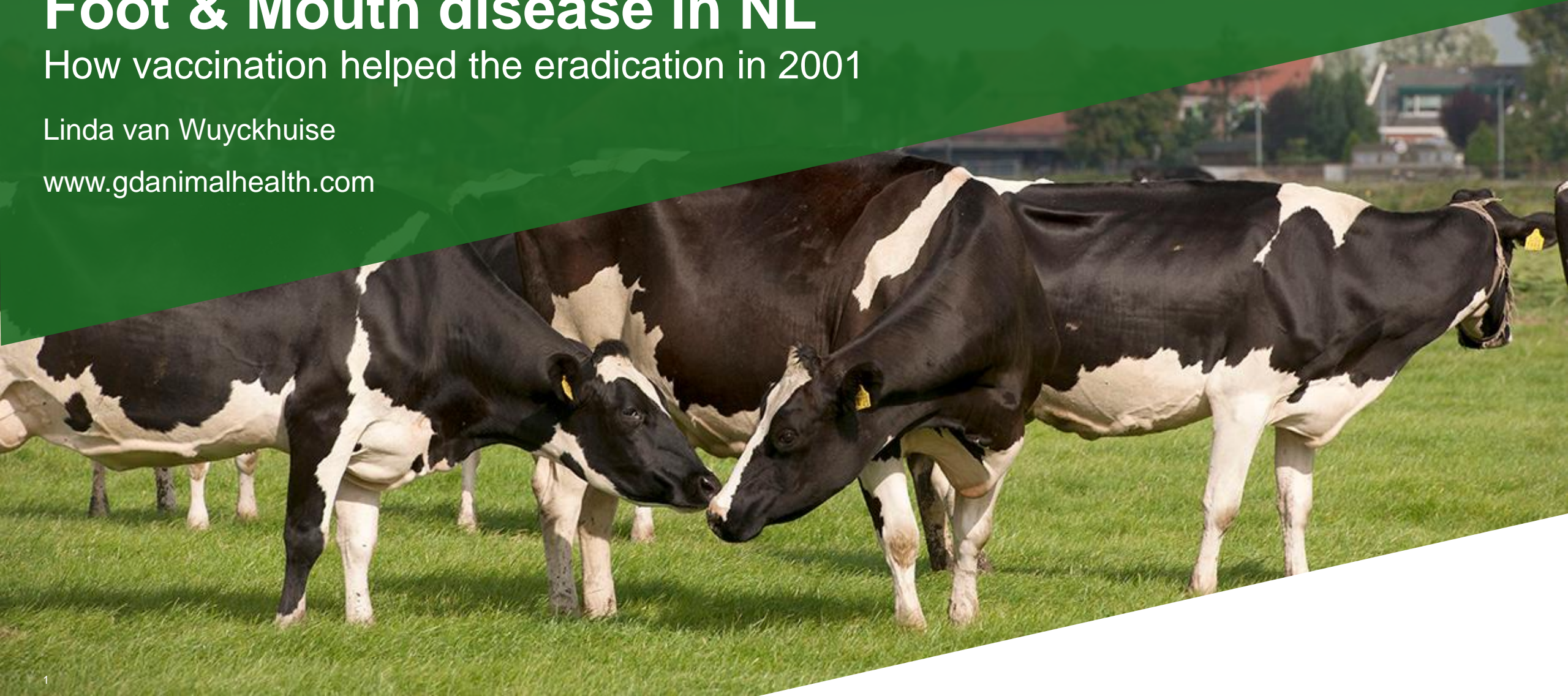


Foot & Mouth disease in NL

How vaccination helped the eradication in 2001

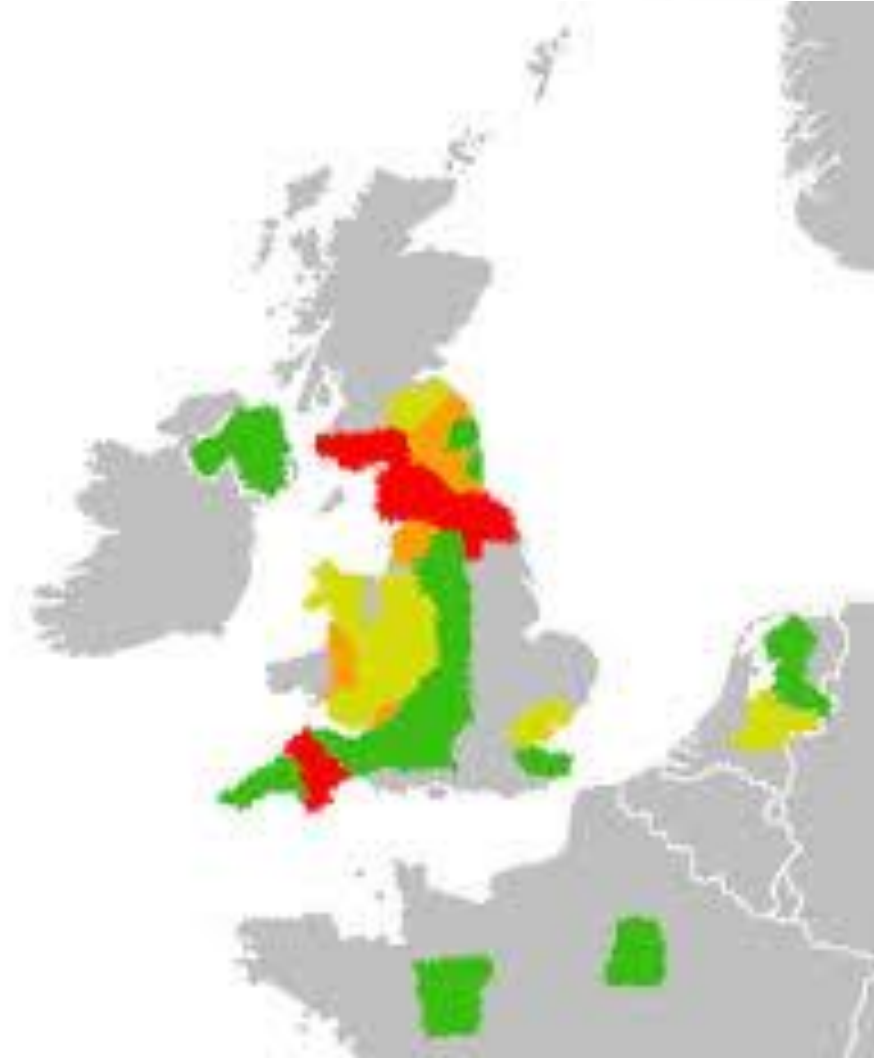
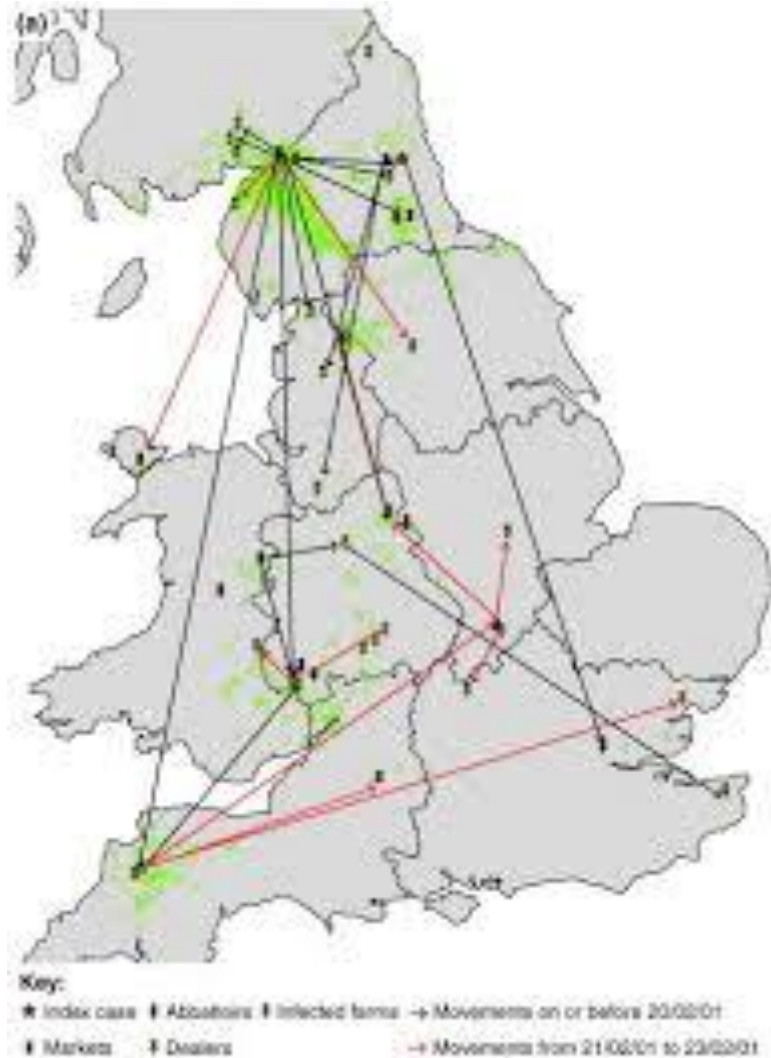
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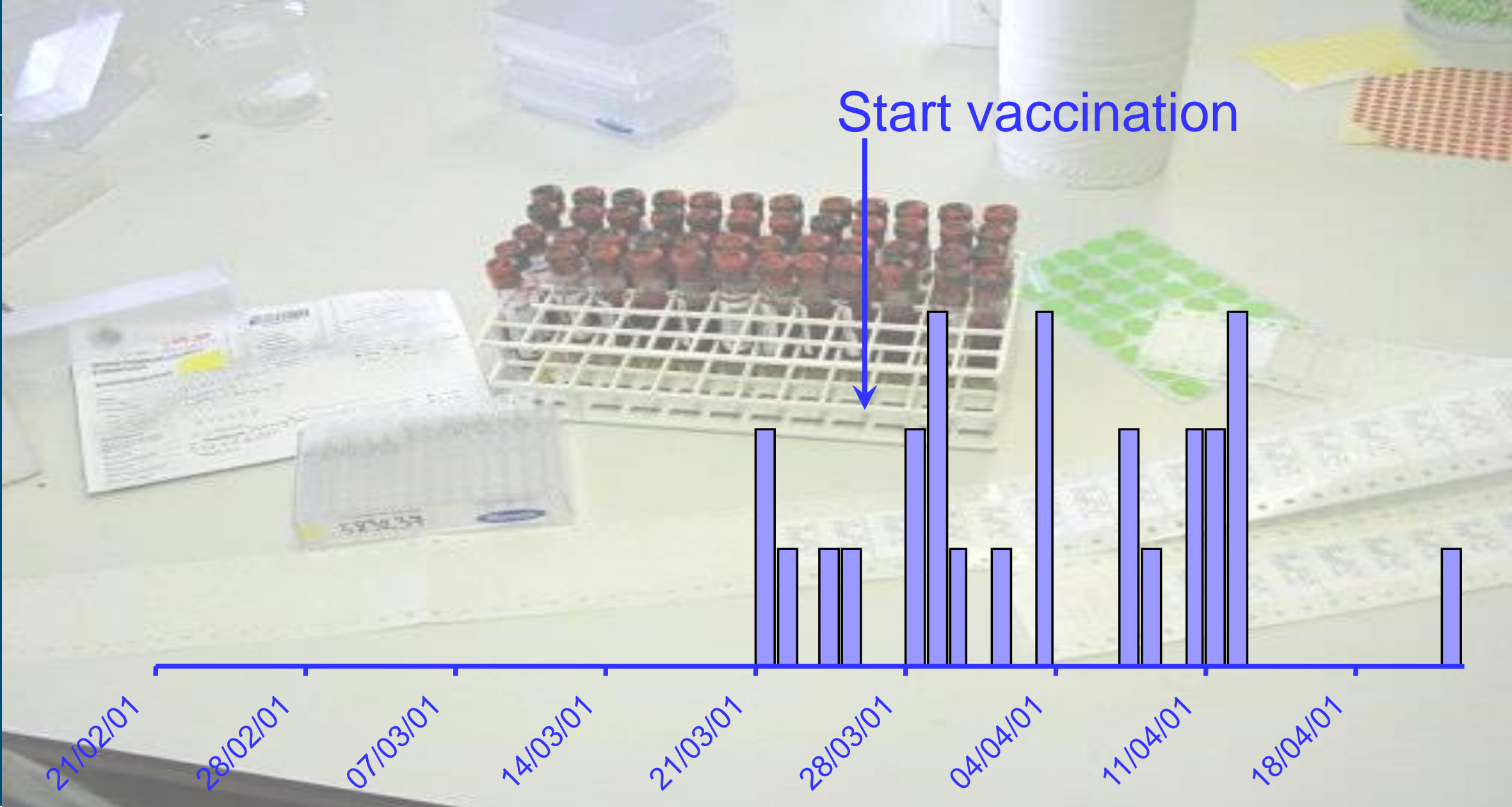


Foot & mouth disease: spread in 2001

- UK 2001



NL FMD 2001



Vaccination zone and 10 km surveillance zone

Vaccination:

- Start on 26 March
- Possibly already 6 FMD cases
- Borders vaccination zone:
 - River ijssel; railway; forested area

Surveillance:

- Clinical inspection of all farms
- Serology on selected farms
- Low number of samples because of culling of vaccinated animals



UK

- First case in EU: unexpected
- At detection possibly 40 herds already infected
- No preventive culling at start of epidemic

- No-vaccination
- ± 2000 cases
- ± 10,000,000 animals culled
- FMD free by October 2001

The Netherlands

- Alert and movement restrictions
- At detection possibly 6 herds already infected
- Immediately preventive culling UK imports, 1km zone and contact herds

- Vaccination
- 26 cases
- ± 260,000 animals culled
- FMD free by 25-6-2001

Foot & mouth disease: lessons learned



We'll vaccinate to live next time 😊



Foot & mouth disease: lessons learned

Vaccination with DIVA vaccine:

- Control vaccination: < 1 km and contact herds followed by culling
- Protective vaccination: $1 < \text{km} < 2$; protection and diminish virus load

Surveillance zone $2 < \text{km} < 10$:

- Screening
- Testing (DIVA test)

