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# New technologies for sharing and disseminating knowledge on tropical weeds for better management of pastures: the WIKTROP collaborative portal

Thomas Le Bourgeois, Vincent V. Blanfort, Pierre Gard, Prabhakar Rajagopal, Thomas Vattakaven

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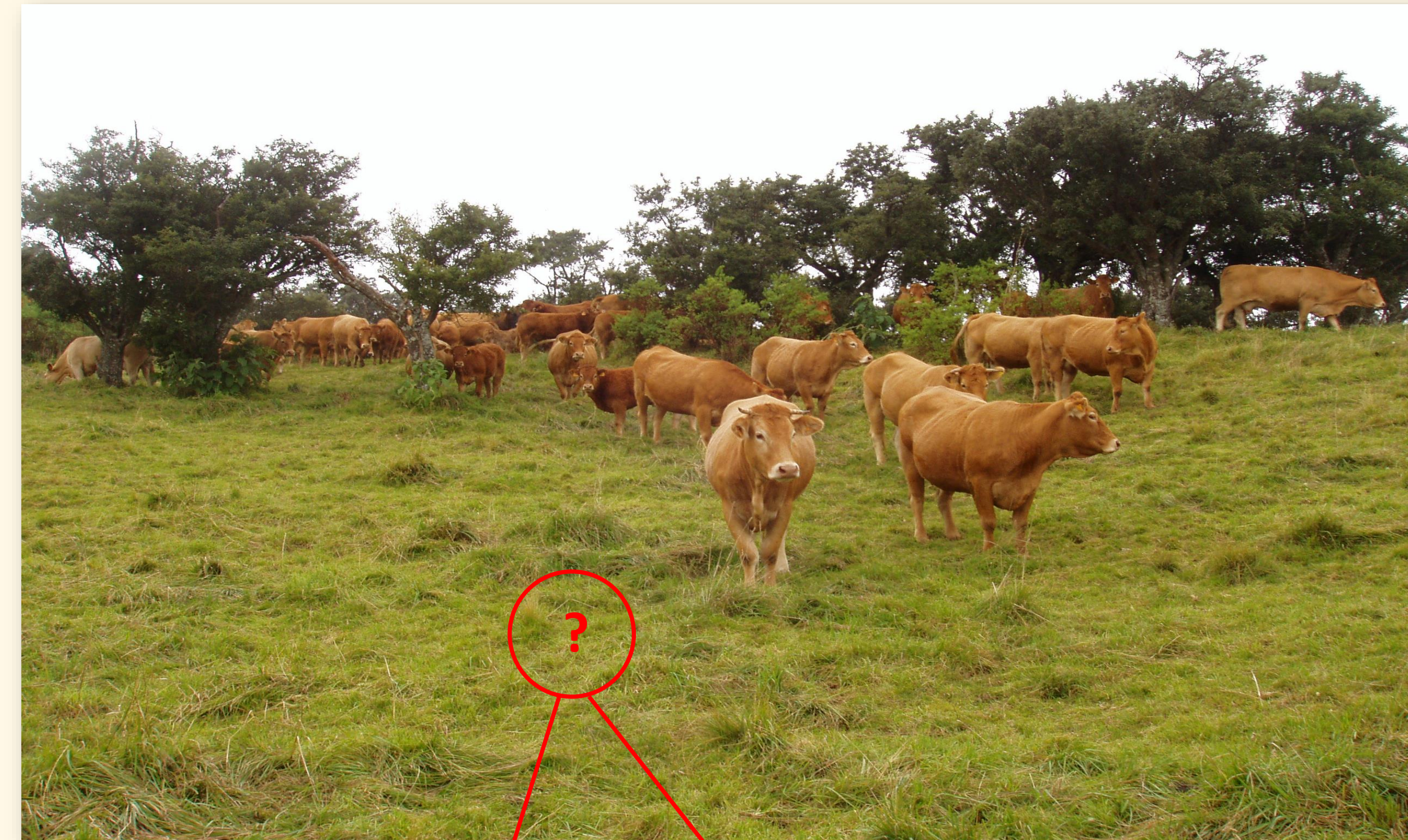
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# New technologies for sharing and disseminating knowledge on tropical weeds for better management of pastures: the WIKTROP collaborative portal

Thomas Le Bourgeois<sup>1</sup>, Vincent Blanfort<sup>2</sup>, Pierre Grard<sup>3</sup>, Prabhakar Rajagopal<sup>4</sup>, Thomas Vattakaven<sup>4</sup>

<sup>1</sup>CIRAD UMR AMAP, Univ. Montpellier, CNRS, INRAE, IRD, Montpellier, France  
<sup>2</sup>CIRAD UMR SELMET, Univ. Montpellier, INRAE, SupAgro, Montpellier France, [vincent.blanfort@cirad.fr](mailto:vincent.blanfort@cirad.fr)  
<sup>3</sup>CIRAD DGDORS, Nairobi, Kenya  
<sup>4</sup>Strand Life Science, Bangalore, India

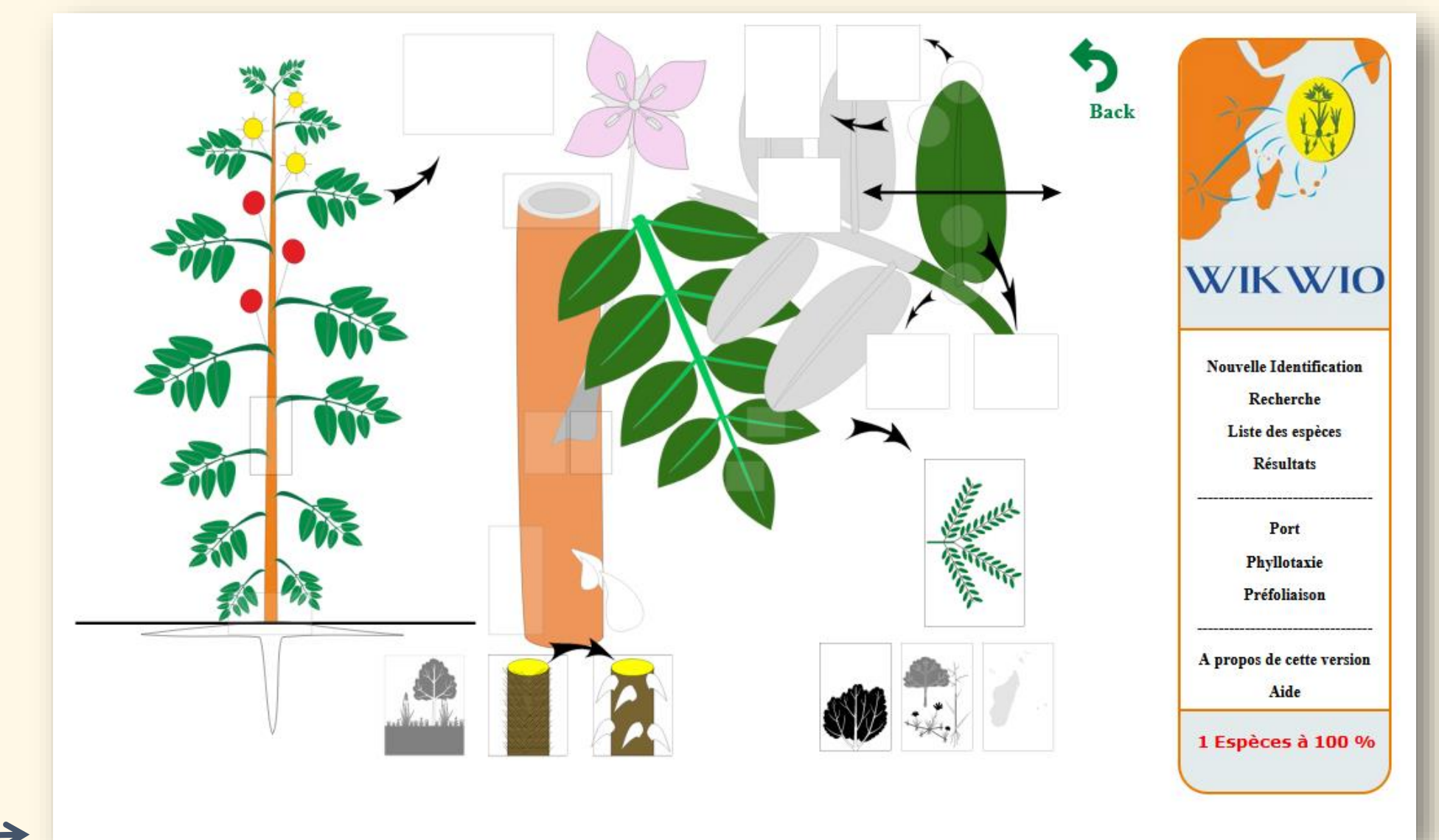
In tropical pastures, weeds are a significant threat and their control is an important issue depending in their ecological and economic impacts.



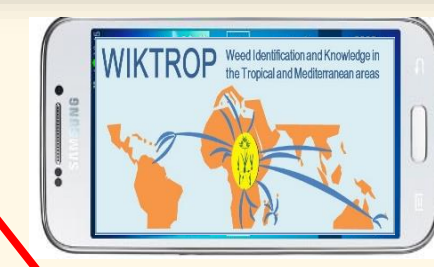
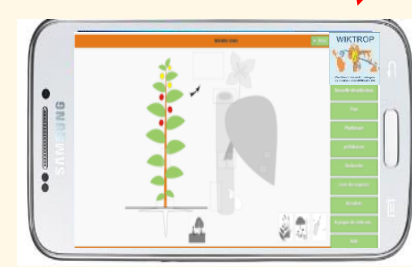
From exhaustive information on weed species, their behavior and their control, farmers can elaborate better strategies for pasture management and weed control

Plants that appear spontaneously in pastures can be native or exotic, can be harmful or/and beneficial depending on the point of view (agricultural, medicinal, food...) and its abundance. How can farmers access information on identifying and managing weeds? Is it necessary to eradicate or reduce the population of a particular species? Can farmers make knowledge-based decisions on the disadvantages and benefits of each species? WIKTROP aims to empower support farmers through free access to information and knowledge on weeds.

Wiktrop – IDAO identification system  
 Help identification by building the robot portrait of the plant



Identifying the weed with Wiktrop-IDAO, a robot portrait system

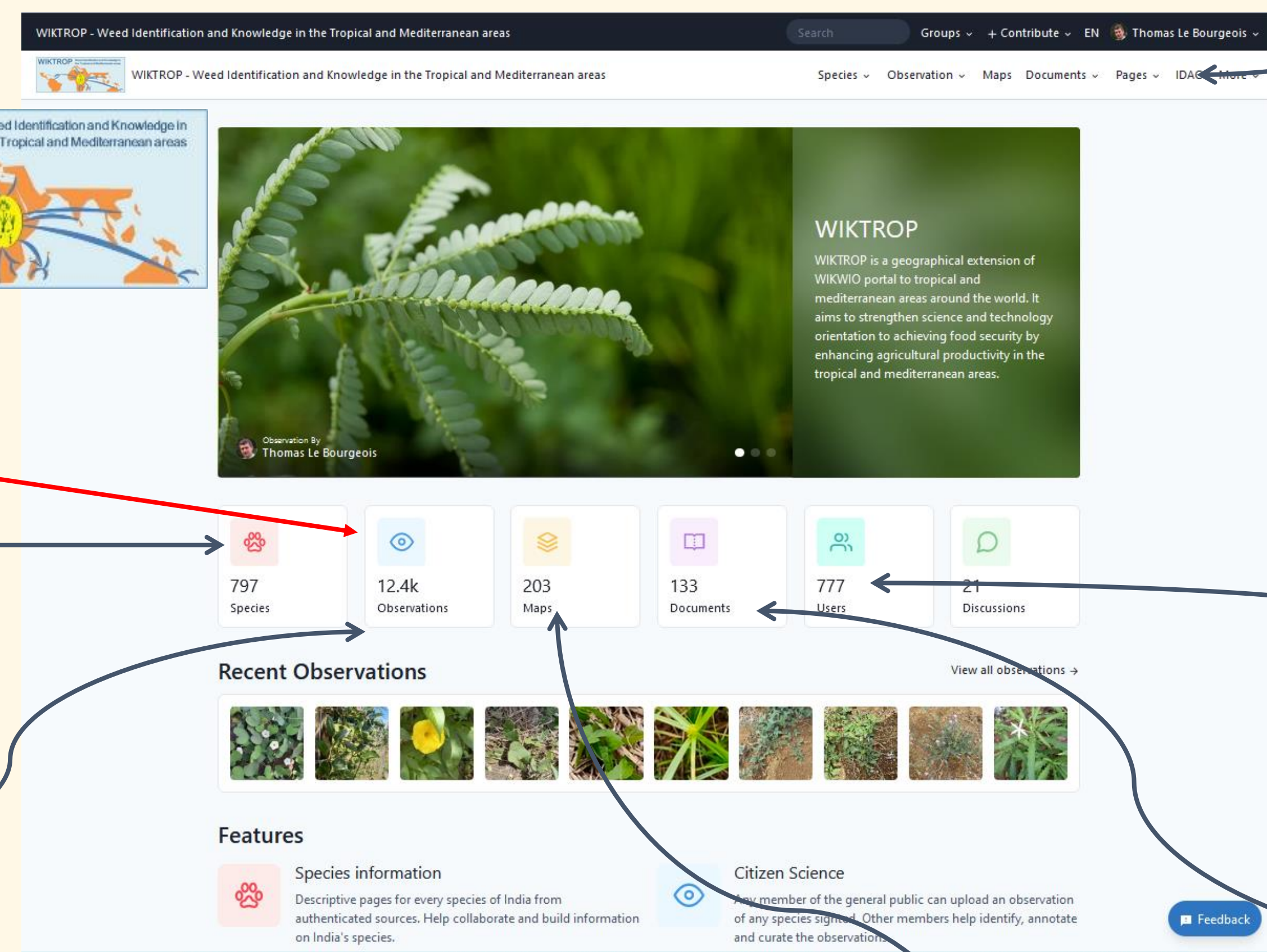


Taking pictures of the weed with Wiktrop app.

*Mimosa pudica* L.



Posting observations to the Wiktrop collaborative portal



769 Members (scientists, agronomists, lecturers, technicians, students, farmers)  
 31 450 Visitors

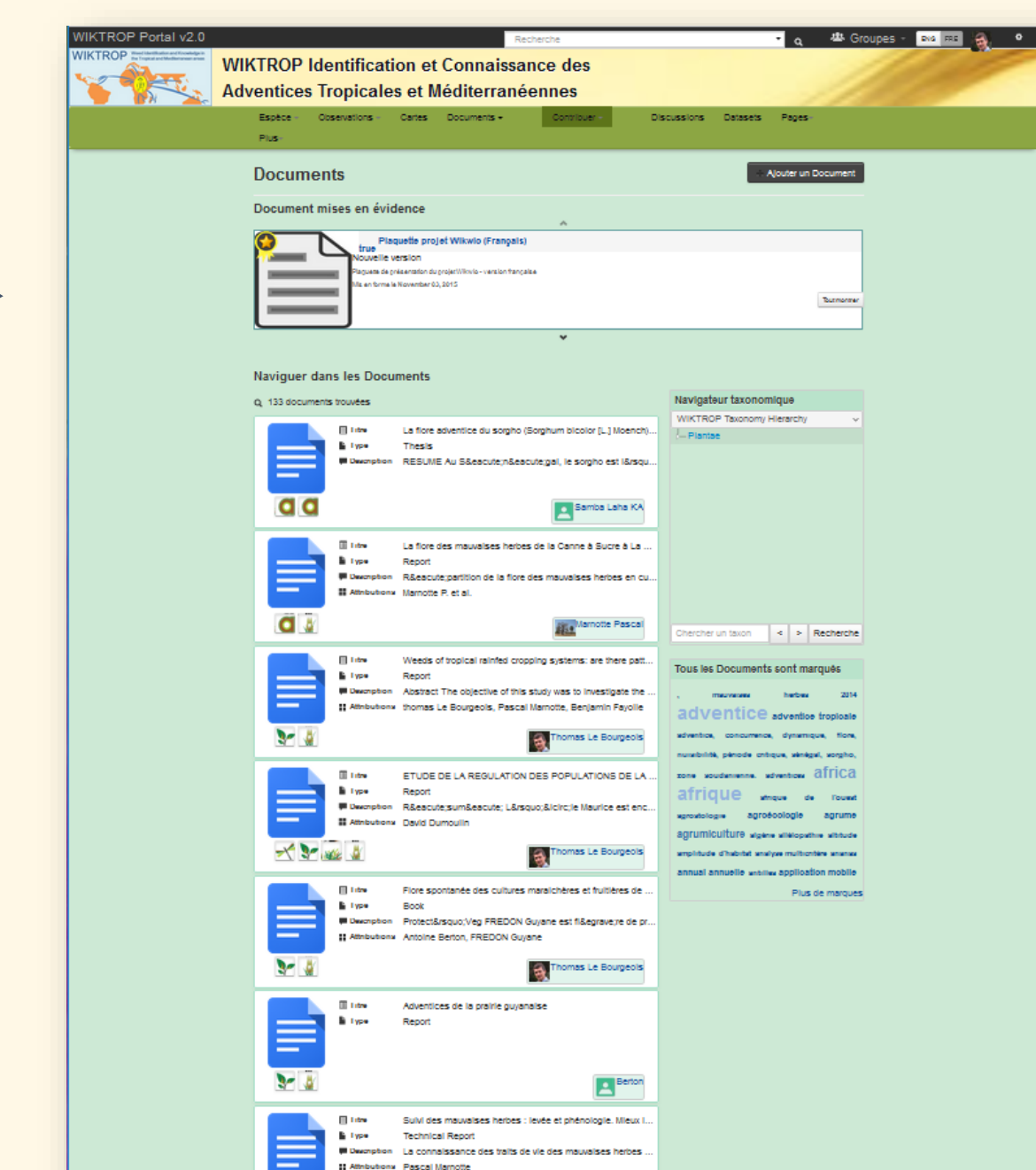
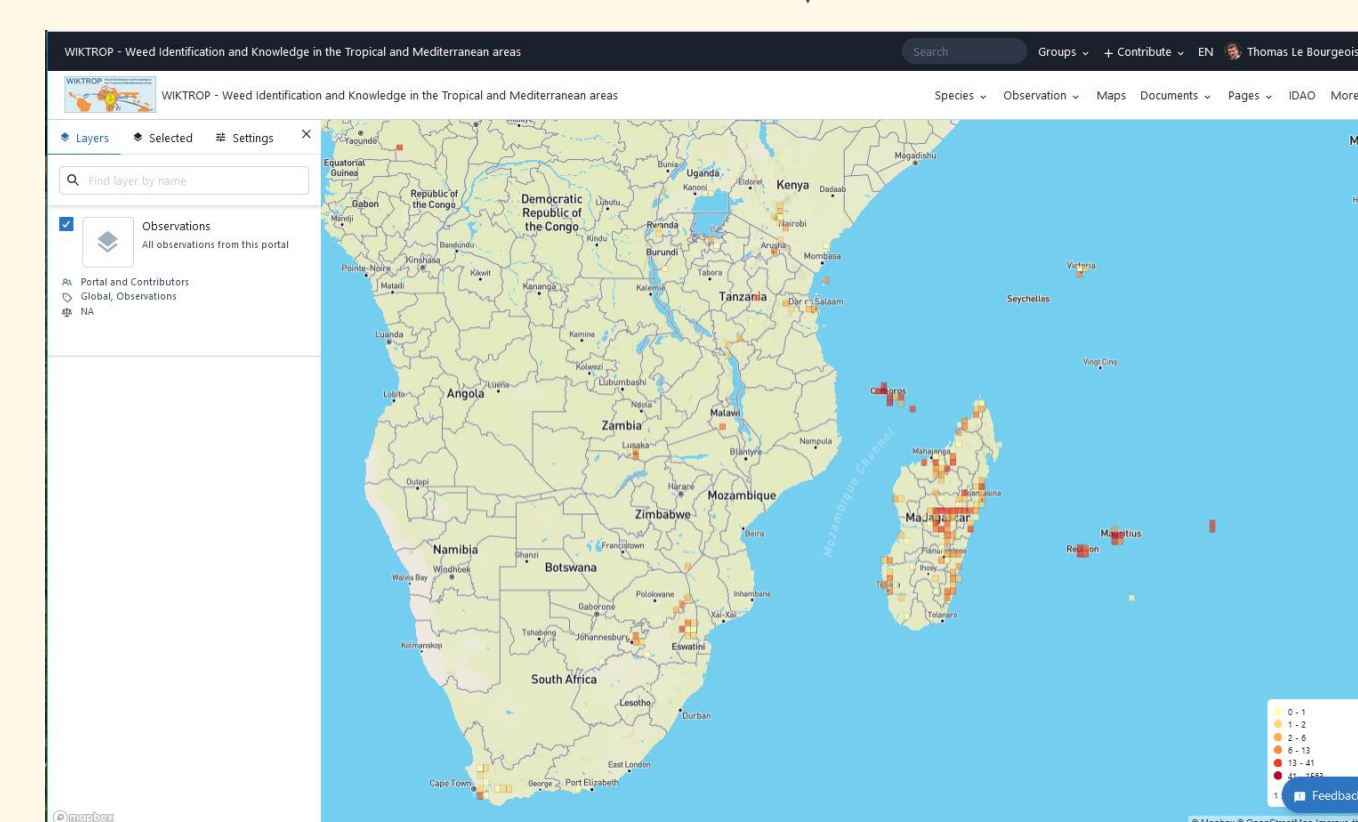


797 Species pages with details on  
 Taxonomy  
 Botanical description  
 Ecology  
 Biologie  
 Distribution  
 Harmfulness  
 Control  
 References

12 412 Observations  
 1 039 Species  
 45 758 Images

<http://portal.wiktrop.org>

Mapping of observations, with different map layers



133 Documents on weed science and weed management shared (technical, scientific, protocols, theses...)