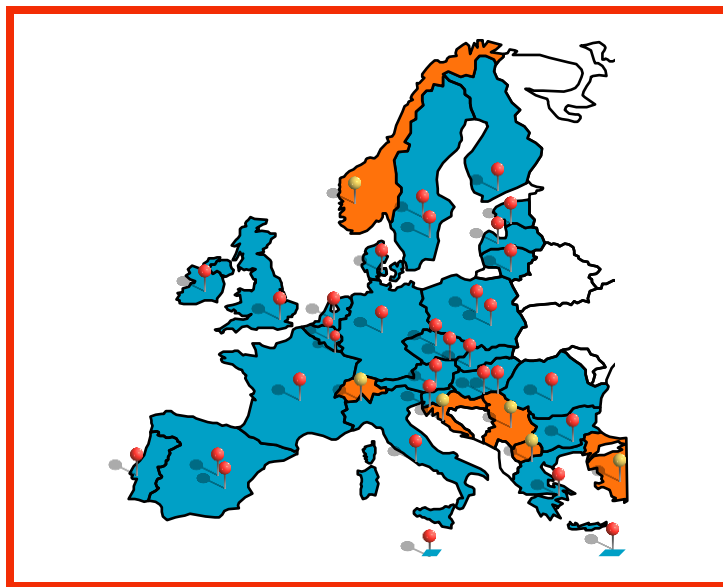




Summary of the Workshop



Update on the basic knowledge on VTEC

✓ VTEC genomics:

- ✓ *Many initiatives*
- ✓ *Public health applications*
- ✓ *Practical use in typing is on the waySNP Address, HReVAP...*

✓ Evolving epidemiology:

- ✓ *Increasing importance of VTEC O26*
- ✓ *New reservoirs / routes of transmission ?*
 - ✓ *Animal contact, Person-to-person for O26, prolonged shedding*
 - ✓ *Role of top soil improvers ??*

Update on the basic knowledge on VTEC

- ✓ The 9th International Symposium on STEC/VTEC infections (VTEC 2015)
 - ✓ O157 SNP address
 - ✓ STEC diversity
 - ✓ Role of phages
 - ✓ Antibiotic treatment of carriers ?

- ✓ The 10th International Symposium on STEC/VTEC infections (VTEC 2018)
 - ✓ *We look forward to seeing you in Florence !!!*



To establish and consolidate the Team of EU Reference Labs

PREPAREDNESS

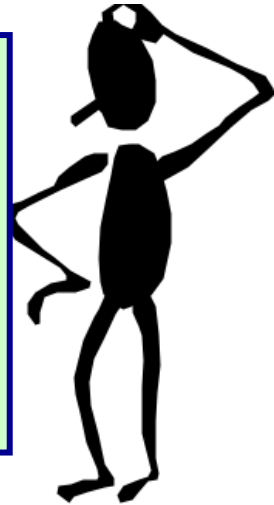
- ✓ New VTEC types continue to emerge
- ✓ Increased controls (and disputes) on food
- ✓ Molecular surveillance of VTEC infections in the EU
- ✓ Needs of molecular typing of VTEC detected in food and animals
- ✓ From PFGE to NGS ????

PREPAREDNESS – Detection of VTEC in food

- ✓ The standard method ISO/TS 13136:2012 for the detection of VTEC in food is now used by 70% of MS providing data on VTEC to EFSA (41% of the reported samples)
- ✓ PT14 and PT15 results indicated that nearly all the European NRLs are now able to apply correctly the ISO/TS 13136:2012 for VTEC
- ✓ NRLs should play a leading role in building the OL capacity in their own countries (Training, Ref. Materials, PT organization ...)

Detection of VTEC in food

**How to increase our rate of VTEC
isolation from PCR-positive samples
???**



- ✓ **Need to improve the enrichment and isolation steps**
 - ✓ **Acid treatment ?**
 - ✓ **Plating different enrichment broth dilutions**
 - ✓ **.... On different selective plates**
 - ✓ **Wich supplements (if any) ??**

VTEC ARE AN HETEROGENEOUS GROUP OF BACTERIA !

Revision of ISO/TS 13136:2012

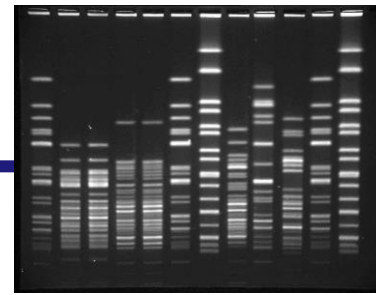
✓ Roadmap:

- ✓ 7 November 2015: 3 years from publication
- ✓ CEN/TC275 WG6 2015 general meeting: revision agreed
- ✓ Early 2016: launch of the call for experts
- ✓ First meeting of the Group in mid 2016 ?

✓ Issues:

- ✓ Enrichment
- ✓ Stx variants
- ✓ Performance data
- ✓ Isolation procedure ???

Molecular typing data bases



- ✓ The joint (**ECDC – EFSA**) project on a data bases for molecular typing of foodborne pathogens is going ahead
- ✓ EFSA is concluding the preparative work for the data collection system
- ✓ Training and EQA provided by the EU-RL to the NRLs represent a robust basis for data collection

Thank you and

**... ARRIVEDERCI
to 2016 !!!**

