



istituto zooprofilattico sperimentale

del Piemonte, Liguria e Valle d'Aosta

EURL TSE

Work programme 2023-2024

what done, what to do

Giuseppe Ru, EURL-TSE

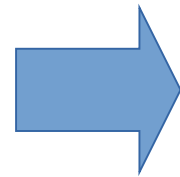


vCJD & BSE:
epidemiologically,
where we are?

Variant CJD cases worldwide

from the first English cases identified in 1995 to date:

232 total cases



country	total	
UK	178	Last in 2016
France	29	
Spain	5	
Ireland	4	
US	4	
Netherlands	3	
Italy	3	
Canada	2	
Portugal	2	
Saudi Arabia	1	
Japan Taiwan	1	

Variant CJD cases worldwide

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<https://storymaps.arcgis.com/stories/e3ad66b13dc9428bba93211d6b0bfbd0>



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No news

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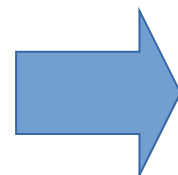
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Canada	2
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Portugal	2
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Saudi Arabia	1
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Japan Taiwan	1
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BSE: most recent cases worldwide

•2022

- H-BSE
 - France

•2023 (Jan-Jul)

- L-BSE:
 - the Netherlands
 - Switzerland
 - US
- H-BSE
 - Brazil
 - Spain
 - the UK

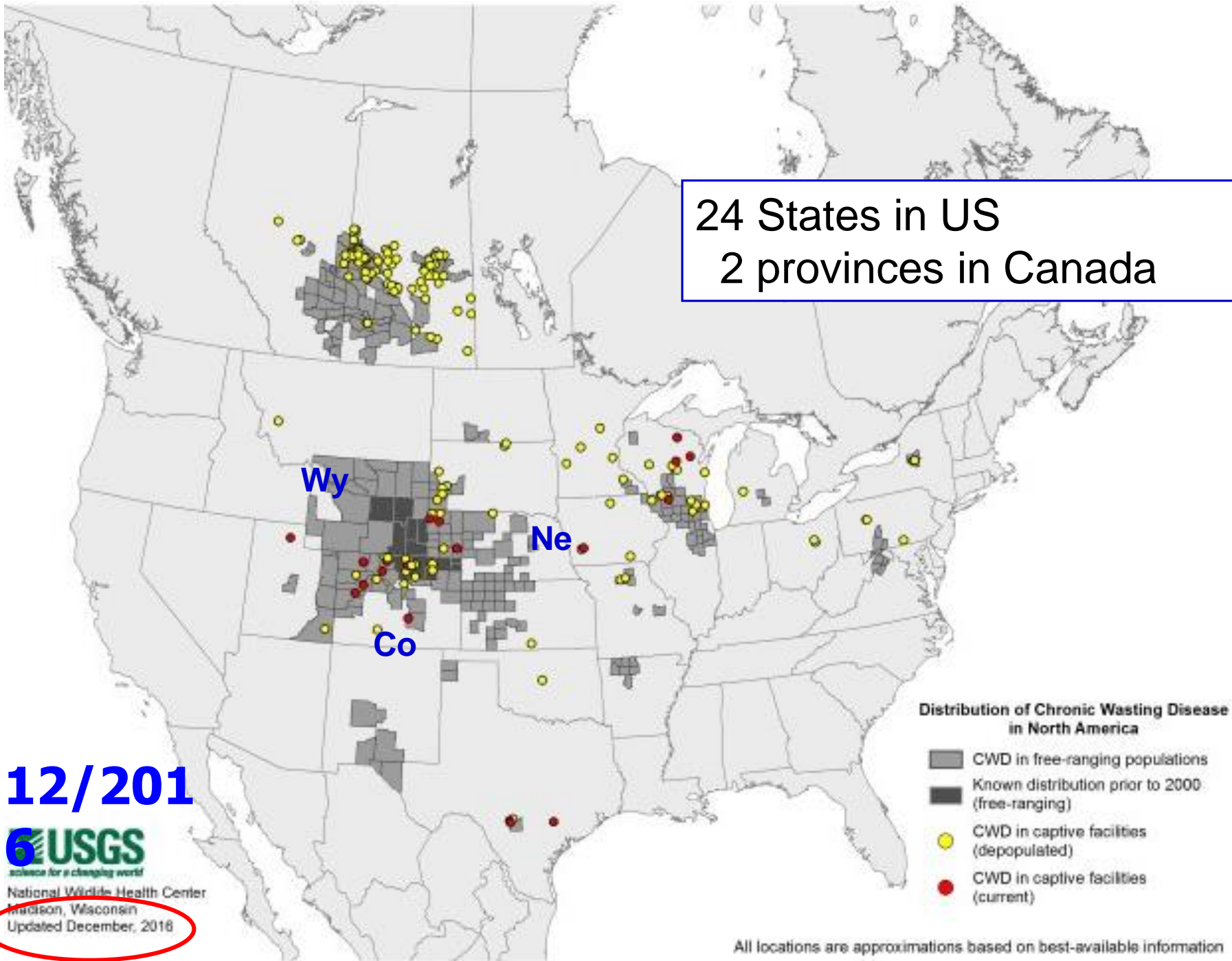
scrapie

Nice decreasing trend EU-wide in sheep
(some news in Iceland!!)

No improvement in goats

CWD

24 States in US
2 provinces in Canada



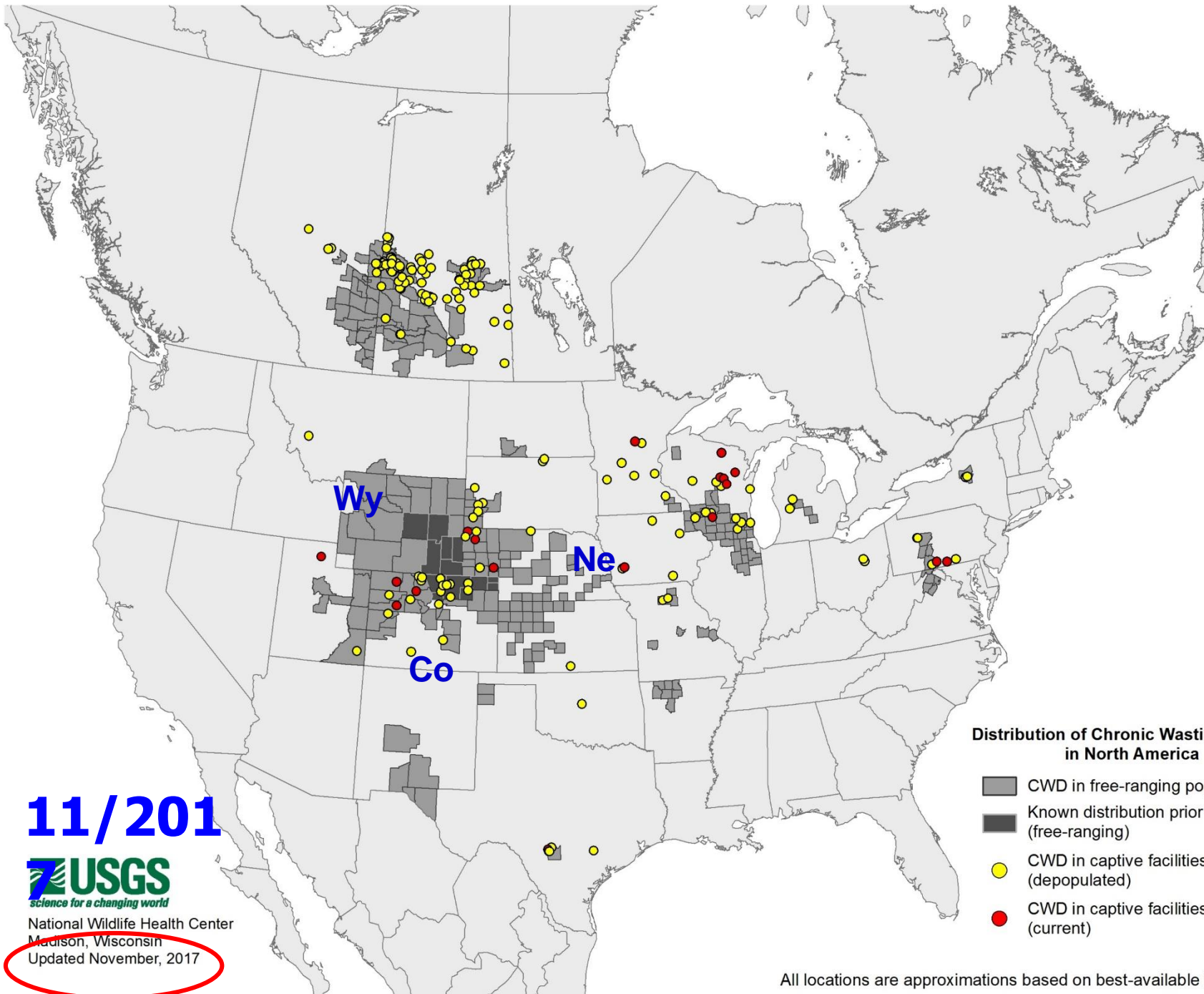
12/201

USGS
science for a changing world
National Wildlife Health Center
Madison, Wisconsin
Updated December, 2016

Distribution of Chronic Wasting Disease in North America

- CWD in free-ranging populations
- Known distribution prior to 2000 (free-ranging)
- CWD in captive facilities (depopulated)
- CWD in captive facilities (current)

All locations are approximations based on best-available information



Distribution of Chronic Wasting Disease in North America

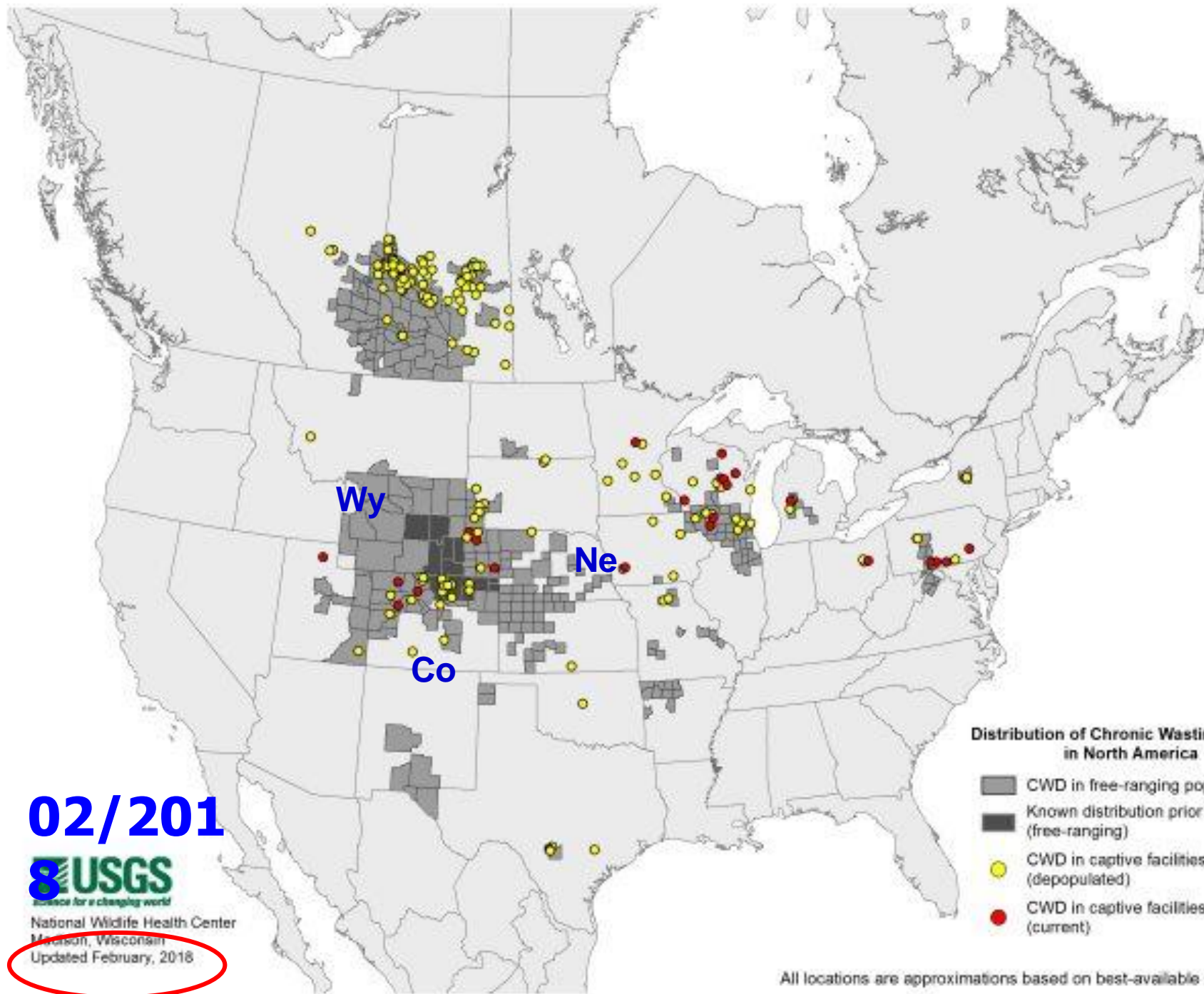
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11/201



National Wildlife Health Center
 Madison, Wisconsin
 Updated November, 2017

All locations are approximations based on best-available information



Distribution of Chronic Wasting Disease in North America

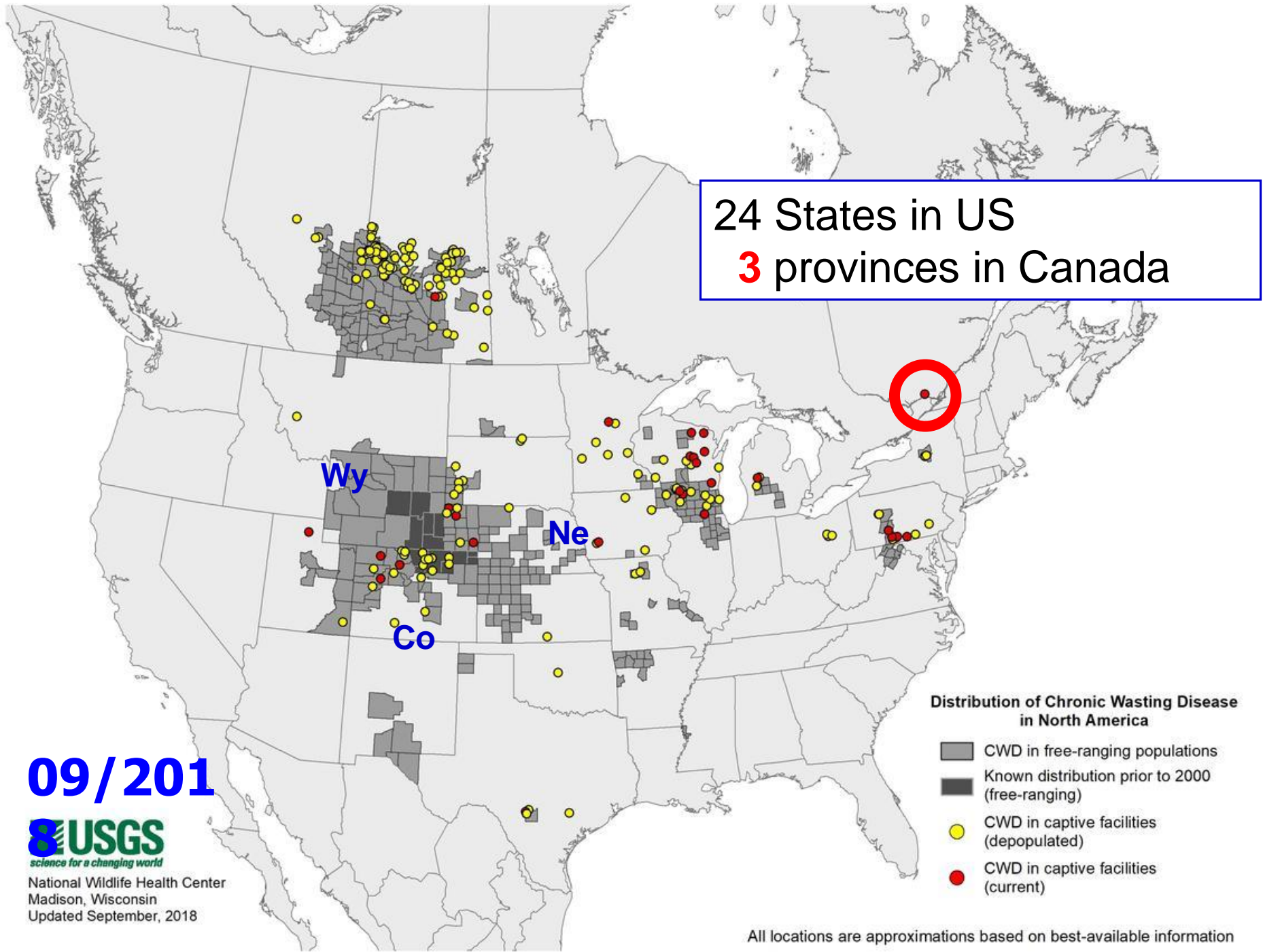
- CWD in free-ranging populations
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02/201



National Wildlife Health Center
 Madison, Wisconsin
 Updated February, 2018

All locations are approximations based on best-available information



24 States in US
 3 provinces in Canada

Distribution of Chronic Wasting Disease in North America

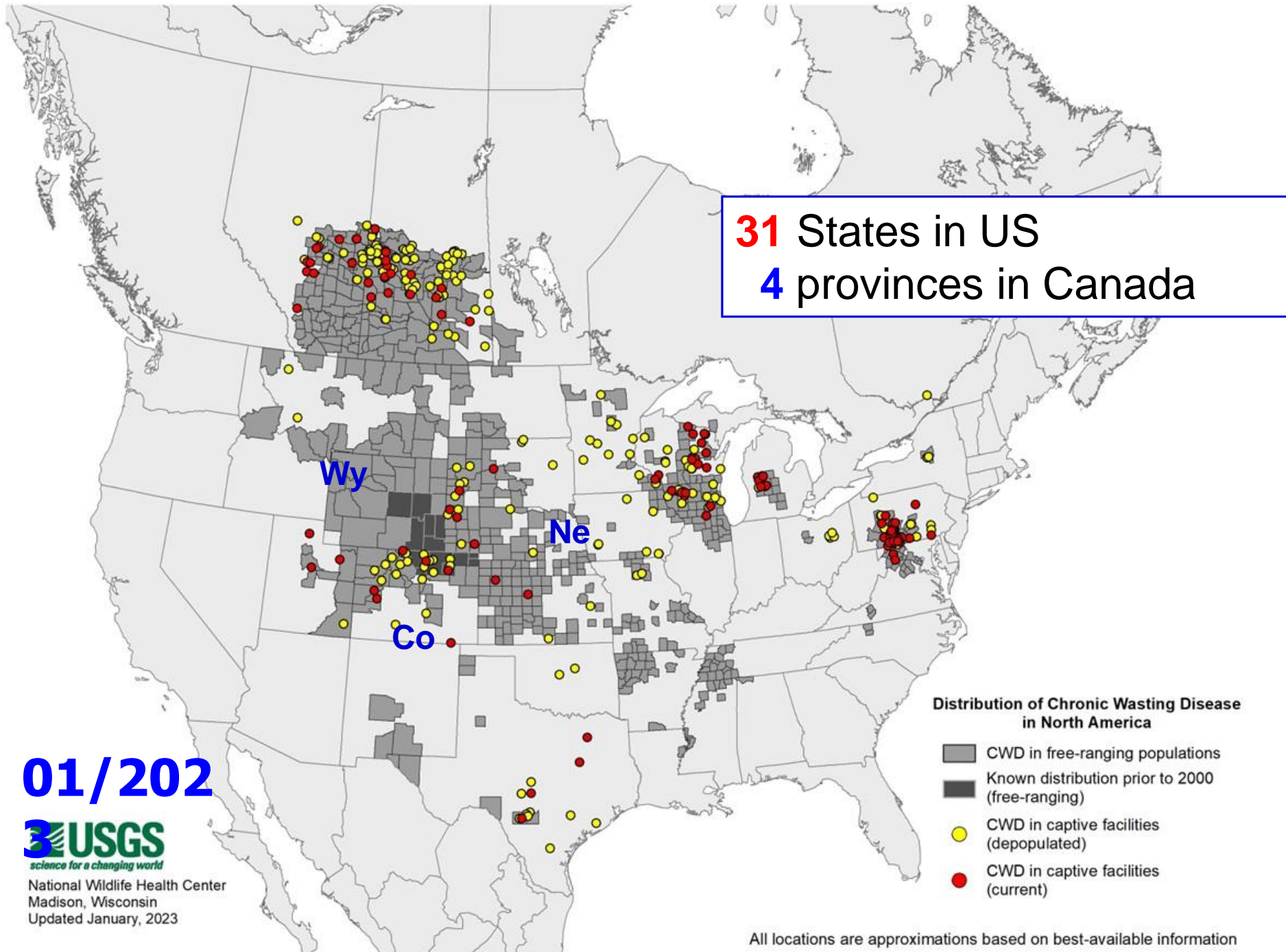
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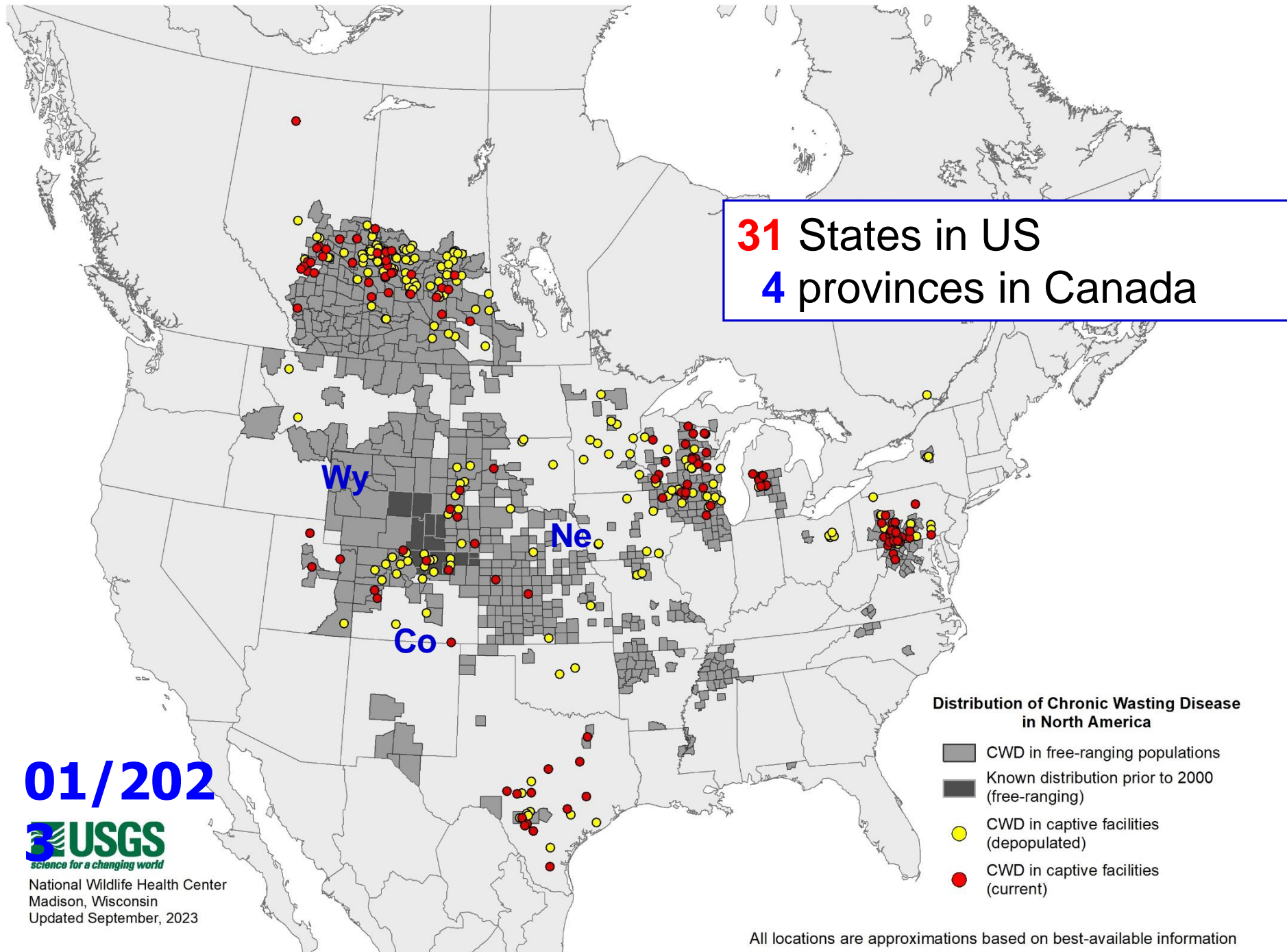
09/201



National Wildlife Health Center
 Madison, Wisconsin
 Updated September, 2018

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CWD

Distribuzione geografica dei casi

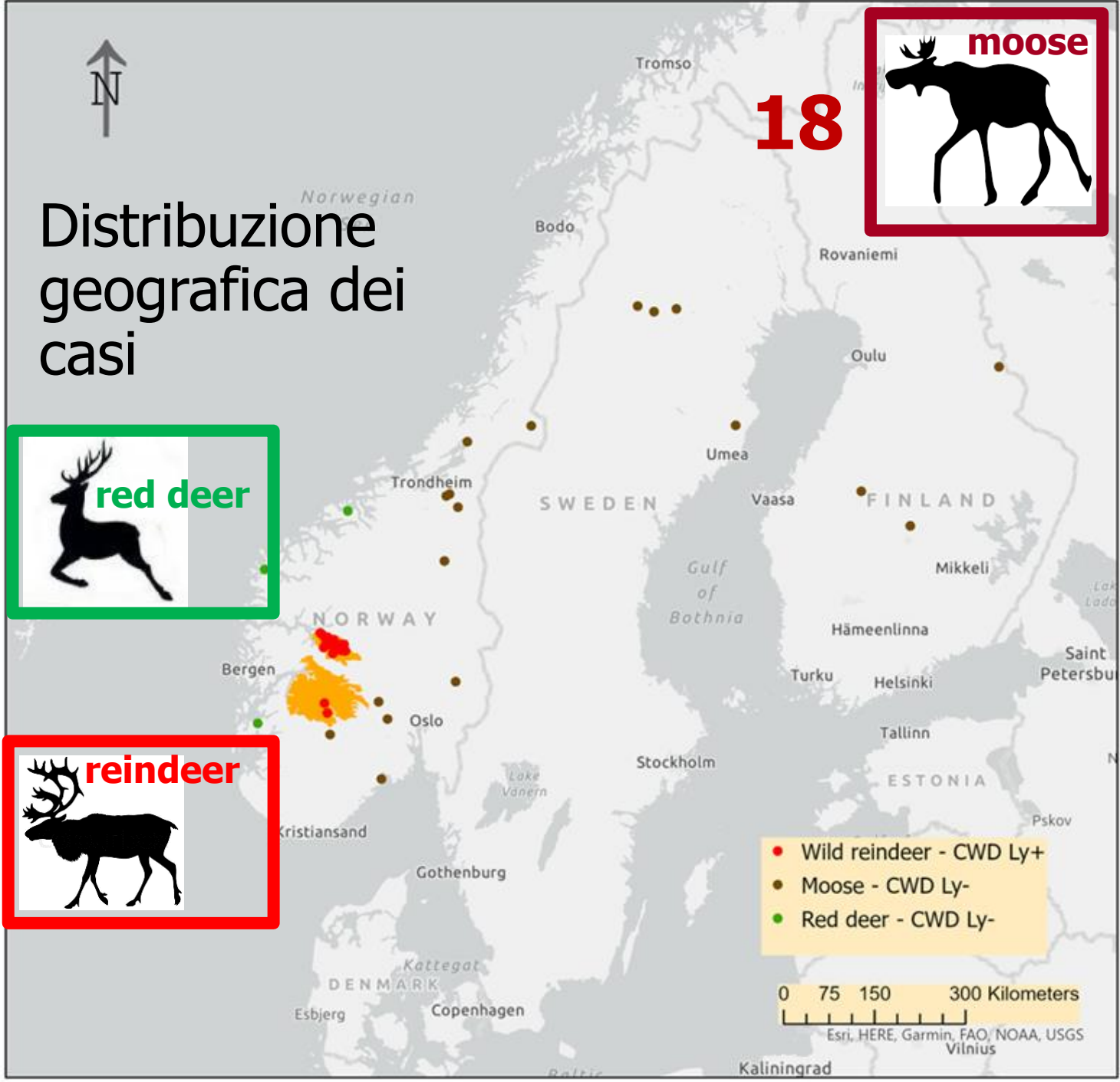
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21



18



Previous 2-year WP successfully closed

- Several interactions between NRLs and EURL
- 2 rounds of EQAs completed, however we are still dealing with the shortage of reference material (atypical BSE)
- The project for the production of missing reference material initiated late in 2022 with FLI collaboration
- With more delay than expected and some starting troubles, the EURL website now available for communication purposes and and for smooths managing of batch testing and EQAs

Fruitful interactions between NRLs and EURL!

Assistance or exchanges of views occurred in:

- 2022 with NRLs colleagues from of Croatian, Ireland, Spain and Sweden
- 2023 with NRLs colleagues from of Finland, Poland, Portugal, Romania, Slovenia

The 2022 round of External Quality Assessments (EQA)

9 different Proficiency Tests (PT) were run:

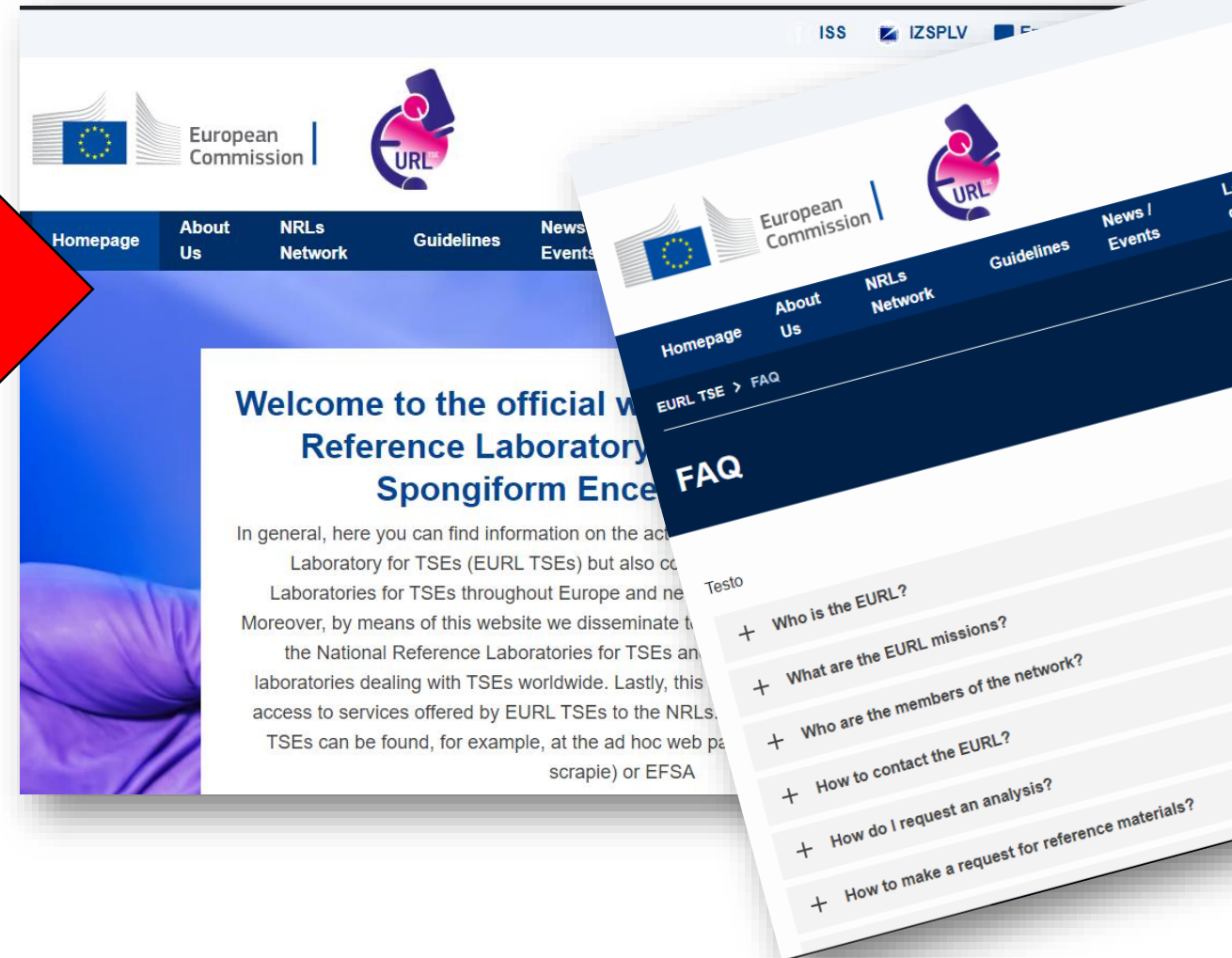
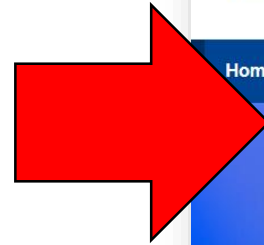
- 2 Screening: **Rapid test** for BSE and for scrapie (RB22, RS22)
- 3 Confirmatory: **Immunoblot** for BSE and scrapie (WB22, WS22) & **PrP immunohistochemistry interpretation** (IHC-I22) & **technical** (IHC-T22)
- 1 Discriminatory: **Discriminatory western blot** in small ruminants (DS22)
- 2 Genotyping: **PRNP genotyping** in sheep and in goats (GS22, GG22)

Details will be provided over these two days

The new EURL website, available since a few weeks

It includes a free access area:

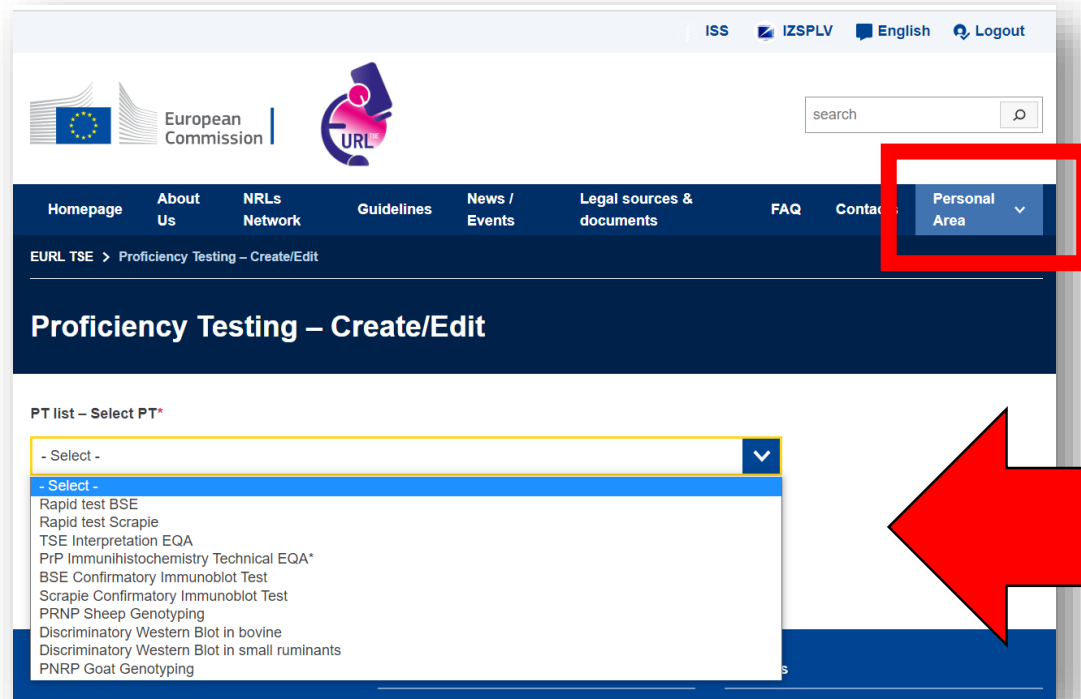
Homepage; About Us; NRLs Network; Guidelines; News / Events; Legal sources & documents; FAQ; Contacts



<https://www.eurl-tse.eu/>

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ISS IZSPLV English Logout

European Commission | EURL

search

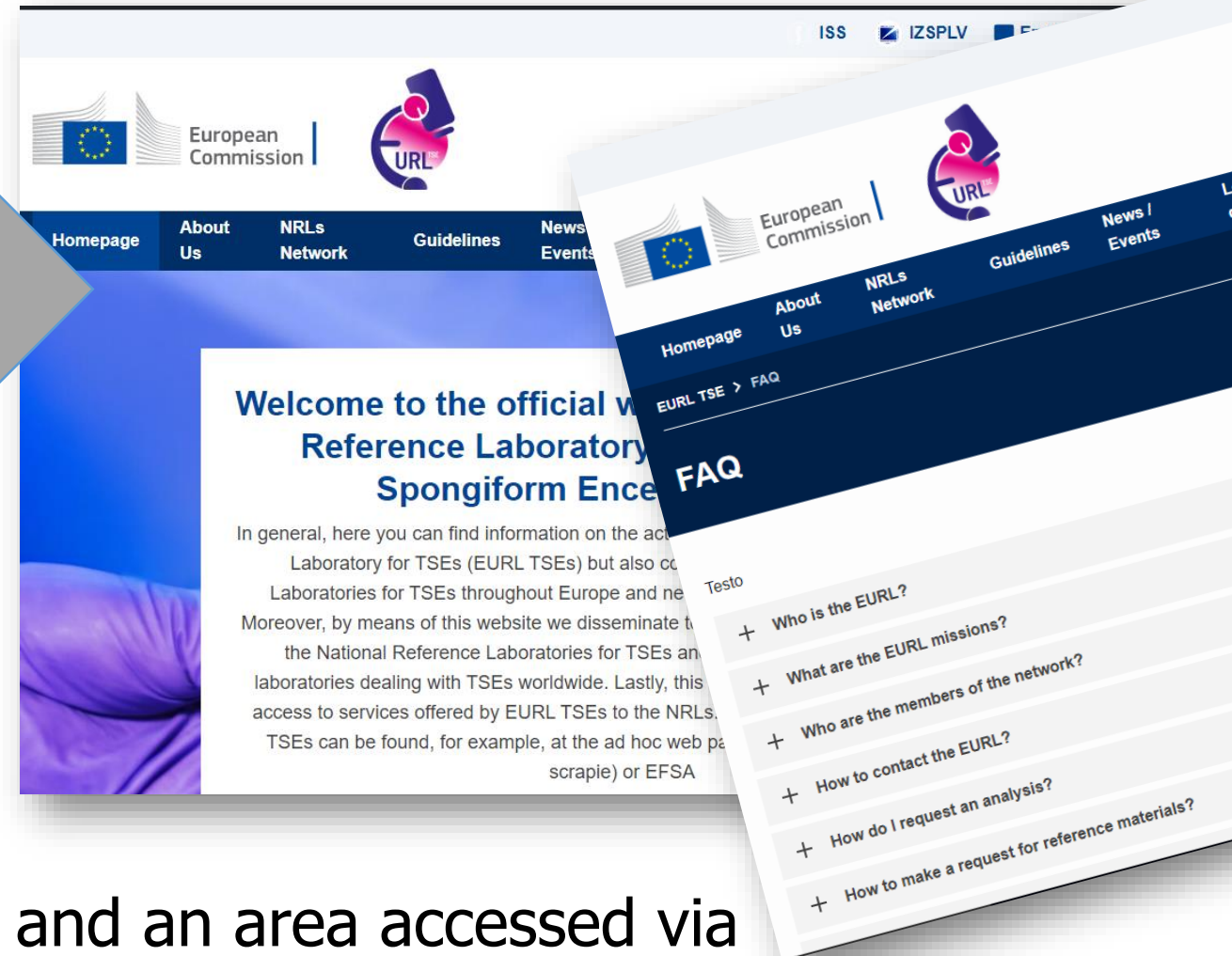
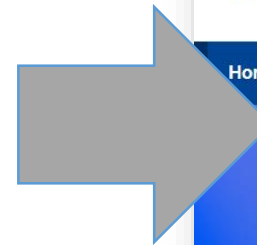
Homepage About Us NRLs Network Guidelines News / Events Legal sources & documents FAQ Contact **Personal Area**

EURL TSE > Proficiency Testing - Create/Edit

Proficiency Testing - Create/Edit

PT list - Select PT*

- Select -
- Select -
- Rapid test BSE
- Rapid test Scrapie
- TSE Interpretation EQA
- PrP Immunohistochemistry Technical EQA*
- BSE Confirmatory Immunoblot Test
- Scrapie Confirmatory Immunoblot Test
- PRNP Sheep Genotyping
- Discriminatory Western Blot in bovine
- Discriminatory Western Blot in small ruminants
- PNRP Goat Genotyping



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European Commission | EURL

Homepage About Us NRLs Network Guidelines News / Events

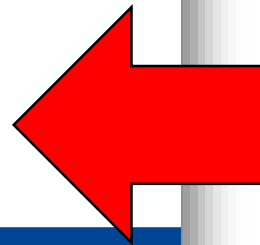
Welcome to the official website of the Reference Laboratory for Spongiform Encephalopathies

In general, here you can find information on the activities of the Reference Laboratory for TSEs (EURL TSEs) but also on the activities of the National Reference Laboratories for TSEs throughout Europe and neighbouring countries. Moreover, by means of this website we disseminate the information on the activities of the National Reference Laboratories for TSEs and on the laboratories dealing with TSEs worldwide. Lastly, this website provides access to services offered by EURL TSEs to the NRLs. EURL TSEs can be found, for example, at the ad hoc web page (scrapie) or EFSA.

EURL TSE > FAQ

FAQ

- + Who is the EURL?
- + What are the EURL missions?
- + Who are the members of the network?
- + How to contact the EURL?
- + How do I request an analysis?
- + How to make a request for reference materials?



and an area accessed via login/password, dedicated to EURL and NRL staff for the management of PTs and Batch tests

A new biannual programme ahead

New referents in the European Commission: now TSE under remit of G2 (Animal Health); previously was G5 (Food, Feed and Fraud Hygiene)

The image shows the cover of a report. At the top left is the logo of the European Union. To its right is the text: 'EUROPEAN HEALTH AND DIGITAL EXECUTIVE AGENCY (HADEA) Department A Health and Food Unit A2 EU4Health/SMP'. Below this is the reference code 'SMP-FOOD-2023-EURL-EURC-AG-IBA'. The main title is 'Activities of the EU reference laboratories and EU reference centres in 2023-2024'. At the bottom is a table with three rows and two columns.

Applicant - COORDINATOR (Name of EURL)	EURL for TRANSMISSIBLE SPONGIFORM ENCEPHALOPATHIES (TSES)
Topic	Transmissible Spongiform Encephalopathies
Implementation period	1/1/2023 – 31/12/2024

awaiting approval

A new biannual programme ahead

- EQAs
- Assistance to NRLs
- Batch testing activities
- Continuation of L/H BSE propagation project
- Biosafety issues

EUROPEAN HEALTH AND DIGITAL EXECUTIVE AGENCY (HADEA)
Department A Health and Food Unit A2 EU4Health/SMP

SMP-FOOD-2023-EURL-EURC-AG-IBA

Activities of the EU reference laboratories and EU reference centres in 2023-2024

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The next EURL annual meeting in Rome again

“Maybe” with

the AP-EURL,

Again we are planning to organise a **“joint EURLs meeting”** in May 2024 in Rome

Day 1: pm, half a day, AP(?) EURL

Day 2: one joint day, common session

Day 3: am, half a day, TSE(?) EURL

