









Capability analysis in case of foot-and-mouth disease epidemics in France and Tunisia











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Main contributors

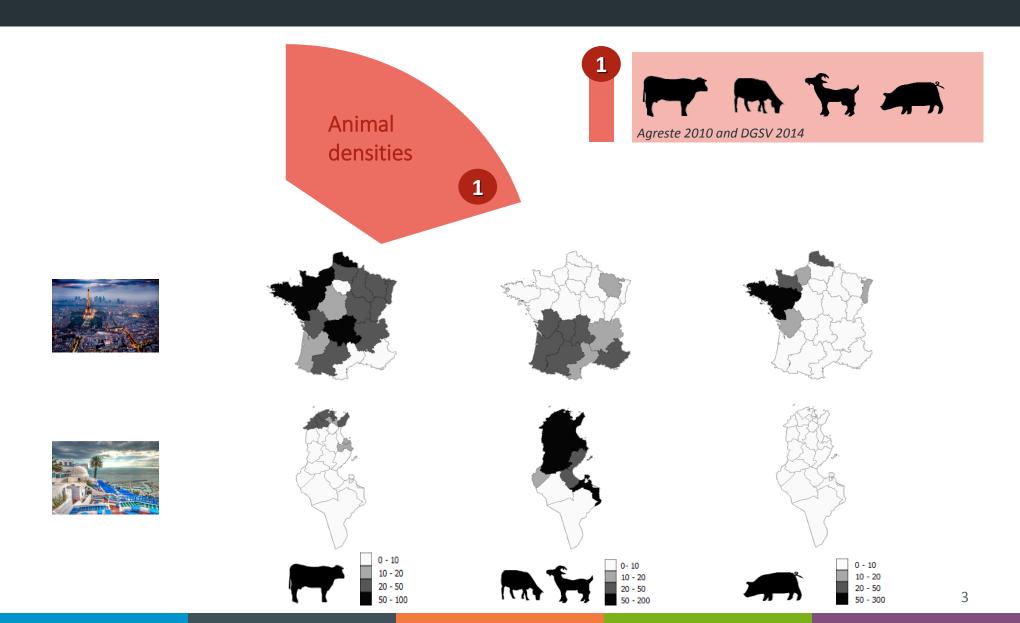


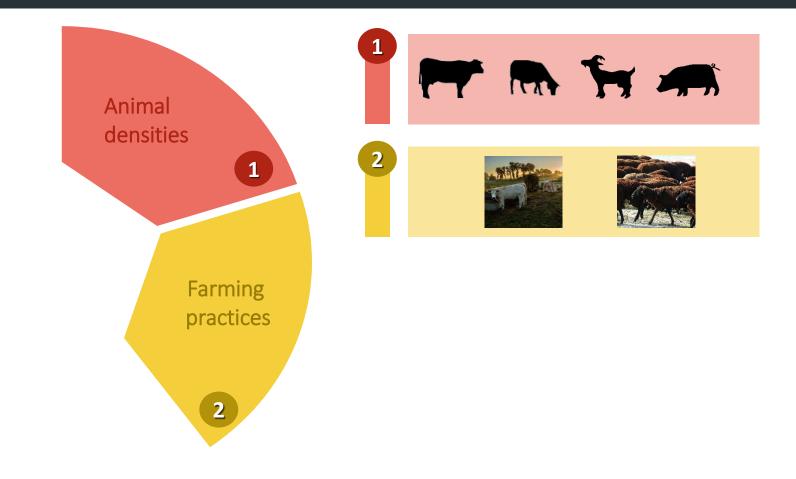
Roukaya Khorchani

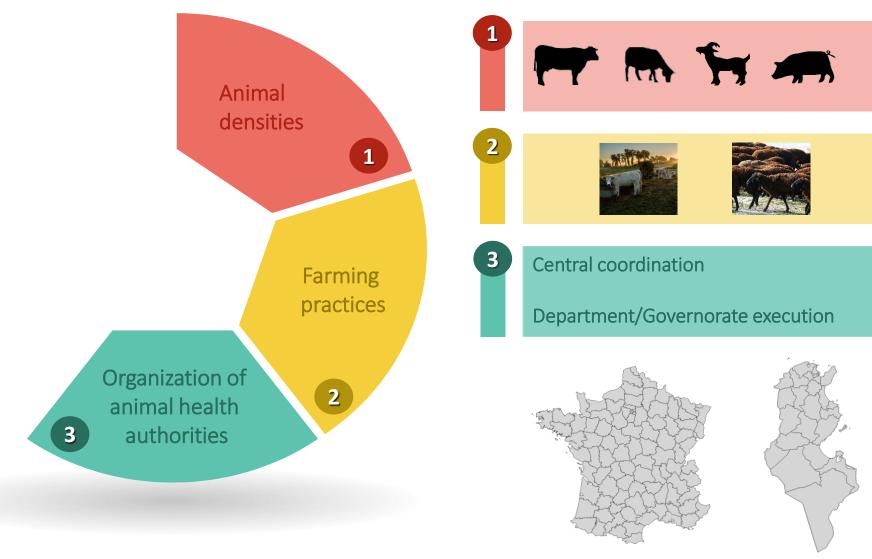
Head Office of the Veterinary Services - Tunis

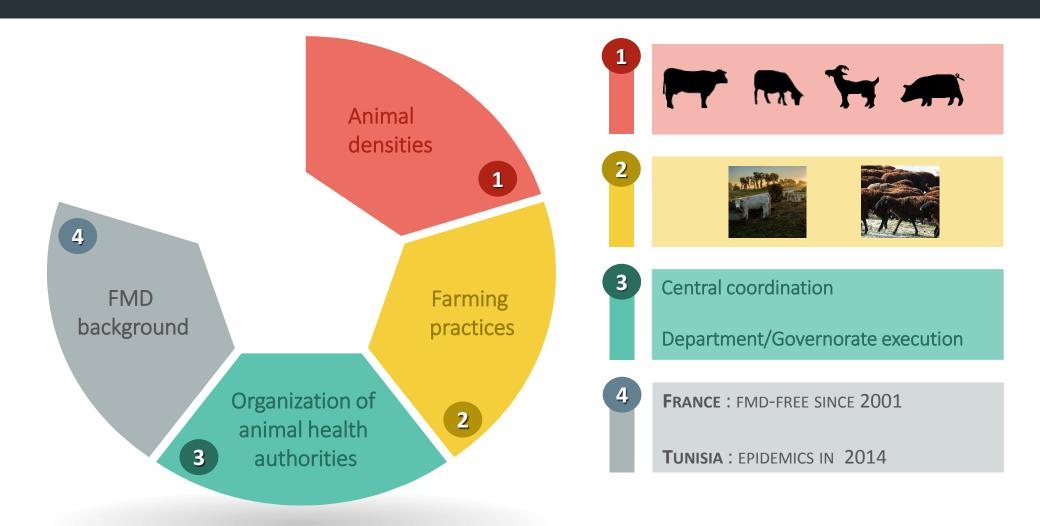


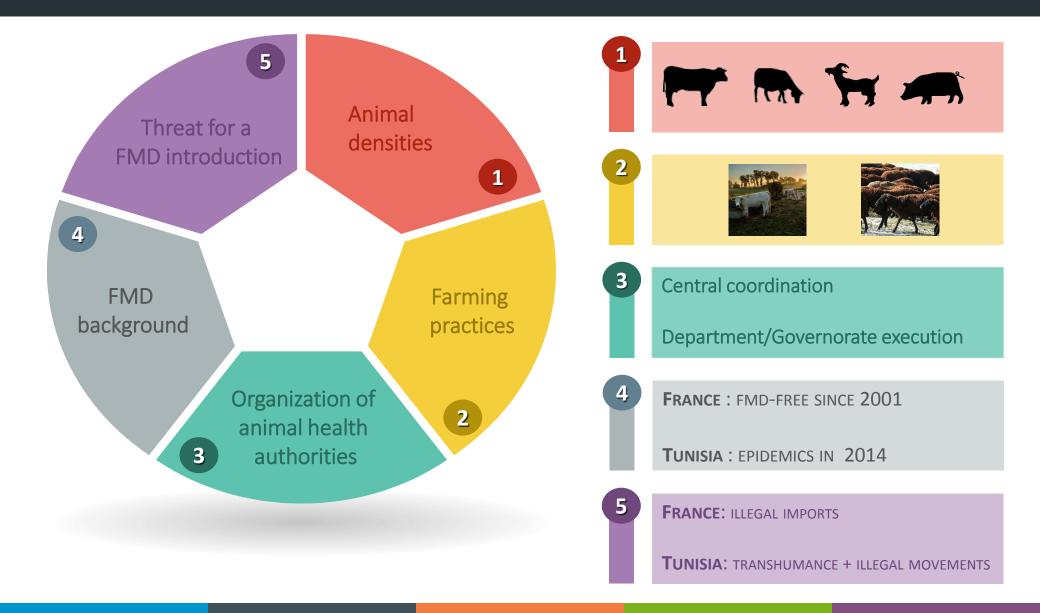
Estelle Bitan-Crespi General Directorate on food safety - Paris











Objectives

Contingency plans

Several control measures in case of FMD epidemics => Possible adaptation with the spread of the disease

1) develop a reference grid of required resources needed to control FMD epidemics

Resources

Can be a limitation to implement control measures

References: Davies 2002, Bouma 2003, Halassa 2014

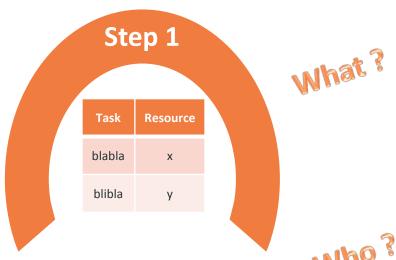


2) illustrate the use of this tool to assess whether current human resources are sufficient to control a FMD epidemics









ORDRE DE SERVICE MINISTERE DE L'AGRICULTURE, DE L'ALIMENTATION, DE LA PECHE ET DES AFFAIRES RURALES Direction gièneta de l'alimentation Adresse: 251, rue de Vaugrard 7572 PARIS CEDEX 15 des aliments Des établissements de productio et de transformation mouvements Pharmacie vétérinaire et alim : Benjamin LE CHATELIER Emmanuelle SOUBEYRAN Pascale PARISOT Martial PINEAU Tél.: 01.49.55.84.28 / 84.91 Charles MARTINS-FERREIRA Tél.: 01.49.55.84.20 / 84.59 Réf. interne: 2003/20 NOTE DE SERVICE DGAL/SDSPA/SDSSA/N2003-8050



Mpo 3







REFERENCE GRID Required resources



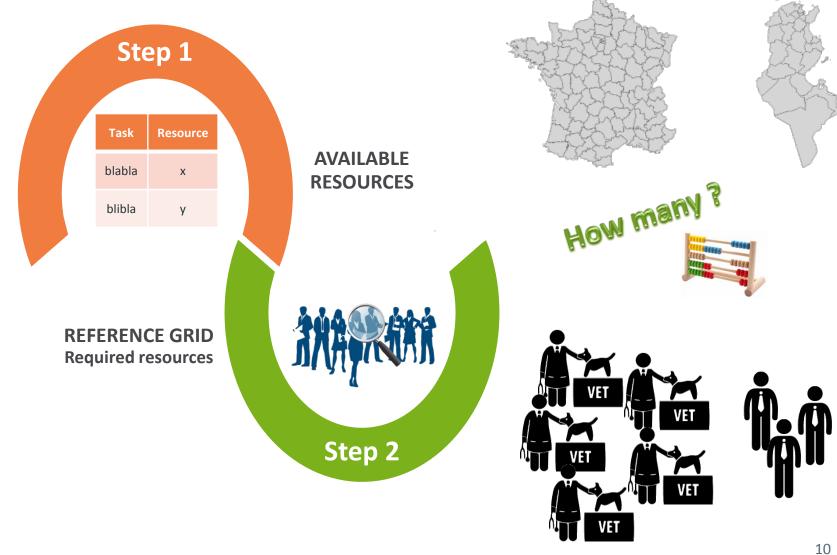


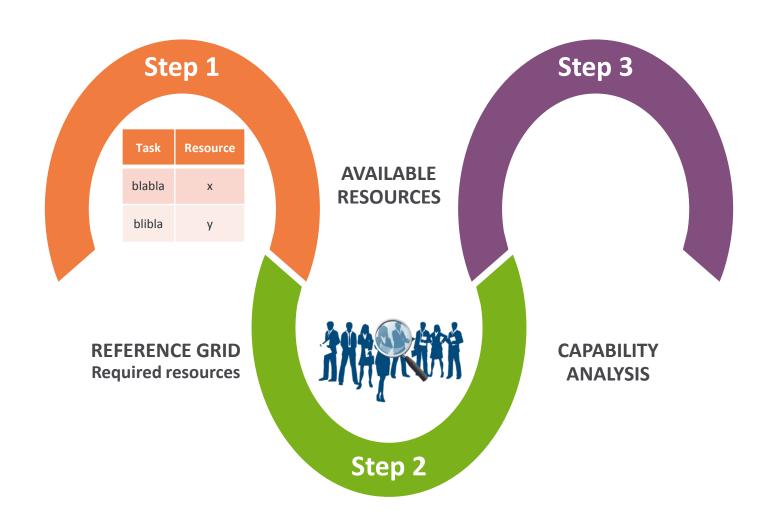




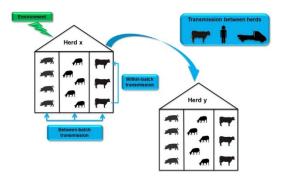




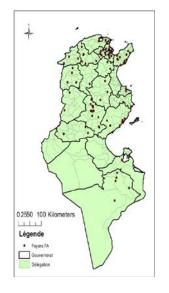










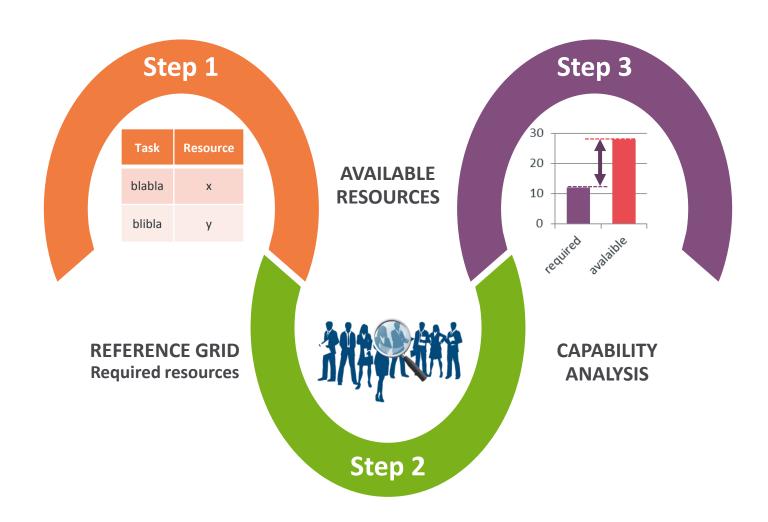




CAPABILITY ANALYSIS







4 items:





- ✓ Detection and surveillance
- ✓ Planning and administrative management



✓ Depopulation (culling, destruction of carcasses, cleaning/disinfection)



√ Vaccination



		Human resources			
Task	Duration of intervention (number of hours / herd)	Skill 1	Skill 2	Skill 3	
Task 1					
Task 2					





Sequestration/sampling

Samples management

Outbreak investigation

Active surveillance based on clinical signs

Task



Sequestration/sampling

Samples management

Outbreak investigation

Active surveillance based on clinical signs



Task	intervention (number of hours / herd)	VET	Å	Ť
Sequestration/sampling				
Samples management				
Outbreak investigation				
Active surveillance based on clinical signs				



Task	intervention (number of hours / herd)	VET	Ť
Sequestration/sampling			
Samples management			
Outbreak investigation			
Active surveillance based on clinical signs			47

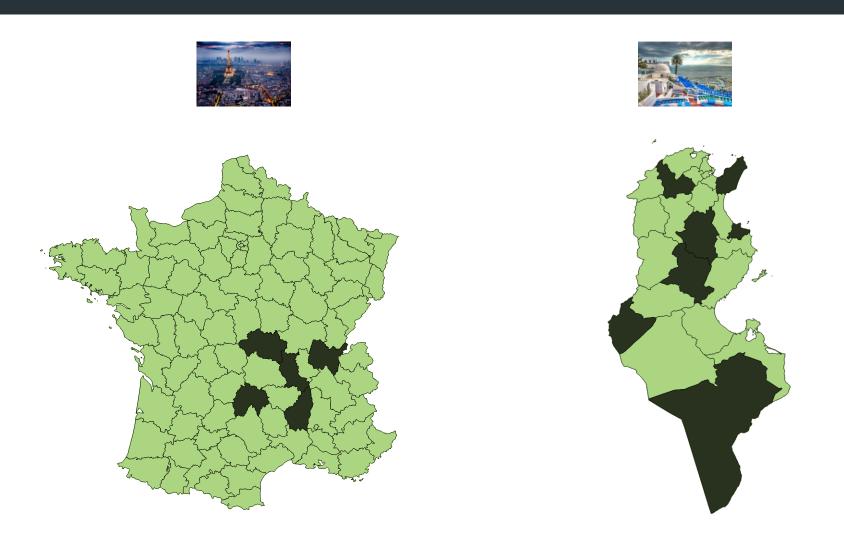


Task	Duration of intervention (number of hours / herd)	VET	Å	
Sequestration/sampling	4	1	1	2
Samples management	6	0	1	1
Outbreak investigation	4	0	1	2
Active surveillance based on clinical signs	2	1	0	0

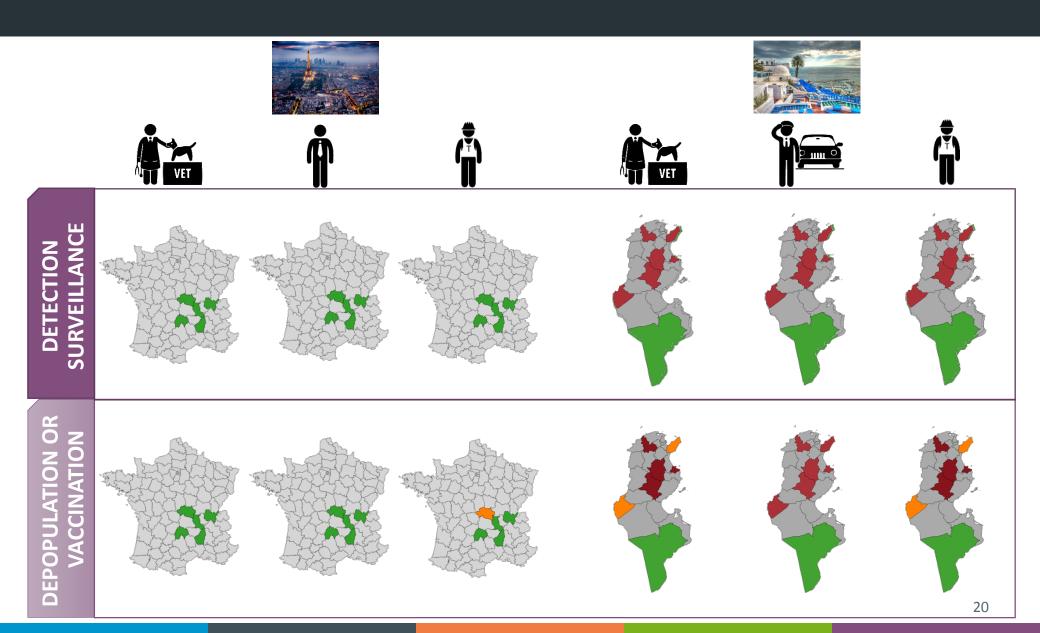


Task	intervention (number of hours / herd)	VET	2 11111 0	Ť
Sequestration/sampling	6	1	1	1
Samples management	8	1	1	1
Outbreak investigation	5	1	1	1
Active surveillance based on clinical signs	4	1	1	1

Results – available resources (step 2)



Results – capability analysis (step 3)



Discussion



Steering tool available

Calibration in progress





Tunisia: culling considered France: inclusion of planning tasks



Perspectives



Work in progress

=> surveys in other departments and governorates, calibration of administrative tasks

Acknowledgements

Partners

- DGSV (Tunis)
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Colleagues

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- Gina Zanella

Surveys

- DDPP Loire
- DDCSPP Allier
- DDCSPP Ardèche
- DDPP Ain
- DDCSPP Cantal
- CRDA Béja
- CRDA Nabeul
- CRDA Monastir
- CRDA Sidi Bouzid
- CRDA Kairouan
- CRDA Tataouine
- CRDA Tozeur

Thank you for your attention!



"If good things lasted forever, would we appreciate how precious they are?"