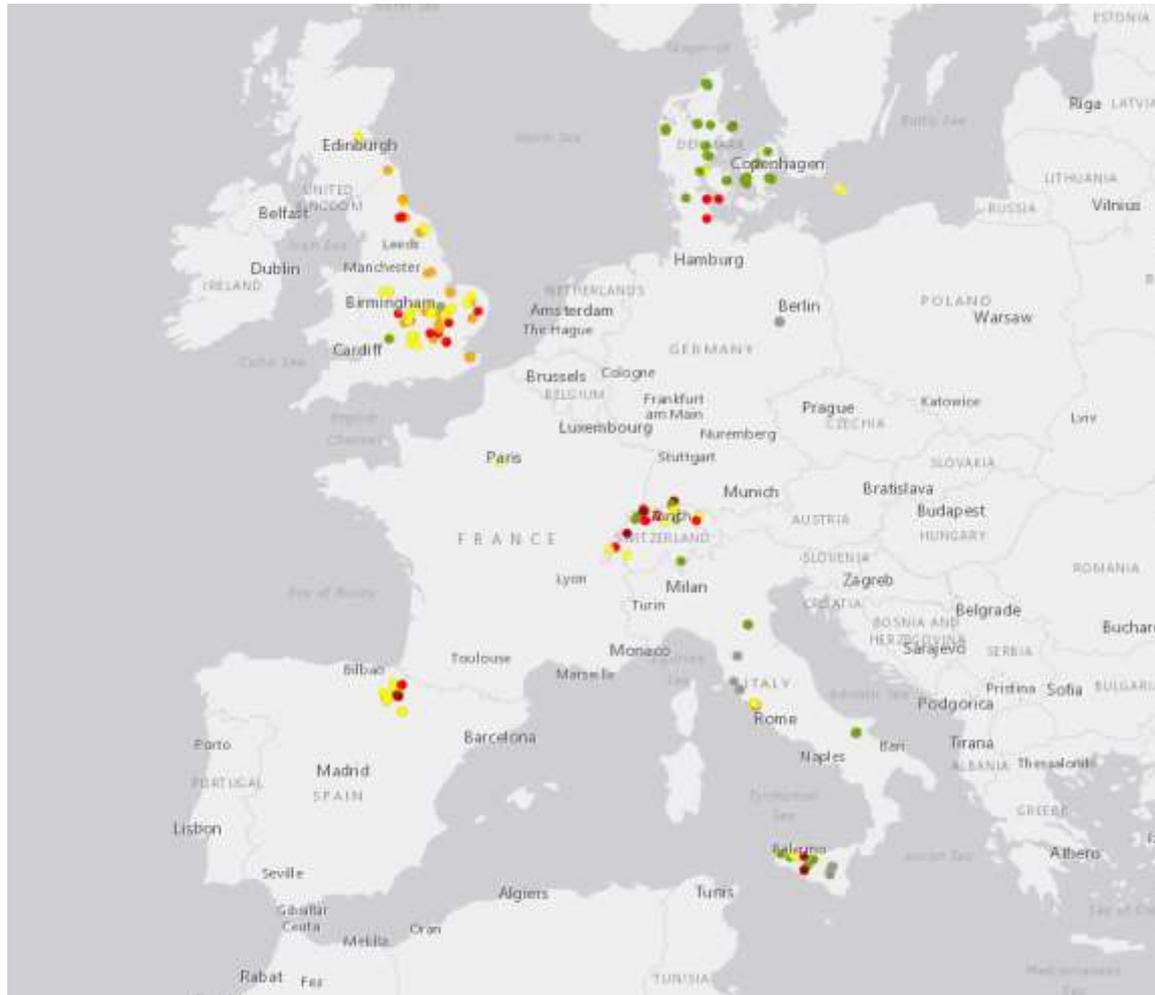


# Plateforme RustWatch de suivi et de surveillance des rouilles

Jessica Joaquim, Biagio Randazzo, Jens Grønbech Hansen

## “Crowdsource App” : Une plateforme de suivi tout public!

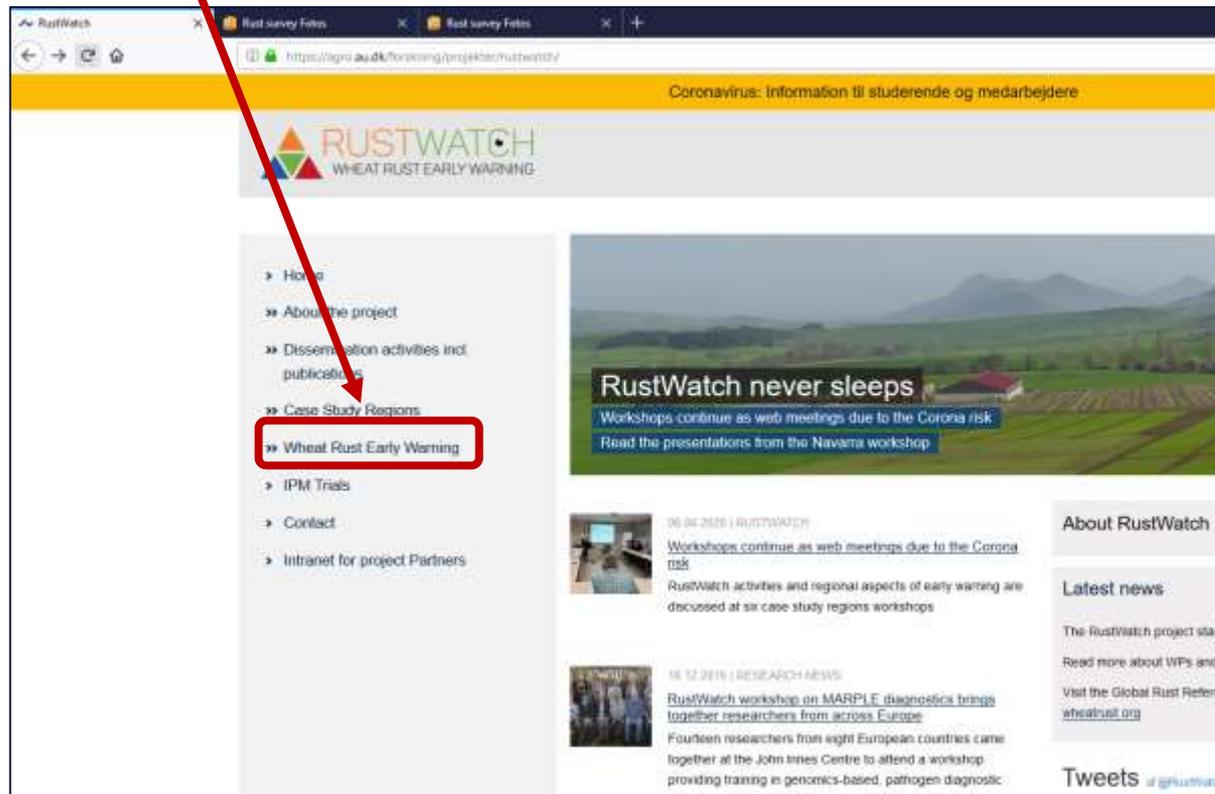


## Comment y accéder?

Le site Web RustWatch:

<https://agro.au.dk/forskning/projekter/rustwatch/>

➤ Wheat Rust Early Warning





# Comment entrer une observation?

## Type de blé

Common wheat

= Blé tendre

Durum wheat

= Blé dur

Triticale

= Triticale

## Nom de la variété

## Type de rouille observée

Yellow rust = rouille jaune

Leaf rust = rouille brune

Stem rust = rouille noire

Rust survey

– Info and help ⓘ

Date  
26.05.2020

Crop Type\*  
Common wheat

Growth stage  
No observation

Cultivar name\*

– Yellow rust ⓘ  
– Leaf rust ⓘ  
– Stem rust ⓘ

Comments

## Stade de croissance

Tillering = Tallage

Boot = Montaison

Heading = Epiaison

Flowering = Floraison

Milk = Stade laiteux

Dough = Stade pâteux

Maturity = Maturité

No observation

# Comment entrer une observation?

Sévérité de la maladie (%)



Table 1. Scale for assessment of disease severity in cereals and corresponding UPOV scale used in plant breeding and VCU testing. Wording updated 30 March 2020

Disease severity (%)	UPOV scale*	Color code	Symptoms on cereal, crop/plot level (indicative)			
			Leaf Rust	Yellow Rust	Powdery Mildew	Septoria/Tan spot
0	1	Green	No disease	No disease	No disease	No disease
0,1	2	Light Green	Few postules per plant	Few stripes per plant (foci)	Few colonies per plant	Max one spot per plant
0,5	3	Yellow	Few postules per plant	Few stripes per tiller	Few colonies per tiller	Max one spot per tiller
1	4	Light Yellow	Several postules per tiller (lower leaves)	Several lesions/stripes per tiller (lower leaves)	Several colonies per tiller (lower leaves)	Few spots per plant (lower leaves)
5	5	Orange	Lower leaves up to 10-25% coverage	Leaves with overlapping lesions	Lower leaves up to 10-25% coverage	Lower leaves up to 10-25% coverage
10	6	Red-Orange	Lower leaves typically 25% coverage or more			
25	7	Red	Lower leaves 50% coverage or more			
50	8	Dark Red	Half of leaf area senescent. lower leaves 75-100% coverage			
≥75	9	Dark Red	Almost no green leaf area left.			

\* Range of severities (in %) within the UPOV scale: 1: 0; 2: 0<x<0.1; 3: 0.1<x<0.5; 4: 0.5<x<1; 5: 1<x<5; 6: 5<x<10; 7: 10<x<25; 8: 25<x<50; 9: ≥50  
 UPOV scale: <https://www.upov.int/edocs/tgdocs/en/tg003.pdf>

# Comment entrer une observation?

## Insertion d'une photo

- Soit en allant la chercher dans les dossiers sur votre ordinateur /téléphone

- Soit en faisant une photo directement

The screenshot shows a web form for reporting 'Yellow rust'. At the top, there is a dropdown menu for 'Severity YR [%]' with 'No observation' selected. Below this is an 'Images' section containing a 'Picture' area. The 'Picture' area has a dashed border and contains the text 'Appuyez ici pour choisir un fichier image. (< 10MB)'. To the right of this text is a camera icon. Below the 'Picture' area is a small square button with a minus sign. At the bottom of the 'Images' section is a larger button with a plus sign. Red arrows point from the text annotations to these specific elements: one to the dashed border, one to the camera icon, one to the minus button, and one to the plus button.

Supprimer la photo

Ajouter une nouvelle photo

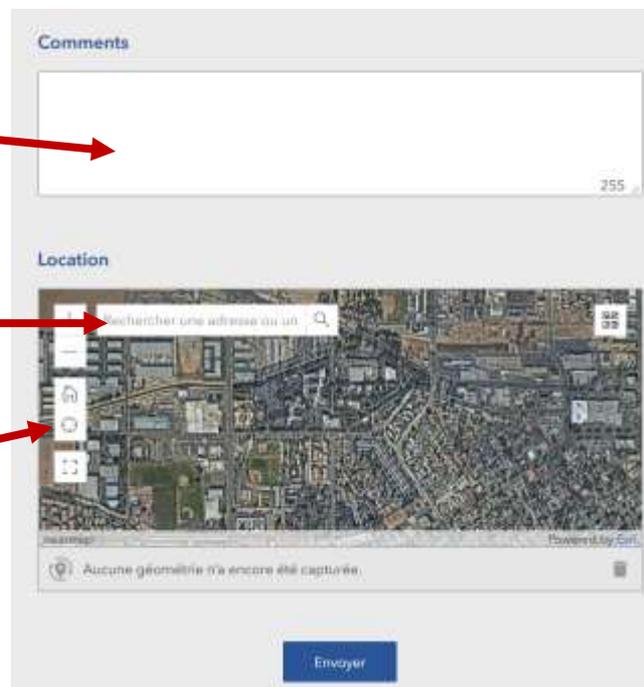
# Comment entrer une observation?

Ajouter un commentaire

Insérer la localisation de l'observation en la recherchant

Ou

Insérer la localisation en déterminant votre position



The screenshot shows a form with three main sections: 'Comments', 'Location', and an 'Envoyer' button. The 'Comments' section is a text input field with a character count of 255. The 'Location' section features a map interface with a search bar at the top that says 'rechercher une adresse ou un lieu'. Below the search bar are several map navigation icons. At the bottom of the map area, there is a status message: 'Aucune géométrie n'a encore été capturée.' The 'Envoyer' button is a blue rectangular button located at the bottom center of the form.

Envoyer votre observation



# Comment voir les observations ?

Pour consulter un point spécifique, d'abord cliquer ici !

The screenshot displays the 'Rust survey Fotos' web application. On the left, a detailed view of a specific observation is shown, including a photograph of wheat plants and associated metadata:

- Photo name: Oetro\_S1\_06.05.2020.jpg
- Location: Oetro
- Date: 5/6/2020 12:00 PM
- Crop Type: Common wheat
- Growth stage: Heading
- Cultivar name: Oetro (spelt)
- Severity YR (%): > 75
- Severity LR (%): No observation
- Severity SR (%): No observation
- Comments: Spelt trial

The main part of the interface is a map of Europe with various colored markers (red, yellow, green, purple) indicating observation locations. A red arrow points from the text above to a blue square icon on the map interface, which is used to click on a specific observation point.



**Un grand merci pour votre  
collaboration !**