



World Organisation
for Animal Health
Founded in 1924

中华人民共和国农业农村部

Ministry of Agriculture and Rural Affairs of the People's Republic of China

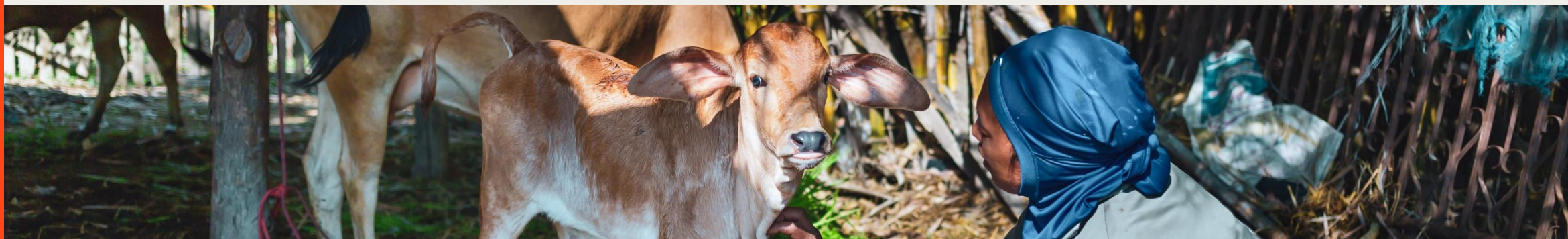
Joint strategy for bovine tuberculosis and brucellosis control in Japan

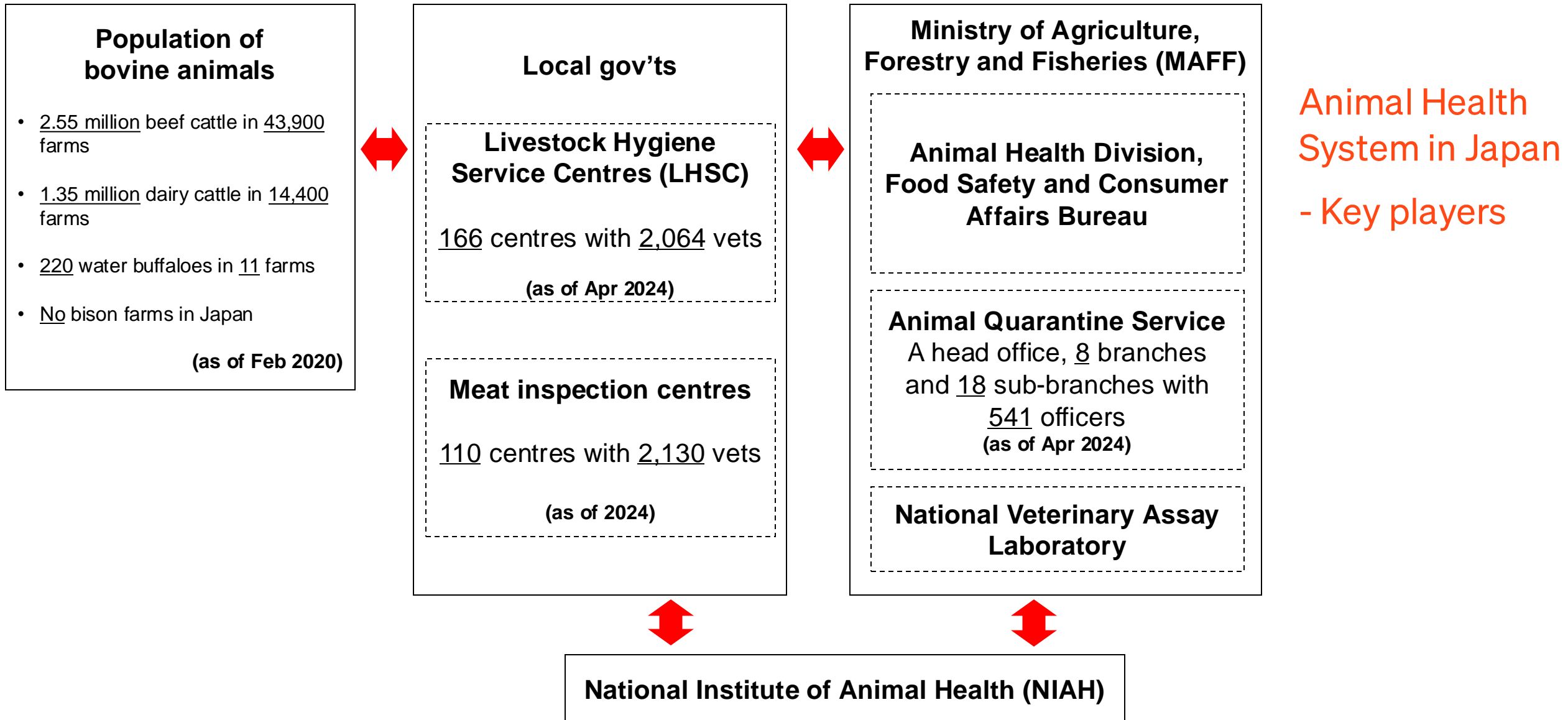
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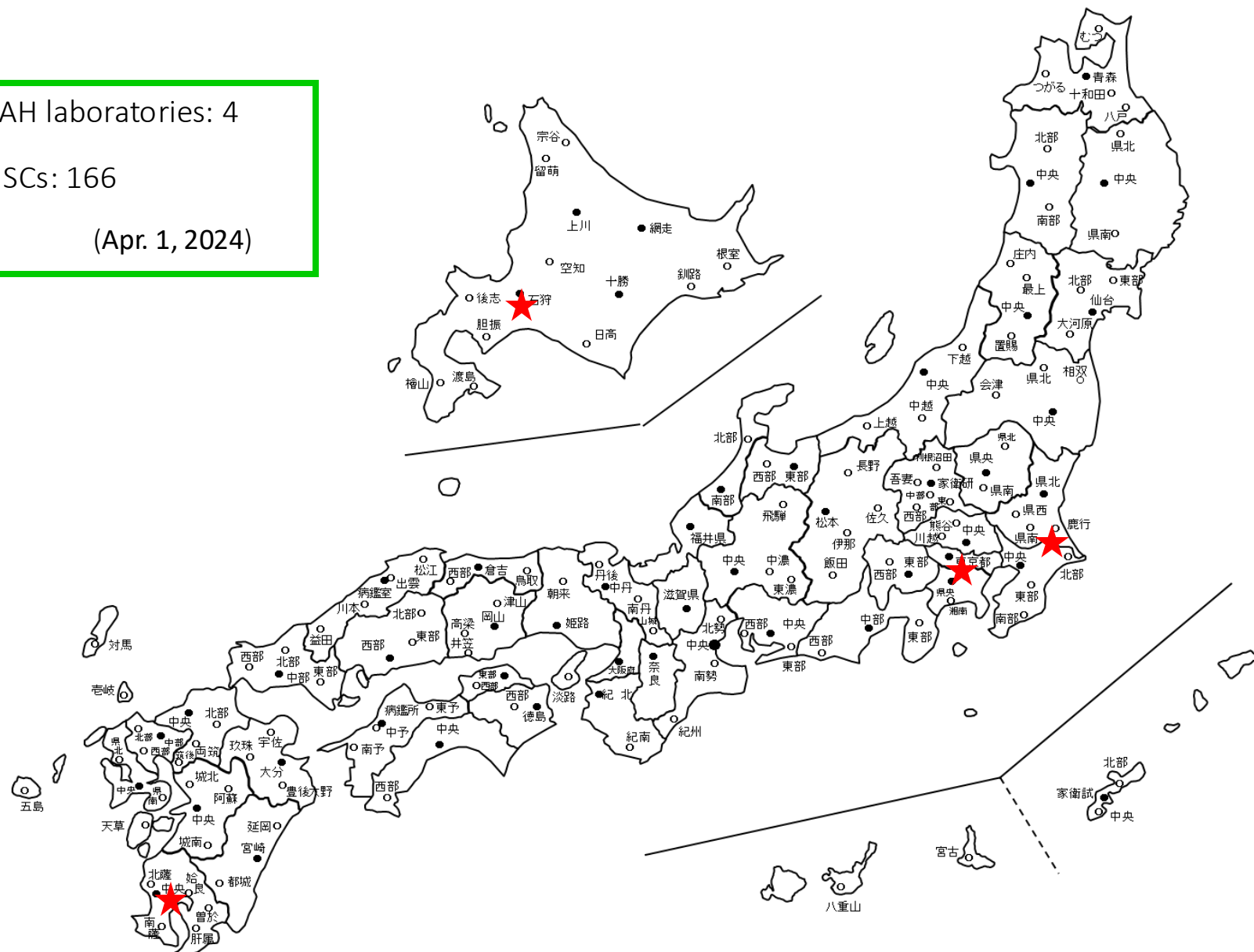
Food Safety and Consumer Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries (MAFF)







- ★ NIAH laboratories: 4
- LHSCs: 166
- (Apr. 1, 2024)



Location of
major facilities
for Veterinary
Services

Japan is free from bovine tuberculosis (bTB) and bovine brucellosis (BB)

The WOAHA Delegate of Japan declared the country's freedom from infection with *M. tuberculosis* complex and bovine brucellosis in bovids as of 1 April 2021 in compliance with the *Terrestrial Code* (2021 edition).

Key measures to achieve freedom

- **Active surveillance** and **test & slaughter** for dairy cattle and breeding bulls by LHSC with compensation (80% of the estimated market price) (for **bTB** and **BB**)
- Passive surveillance on farm (for **BB**): test all abortion and abnormal birth cases reported to LHSC
- Inspection at slaughterhouse (for **bTB**)
- Import quarantine measures (for **bTB** and **BB**)



Eradication history

(bTB)

In 1901, regular testing of dairy cattle and bulls at least once a year started

(BB)

In 1956, regular testing of dairy cattle and bulls at least **once a year** started

(BB, bTB)

In 1975, sampling frequency was reduced to at least **once every two years**

(BB, bTB)

In 1998, reduced to at least **once every five years**

(BB, bTB)

From April 2018 to March 2021, Surveillance for demonstrating freedom for both disease

(BB, bTB)

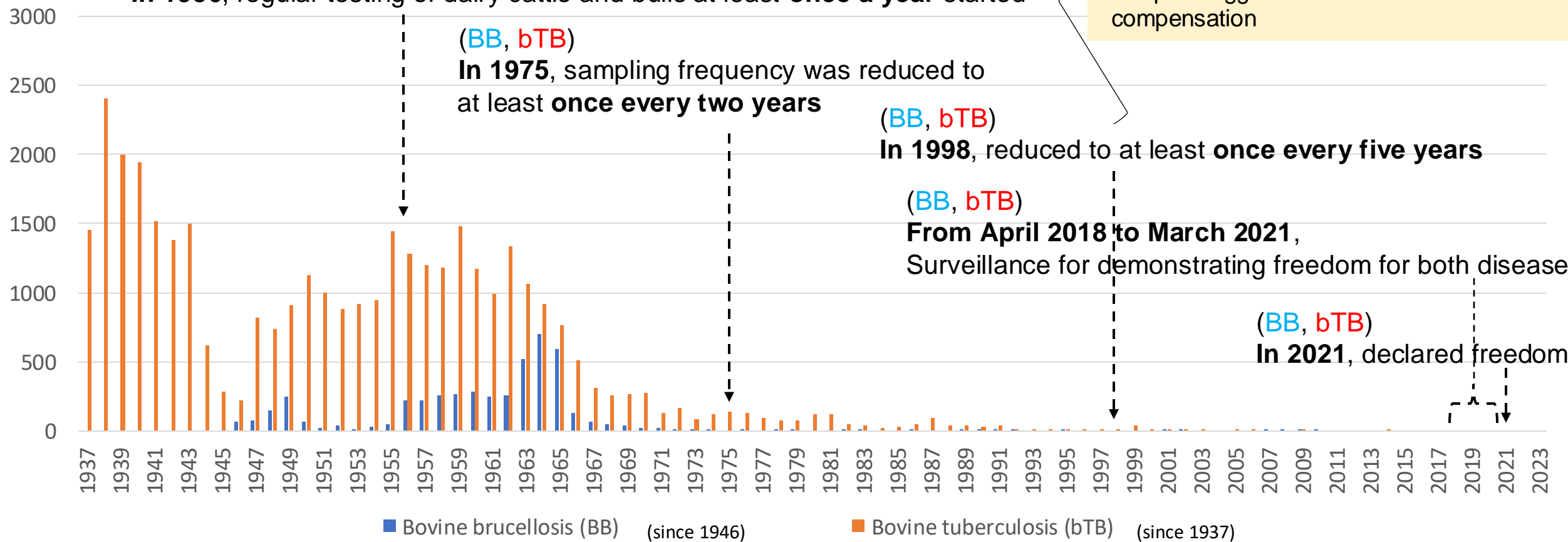
In 2021, declared freedom

(bTB)

Cattle that tested positive for consecutive two CFT (caudal fold tuberculin) tests were culled with compensation

(BB)

Cattle that tested positive for consecutive two plate agglutination tests were culled with compensation





Advantages of the joint approach

Efficient!

- Visit a bovine farm once to carry out two tests (CFT for bTB and serological tests for BB)

Easier to explain necessity to eradicate the diseases (to Ministry of Finance)

- Both are high priority diseases from the public health perspective
- Joint approach maximise the cost-effectiveness

Surveillance for demonstrating freedom of bTB and BB (Apr 2018 - Mar 2021)

In accordance with the provisions of the *Terrestrial Code*

	<i>Terrestrial Code</i>	Surveillance conducted in Japan
bTB	Point 1(b) of Article 8.12.4. a <i>surveillance</i> programme based on regular testing of all <i>herds</i> has been in place for at least three years and <u>for the past three years</u> this testing has demonstrated that <u><i>infection</i> with <i>M. tuberculosis</i> complex</u> was not present in at least 99.8% of the <i>herds</i> representing at least 99.9% of the <i>bovids</i> in the country or <i>zone</i>	43,357 cattle in 3,164 farms* were tested with CFT (all negative) 53 samples collected from animals with tuberculosis-like lesions were subjected to agent identification tests (all negative)
BB	Point 1(c) of Article 8.4.4. regular testing of all <i>herds</i> has been in place for the past three years; and this testing has demonstrated that <u>during this period, <i>infection</i> with <i>Brucella</i></u> was not present in at least 99.8% of the <i>herds</i> representing at least 99.9% of <i>bovids</i> in the country or <i>zone</i>	43,691 cattle in 3,167 farms* were tested with buffered plate agglutination test and ELISA for screening, and then with bacterial isolation and PCR for confirmation (all negative) 971 abortion cases were tested with ELISA (using serum from dam), bacterial isolation (using vaginal swabs or aborted foetal tissue) and then with PCR for confirmation (all negative)

* To detect at least one farm with more than 95% probability if the farm level prevalence was more than 0.1%

For more information on ‘after achieving freedom’

Refer to:

- Poster; and
- Self-declarations that are available at WOAHP website.



Self-declaration on bTB



Self-declaration on BB



Conclusion

- It is technically and scientifically possible to eradicate bTB and BB
- Joint approach would be efficient!



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Thank you!

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