

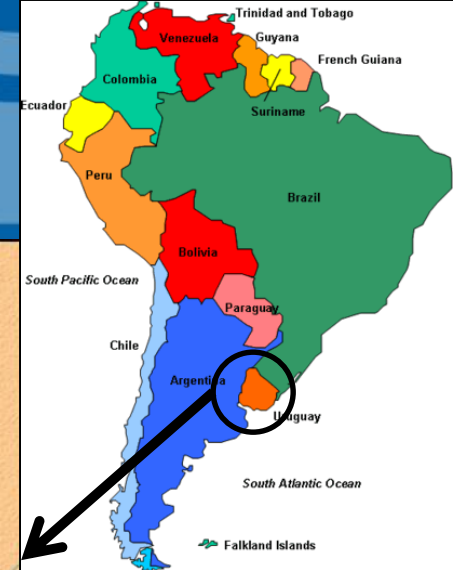
Uruguay, a case study ...

Area similar to the state of WA

Human Pop: 3 M
- 1.5 M in capital
11.1 M cattle
- 10 million beef
7.7 M sheep

WA population pop
~ 6.8 M
LA county pop
~ 9.8 M

Outbreak 2001
- 2,057 infected farms
- 7,000 hd depopulated
- 265 dairies infected
~98,000 hd (12.6%)



Emergency FMD vaccination using commercial vaccine successfully controlled the outbreak



A tale of two outbreaks

	UK	Uruguay
Cattle population	≥ 10 million	≥ 10 million
Sheep population	≥ 35 million	≥ 12 million
Pig population	≥ 5 million	≥ .3 million
No. infected herds	2,026	2,057
No. FMD+ slaughtered	3,910,000	6,937
Total slaughtered	≈ 10 million	6,937
Outbreak duration	36 weeks	18 weeks
No. doses vaccine	0	24 million
Direct cost	US\$ 4.6 B	US\$ 13 M
Total economic impact	>US\$ 12 B	<US\$ 400 M

