

# Crowdsourcing biodiversity in Africa

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**WMA**  
WIKI MENTOR AFRICA

# Biodiversity in underrepresented languages using crowdsourcing

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# Wiki Mentor Africa (Team Biodiversity)

Who we are and what it is?

WMA program is designed to help new and inexperienced developers, programmers and technical writers in the African communities to make edits on Wikimedia projects

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19/08/2023



# Wiki Mentor Africa (Team Biodiversity) cont.

## Who we are and what it is?

WMA also mentor's Africans on building and maintaining Wikimedia tools and products by pairing Africa wikimedians with more experienced tool creators/contributors.

You can learn more about here

[https://www.wikidata.org/wiki/Wikidata:Wiki\\_Mentor](https://www.wikidata.org/wiki/Wikidata:Wiki_Mentor)

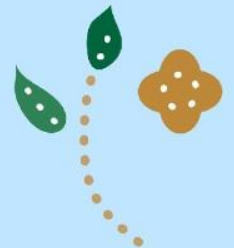
Africa

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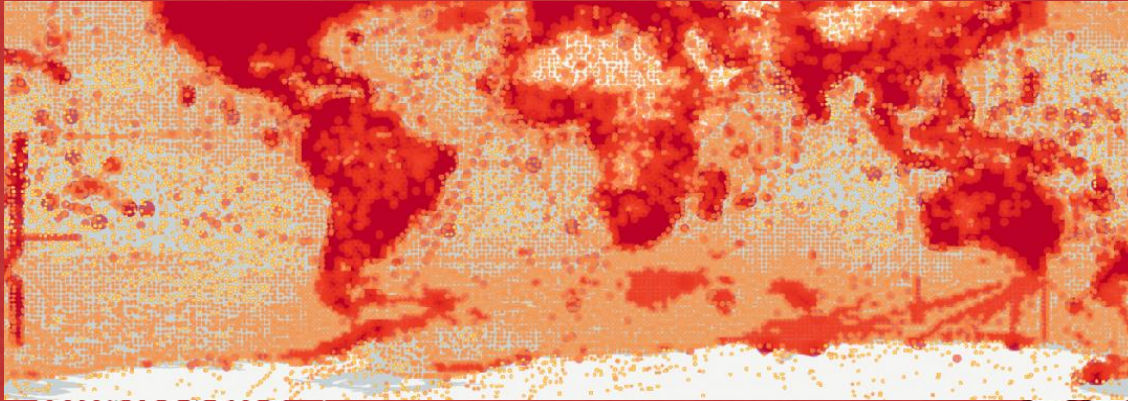
# Our workflow

- We observe nature through iNaturalist
- We collect our observations in our iNaturalist project: Wiki-mentor-africa-data-collection
- We use a jupyter notebook to build Wikipedia stubs in Dagbani, English and Igbo:  
<https://github.com/wikiproject-biodiversity/taxonname-wpstubmaker>



# Problem

Observations on the biodiversity of sub saharan africa lack coverage



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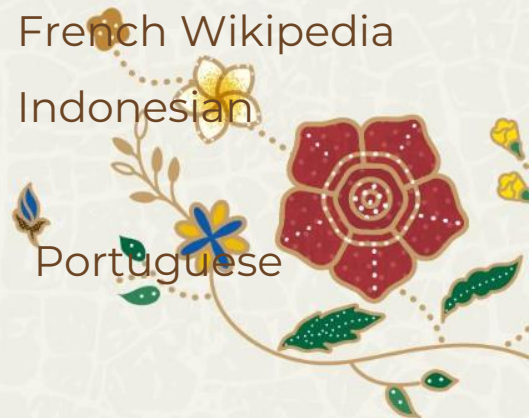
# Problem

Knowledge on our Biodiversity in Wikipedia is unequally distributed across different languages

Wikidata contained approx 3.5 million(03 jan 2022) wikidata items on taxa.  
Which links to:

- 1.324.617 Swedish Wikipedia
- 1.134.345 Waray Wikipedia
- 911.647 Dutch Wikipedia
- 794.753 Vietnamese Wikipedia
- 420.336 English Wikipedia
- 178.661 Spanish Wikipedia
- 166.113 Minangkabau Wikipedia
- 131.434 French Wikipedia
- 126.149 Indonesian Wikipedia
- 104.466 Portuguese Wikipedia

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# Continues

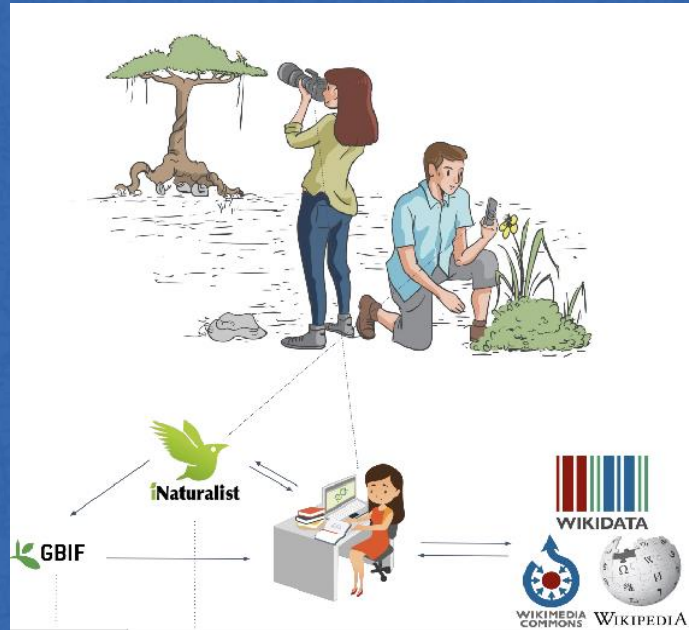
- 16.615 Afrikaans Wikipedia
- 955 Swahili Wikipedia
- 465 Hausa Wikipedia
- 431 Bambara Wikipedia
- 416 Amharic Wikipedia
- 446 **Dagbani Wikipedia**
- 366 Yoruba Wikipedia
- 287 Malagasi Wikipedia
- 255 Ewe Wikipedia
- 123 **Igbo Wikipedia**

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# Crowd curation



- Observe nature with iNaturalist
- Curated iNaturalist observation are shared with GBIF
- These curated iNaturalist observations can be reuse in Wikidata, Wikipedia and Wikimedia Commons

# Wikipedia stub in English

1. Title & short description
2. Infobox
3. Link to Wikimedia Commons
4. Link to external identifiers
5. Link to other language versions

The screenshot shows a Wikipedia article for *Hebenstretia cordata*. The article is a stub, indicated by the message "This article is a stub. You can help Wikipedia by expanding it." The page is annotated with five numbered callouts:

- 1**: Points to the title and short description: *Hebenstretia cordata*, also known by its common name **Beach Slugwort** is a species from the genus *Hebenstretia*.
- 2**: Points to the infobox, which includes a photograph of the plant and its scientific classification (Kingdom: Plantae, Class: Tracheophytes, Order: Lamiales, Family: Scrophulariaceae, Genus: *Hebenstretia*, Species: *H. cordata*).
- 3**: Points to the "See also" section, which lists external identifiers such as Wikidata: Q15304503, GBIF: 37259542, and others.
- 4**: Points to the "References" section, which contains three references.
- 5**: Points to the "Languages" section, which lists other language versions of the article.

The page also features a sidebar with navigation links, a search bar, and a footer with the Wikimania Singapore logo and various organizational links.

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Logo 1

Logo 2

Logo 3

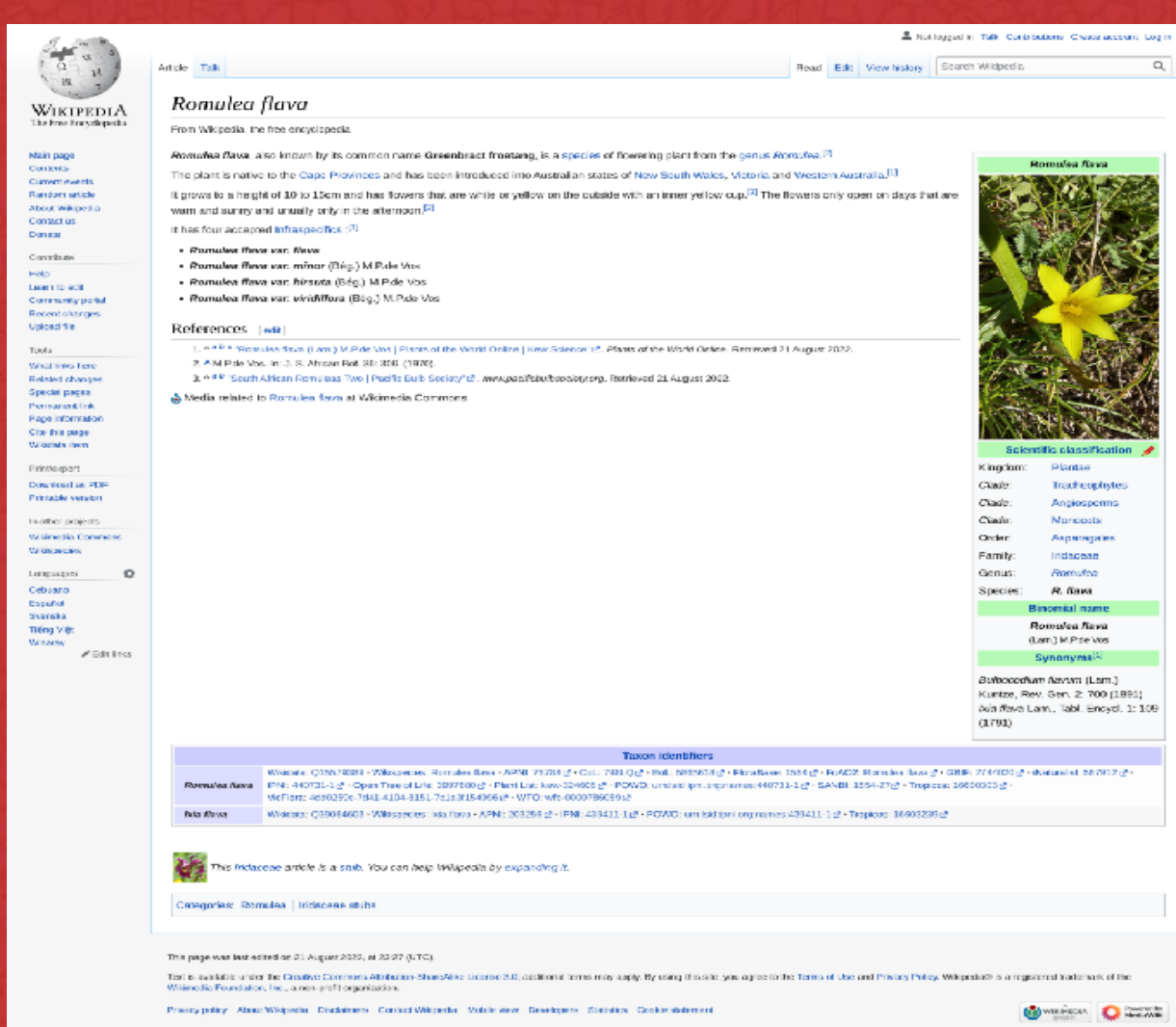
Logo 4



# Aim

- Provide a starting point for Wikipedia editors
- Increase the findability Of existing knowledge

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The screenshot shows the Wikipedia article for *Romulea flava*. The article text includes the title, a brief description, and a list of subspecies. The sidebar on the right features a photograph of the plant and a table of its scientific classification. The bottom of the page includes a 'Taxon identifiers' section and a notice about the article's status.

**Article** Talk Read Edit View history Search Wikipedia

## Romulea flava

From Wikipedia, the free encyclopedia

**Romulea flava**, also known by its common name **Greenbract frostfang**, is a species of flowering plant from the genus *Romulea*.<sup>[1]</sup> The plant is native to the Cape Provinces and has been introduced into Australian states of New South Wales, Victoria and Western Australia.<sup>[1]</sup> It grows to a height of 30 to 15cm and has flowers that are white or yellow on the outside with an inner yellow cup.<sup>[2]</sup> The flowers only open on days that are warm and sunny and usually only in the afternoon.<sup>[1]</sup> It has four accepted *infraspecifics*:<sup>[1]</sup>

- *Romulea flava* var. *flava*
- *Romulea flava* var. *minor* (Bégl.) M.P.de Vos
- *Romulea flava* var. *hirsuta* (Bégl.) M.P.de Vos
- *Romulea flava* var. *viridiflora* (Bégl.) M.P.de Vos

### References

- ↑ *Romulea flava* (Lam.) M.P.de Vos [*Plant of the World Online*] [*How Science*] [*Plants of the World Online*]. Retrieved 21 August 2022.
- ↑ M.P.de Vos in J. R. Aitchison (Ed.) *Rosaceae* (1976).
- ↑ "South African Romuleas Two [*PaedF Sub Society*]. *www.paedfsub.org* (retrieved 21 August 2022).

**Media related to** *Romulea flava* **at Wikimedia Commons**

Scientific classification	
Kingdom:	Plantae
Class:	Tracheophytes
Order:	Angiosperms
Class:	Narcotals
Order:	Asperagales
Family:	Indicaceae
Genus:	<i>Romulea</i>
Species:	<i><b>R. flava</b></i>
Binomial name	
<span><i>Romulea flava</i></span> <span> </span> <span>(Lam.) M.P.de Vos</span>	
Synonyms	
<div> <ul style="list-style-type: none"><li><i>Bulboceum flavum</i> (Lam.) Kuntze, Rev. Gen. 2: 700 (1851)</li> <li><i>Rua flava</i> Lam., Tabl. Encycl. 1: 130 (1793)</li></ul> </div>	

Taxon identifiers	
<b><i>Romulea flava</i></b>	Wikidata: <span>Q1507808</span> – Wikispecies: <i>Romulea flava</i> – APN: 75368 <span>?</span> – Coll.: 7881 <span>?</span> – Pfl.: 8896018 <span>?</span> – FlorsWeb: 1556 <span>?</span> – RuG2: <i>Romulea flava</i> <span>?</span> – GBIF: 7749103 <span>?</span> – Global: 887917 <span>?</span> – IPNI: 440731-1 <span>?</span> – Open Tree of Life: 3897509 <span>?</span> – Plant List: <i>kew-324903</i> <span>?</span> – POWO: <i>romulea-flava</i> <span>?</span> – SANBI: 3254-27 <span>?</span> – Tropicos: 1662002 <span>?</span> – WoRMS: 4690250-7841-4134-2151-7212-81540664 <span>?</span> – WFO: <i>wfo-0000796059</i> <span>?</span>
<b><i>Rua flava</i></b>	Wikidata: <span>Q3004603</span> – Wikispecies: <i>Rua flava</i> – APN: 203266 <span>?</span> – Pfl.: 433411 <span>?</span> – POWO: <i>rua-flava</i> <span>?</span> – SANBI: 439411 <span>?</span> – Tropicos: 3690239 <span>?</span>

This Indicaceae article is a stub. You can help Wikipedia by expanding it.

Categories: Romulea | Indicaceae stubs

This page was last edited on 21 August 2022, at 20:27 (UTC).

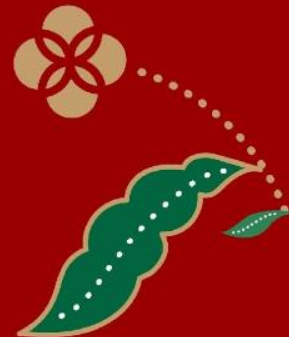
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# Introducing Databox

- Installation of data if non existent
- [Resource](#)
- Invoke the Databox template `{{Databox}}`
- The Databox is customizable



# Open call to all

## iNaturalist Wiki Mentor Africa Identifiers

-iNaturalist

**151,653,162**

-Species **431,718**

-Identifiers **320,162**

-Observers **2,760,314**

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# Acknowledgements

1. **Benedict Udeh** - Organiser of Wiki Mentor Africa
2. **Andra Waagmeester** - Mentor for this project

1. **Dagbani Wikimedians User Group**
2. **Igbo Wiki community**
3. **iNaturalist community**

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# Speakers



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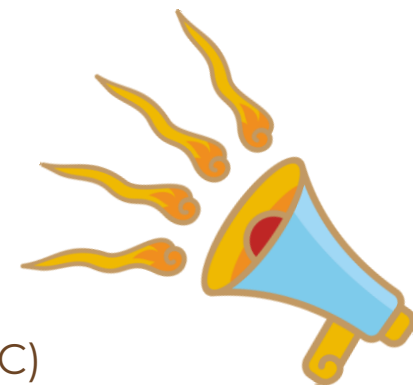
**Mohammed  
Kamal-  
Deen, Fuseini**  
Co-lead Gurene  
Wikimedia  
Community,  
Trainer Dagbani  
Wikimedians User  
Group



**Mugisu  
Suhuyini,  
Fuseini**  
Social Media  
Manager, Dagbani  
Wikimedians User  
Group



**Agnes Ajuma,  
Abah**  
Co-Founder Igala  
Wikimedia  
Community,  
Igbo Wikimedians  
User Group,



Saturday, August 19 (07:45-08:00 UTC)