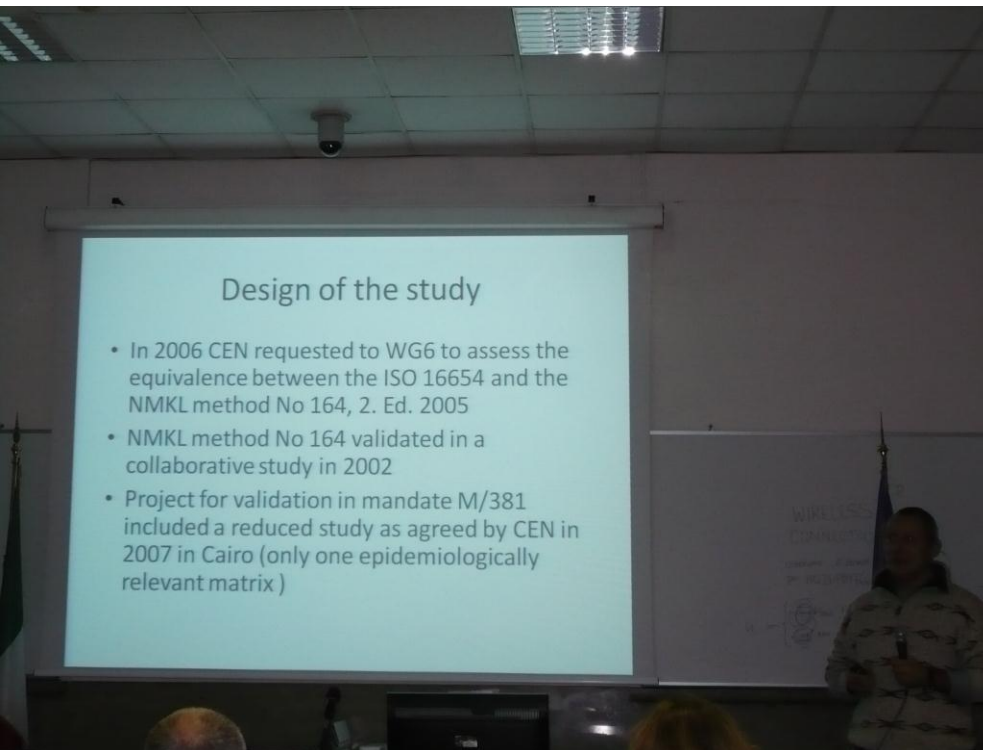
▲ E. Franz (NRL, The Netherlands)

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▲ M. Escher (NRL, Italy)

▼ S. Morabito (ISS, Italy)



▲ F. Scheutz (WHO, Denmark)



Results and discussion

→ Top 5 prevalence: 6/2476 (0,2 % CI<sub>95</sub> [0,09%- 0,5%])

- Low prevalence
- In accordance with previous results observed in France

Year	Type of minced beef	Top 5 prevalence
2007	Frozen (production)	0,3% (11/3000) CI <sub>95</sub> [0,2 - 0,5%]
2008	Frozen trims (production)	0,4% (15/4000) CI <sub>95</sub> [0,2 - 0,6%]
2009	Fresh (at retail)	0,1% (2/1927) CI <sub>95</sub> [0,04 - 0,5%]



▼ J. Boel (NRL, Denmark)

▲ E. Loukiadis (NRL, France)

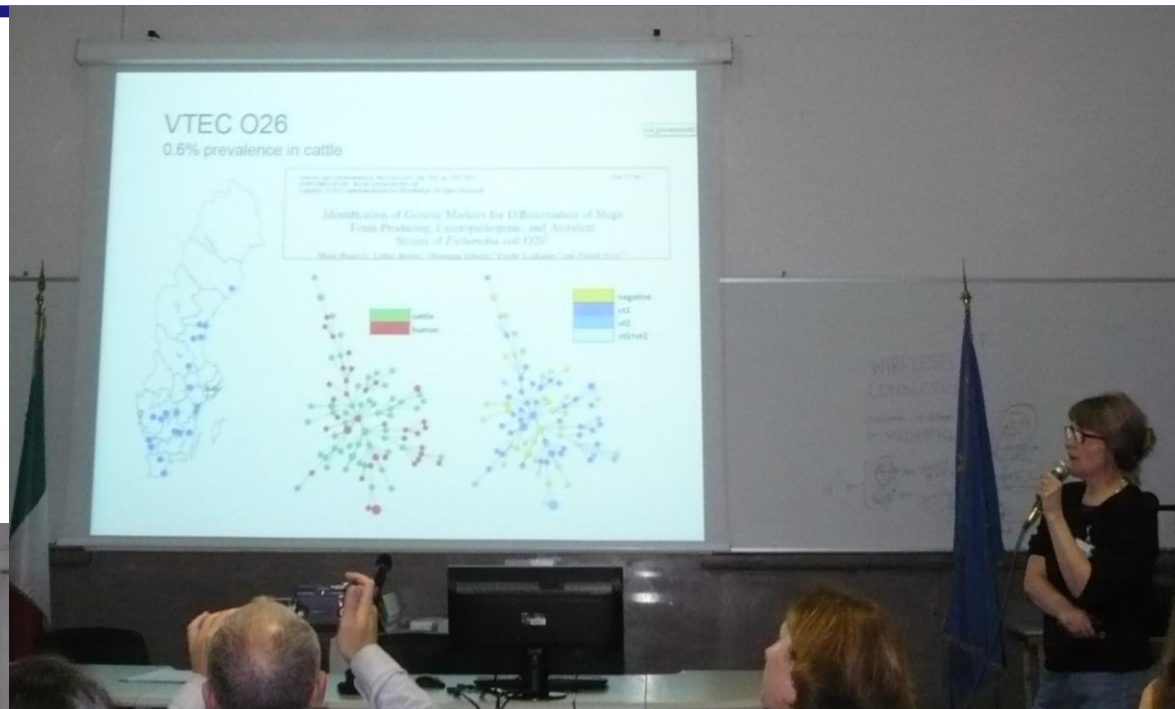
Screening of 312 samples of milk for VTEC related genes

Gene	vtx	vtx1	vtx2	vtx 1 + vtx2	eae	vtx + eae	O157	vtx + O157
% positive	19,6	5,6	10,6	3,5	32,7	11,9	8,0	1,3
CT mean		27,9	29,8	22,6	22,8			
SD		5,2	6,2	4,6	5,7			

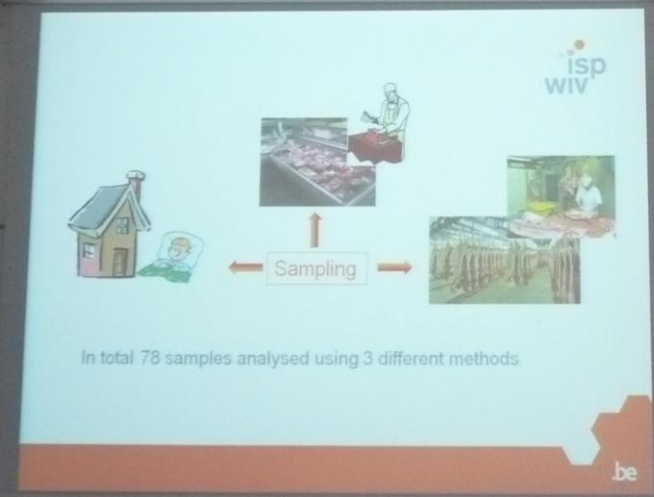
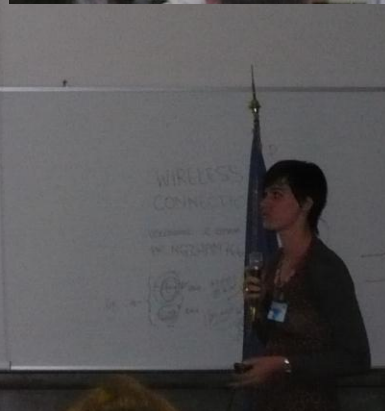
Sampling period: September to December



▼ S. Denayer (NRL, Belgium PHI)



▲ A. Aspan (NRL, Sweden SVA)





▲ P. Sekulovski (NRL, FYROM)



▼ K. De Smet (EC)



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▲ S. Morabito (ISS, Italy)

▼ R. Tozzoli (NRL, Italy)

