# VitiOeno, a Digital Resource Center for the Production of FAIR Data

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**[2]IFV, France**

Avec la contribution financière du compte d'affectation spéciale développement agricole et rural CASDAR

MINISTÈRE DE L'AGRICULTURE ET DE L'ALIMENTATION
*Liberté Égalité Fraternité*

# Sharing and reuse of data, a growing need

- Global climate change is disrupting our established knowledge
- To adapt the vineyard to these new challenges, we must improve the sharing and reuse of data
- Collecting quality data is costly in time and budget
- Data acquired here today may be useful elsewhere tomorrow

**The lifecycle of data management.**

Source: https://dynamics.folio3.com/blog/what-are-the-three-main-goals-of-data-lifecycle-management-dlm/

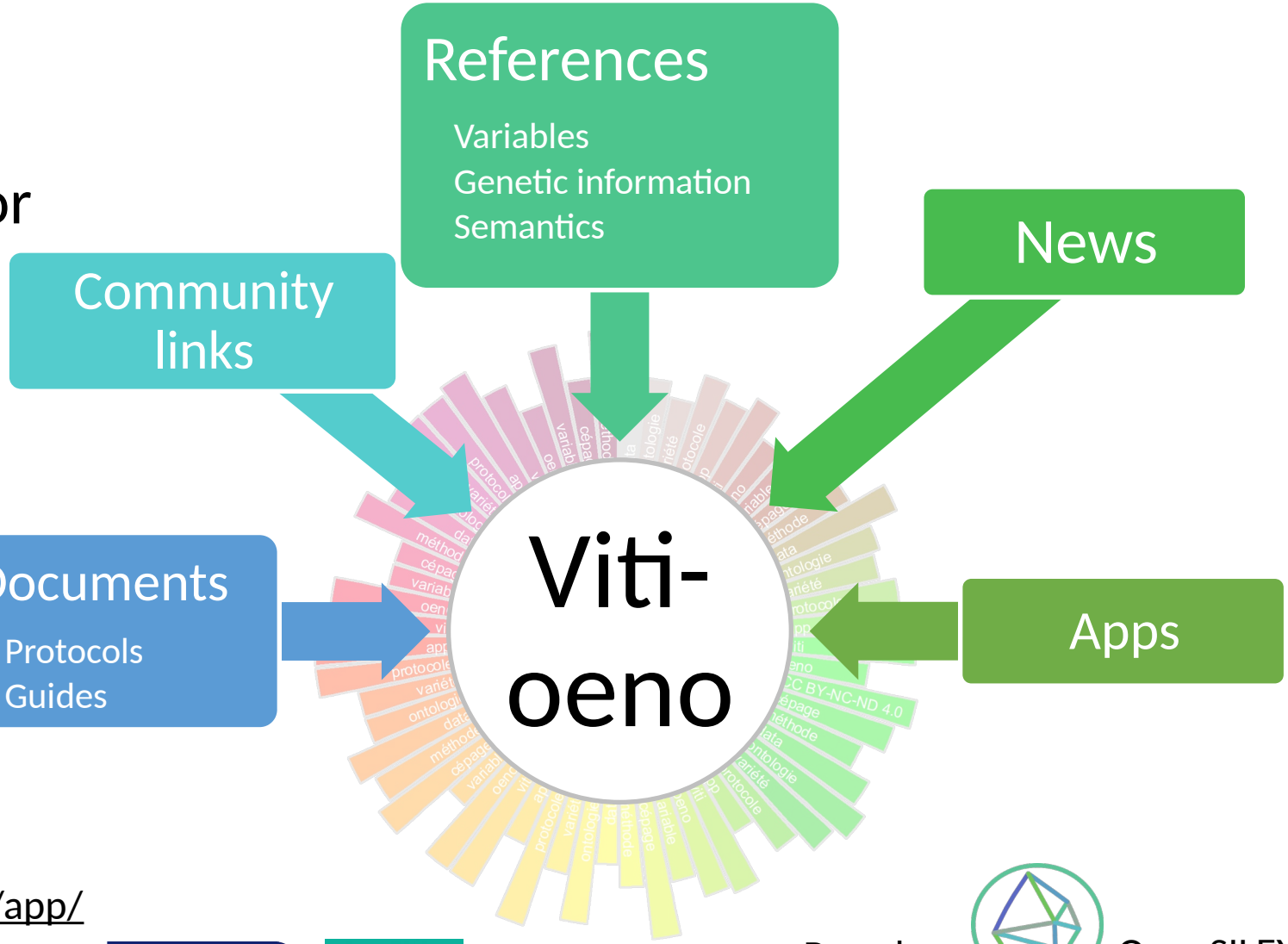
# But not an easy way…

- Why actors don’t share data ?
  - Scooping
  - Lack of time
  - Lack of incentives
  - Unclear value
  - Unclear process
  - Inappropriate use

✉ A need for ressources and tools to facilitate the FAIRisation of data

# A web resources center

- The VITIS DATA CROP project
- A unique web center for the vine and wine scientific community
- Free access



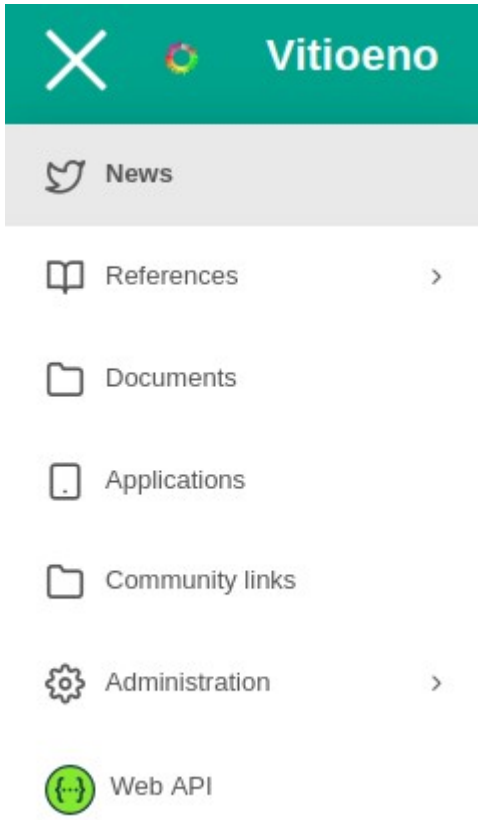

https://vitioeno.mistea.inrae.fr/resource/app/

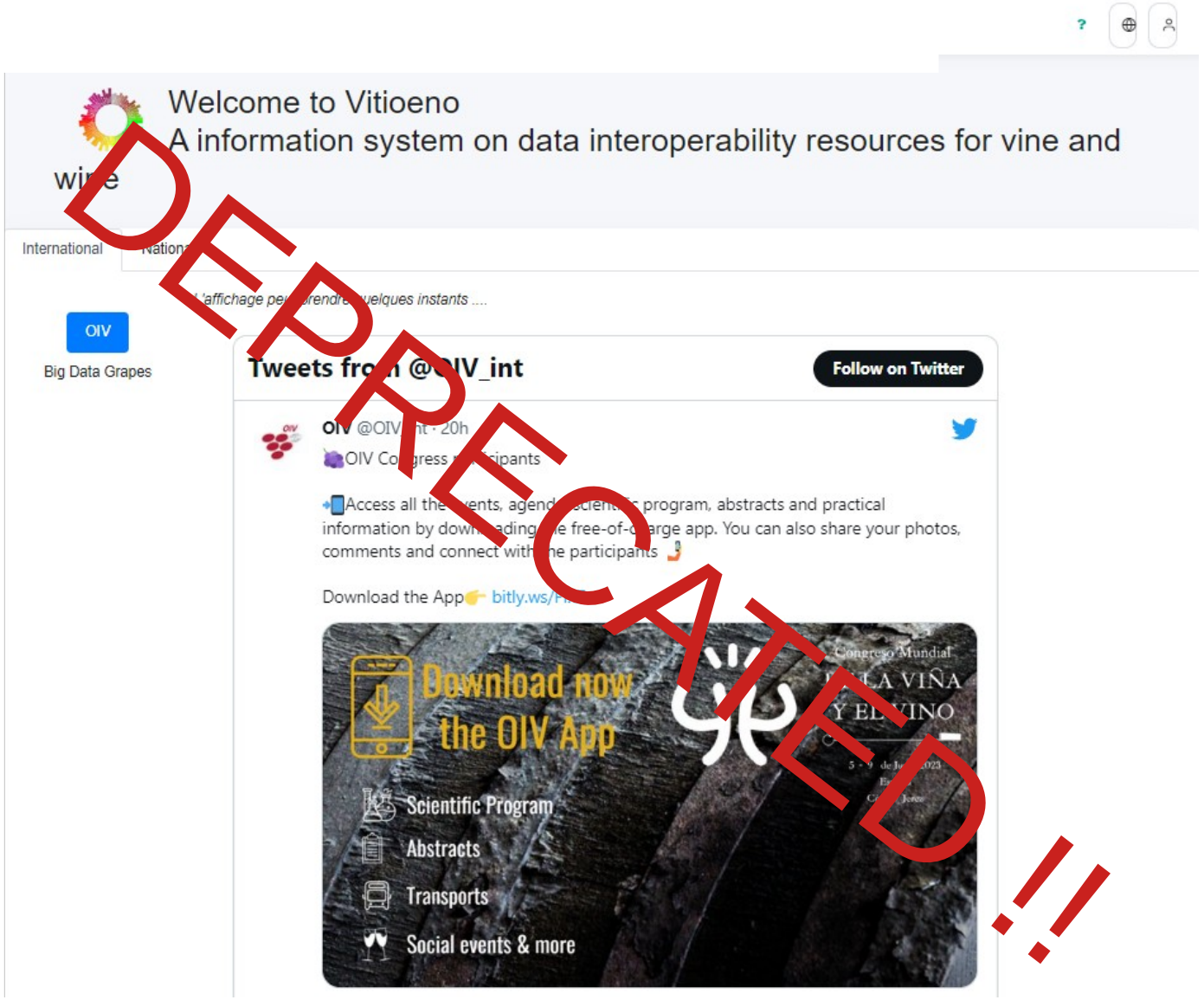
http://opensilex.org/

Based on OpenSILEX

# News

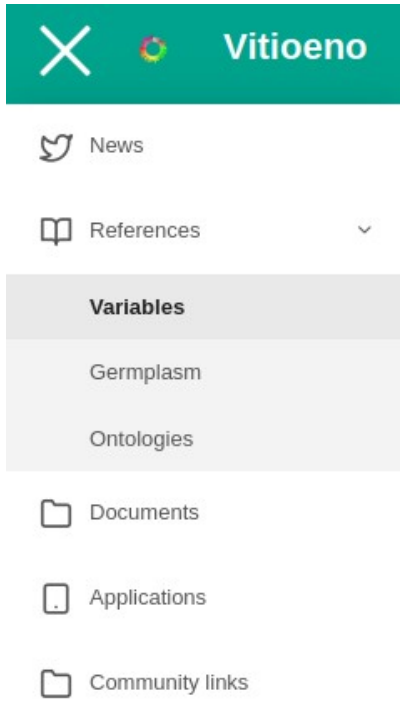
- News from several twitter accounts

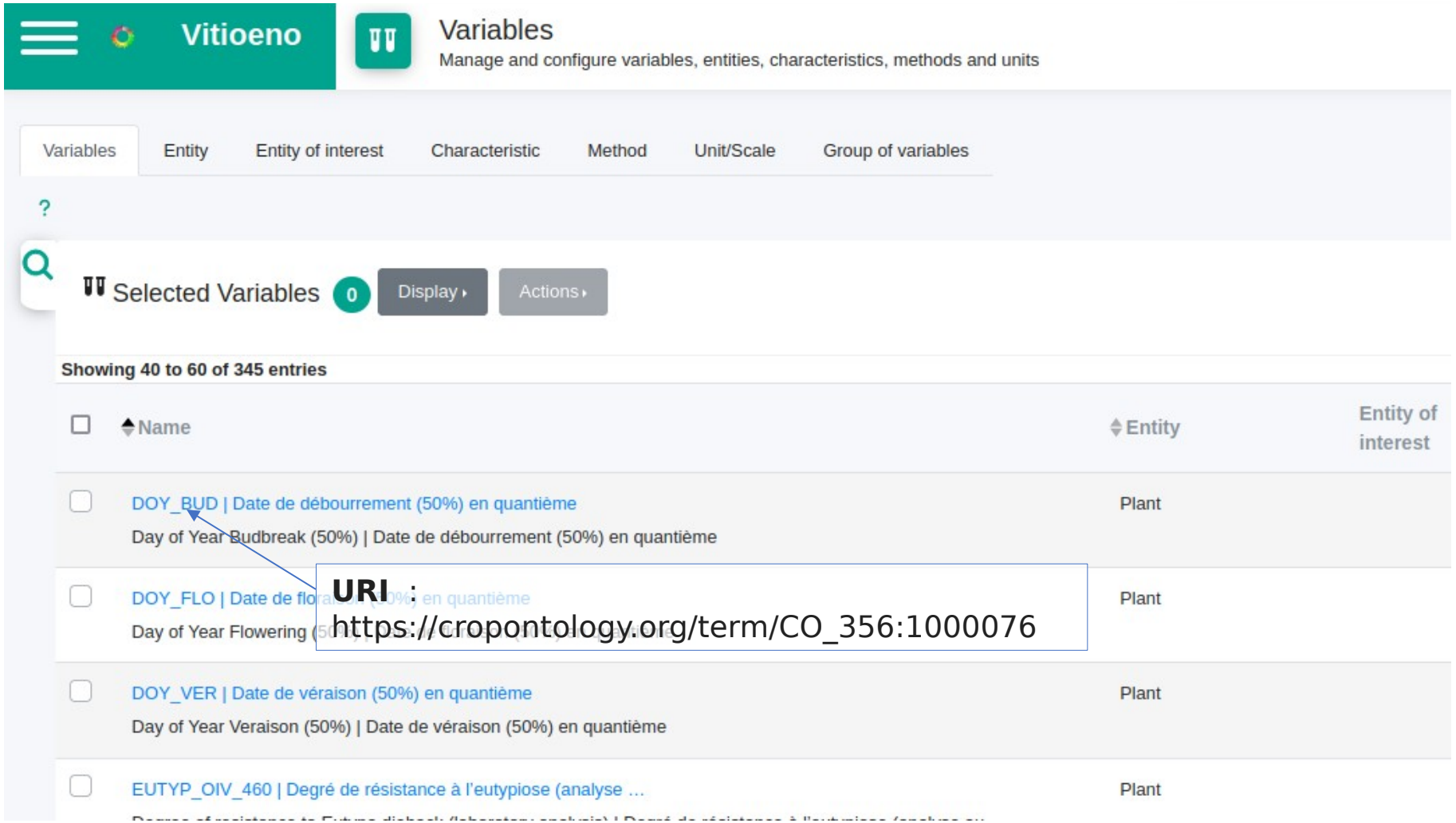


# Variables: the VITIS Ontology

A friendly access to the **VITIS ONTOLOGY** (Grape Ontology including OIV and bioversity descriptor)



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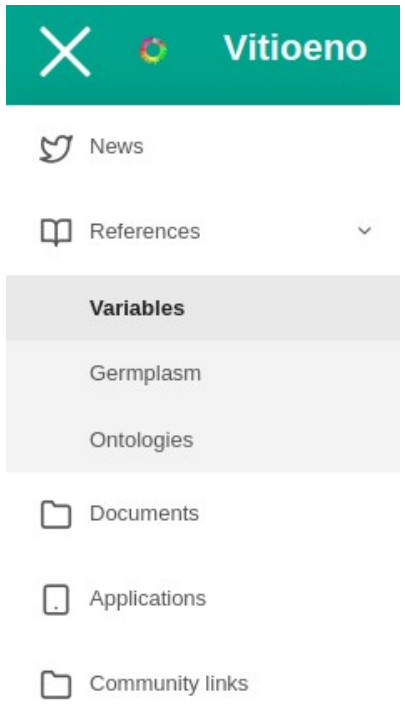
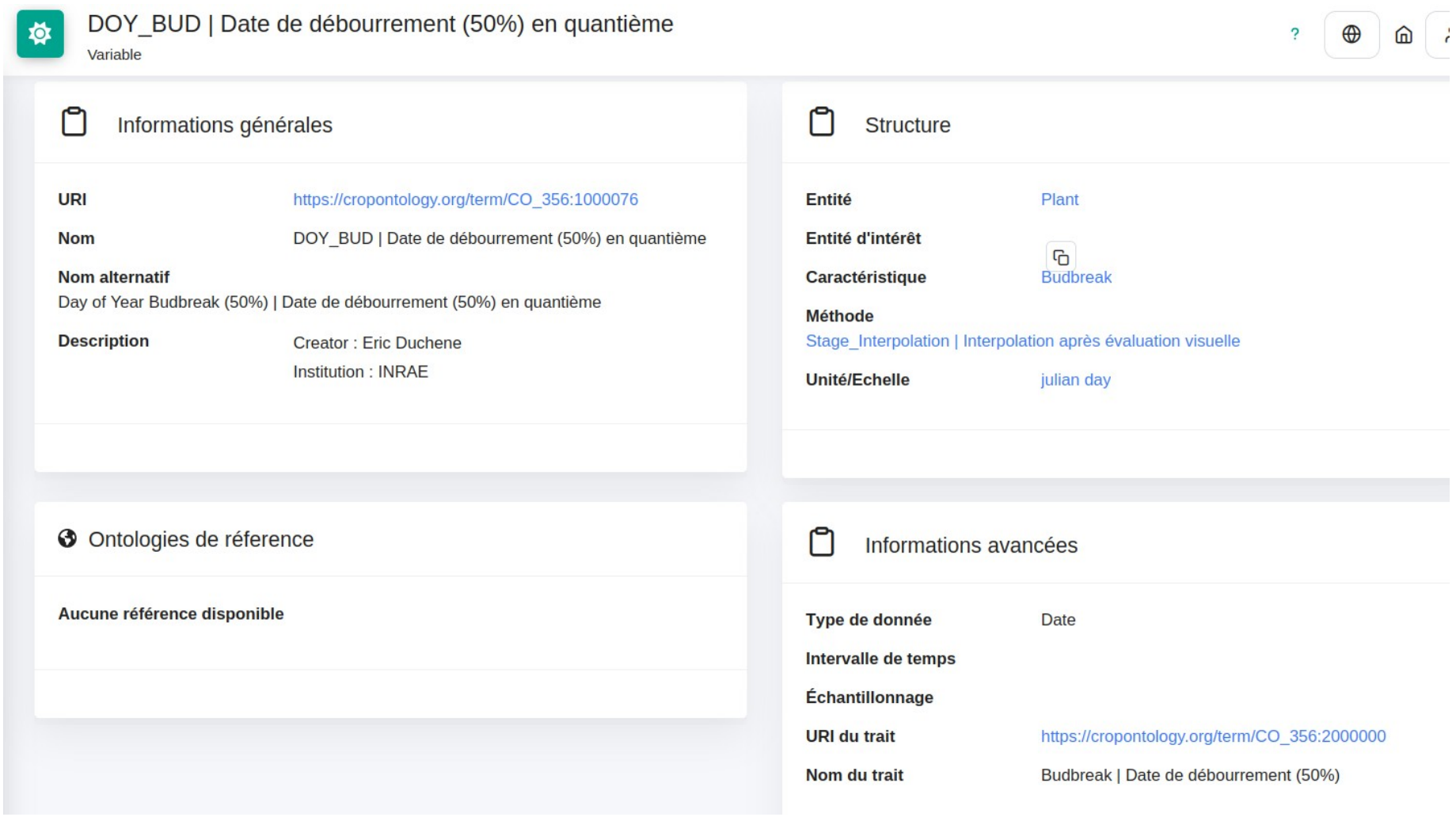
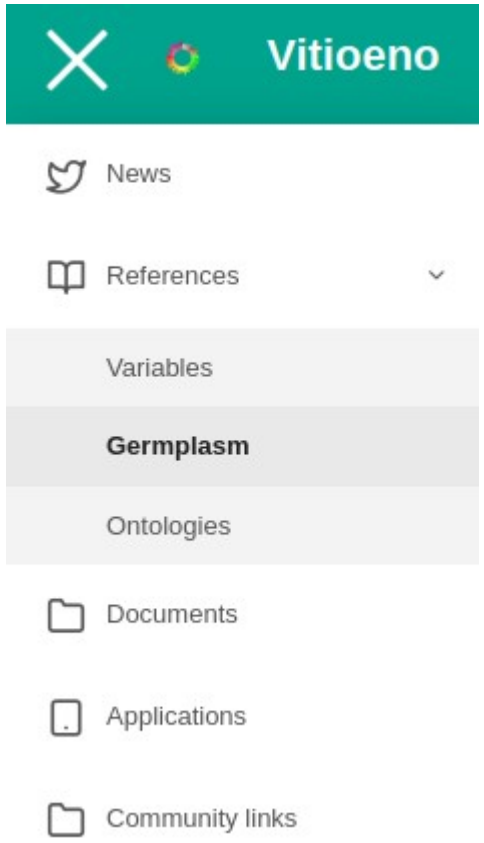
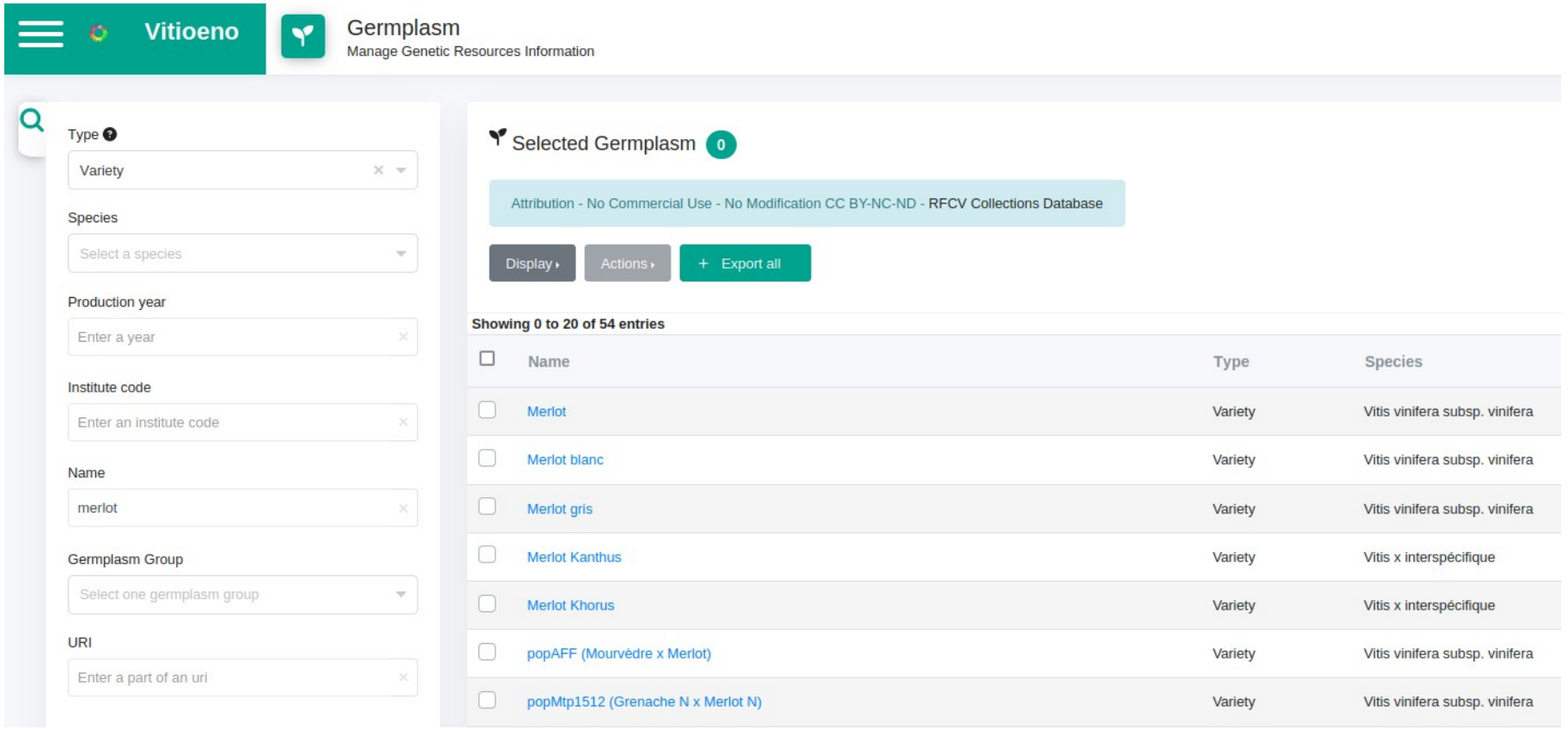


# Genetic references (URI)

A friendly access to the **RFCV database including species, varietes, accesions, etc.**




IFV INRAE

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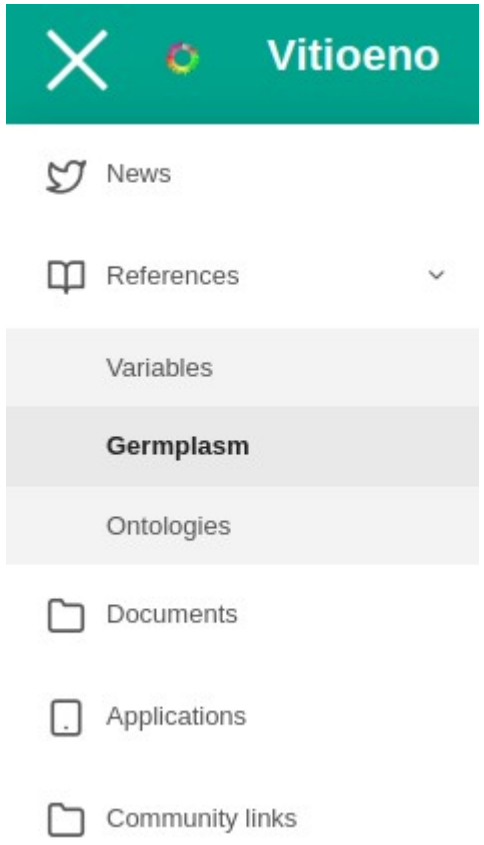


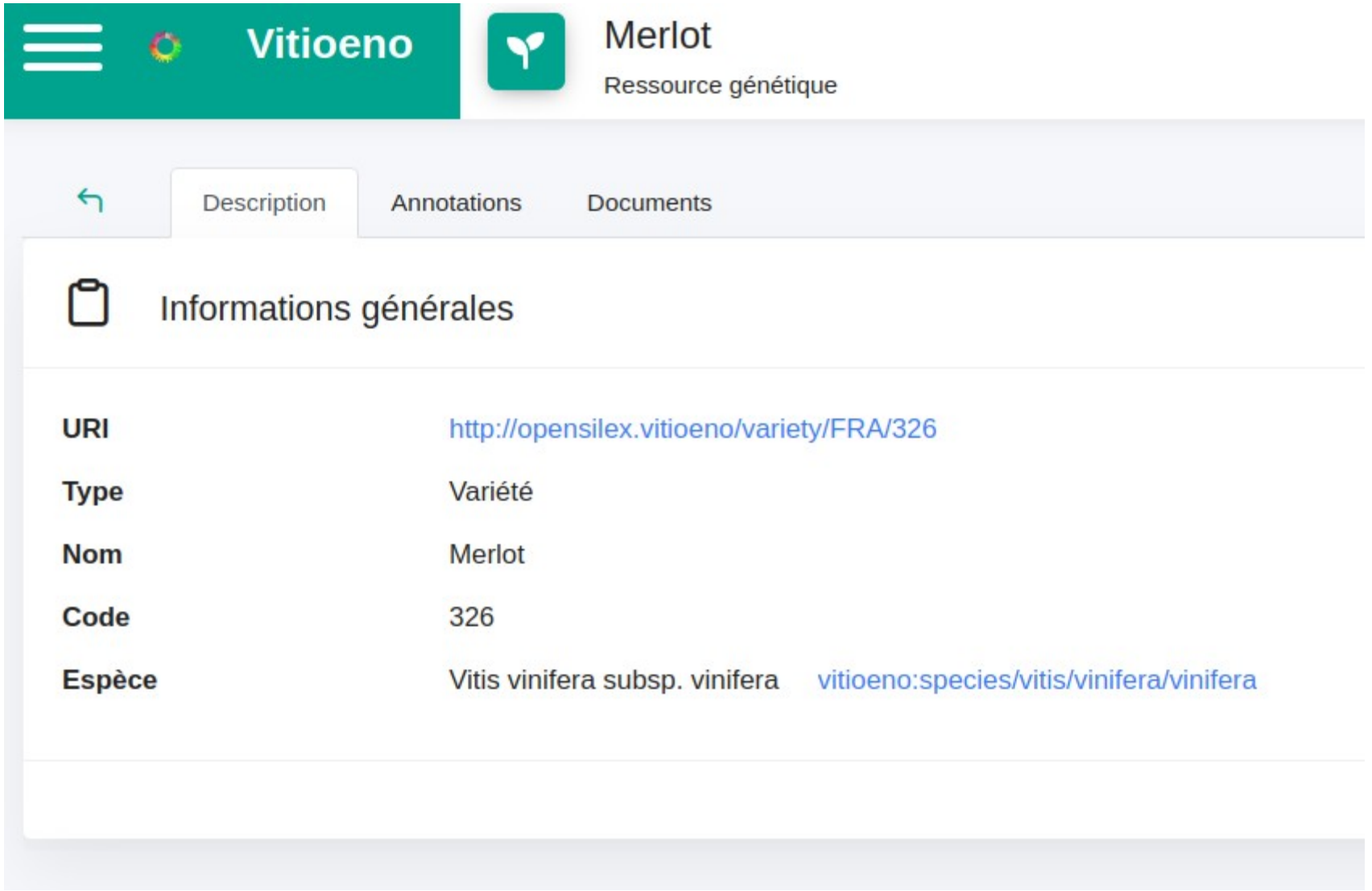

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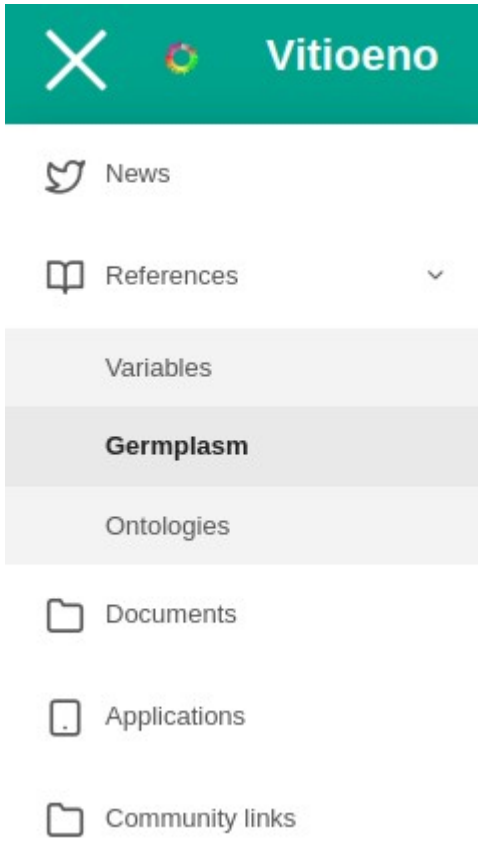
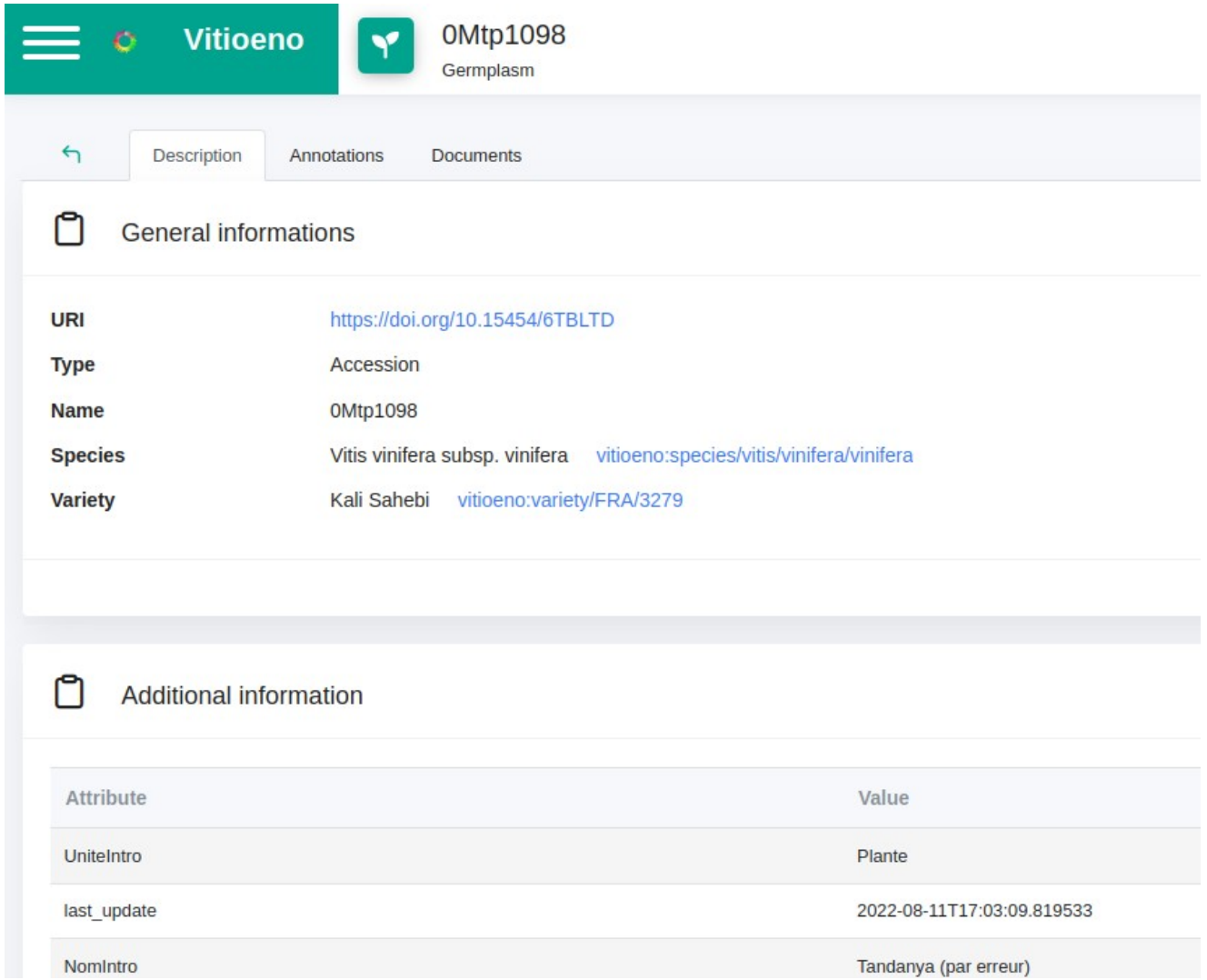
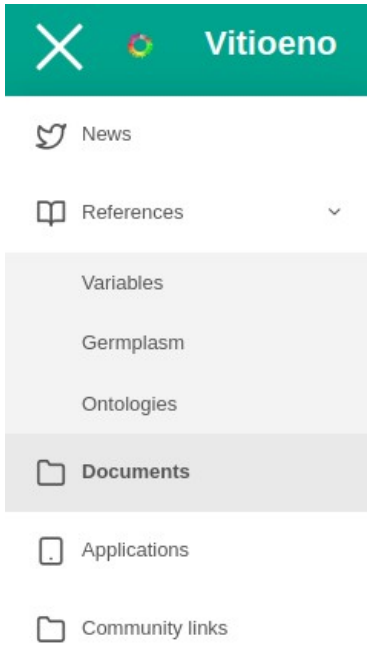


# Documents (URI)

- A set of available documents :
  - Protocols
  - Technical guides
  - Datasets
  - Etc.




VitiOeno

Phénologie de la vigne: quels stades observer et comment?
Document

identifiers

URI
vitioeno-ressource:id/document/phnologie_de_la_vigne_...

Identifier
Https://doi.org/10.15454/1.5514275483910464e12

metadata

Type Technical Document

Title
Phénologie de la vigne: quels stades observer et comment?

Date

Description
Fiche protocole d'observation des principaux stades phénologiques de la vigne (débourrement, floraison et véraison)

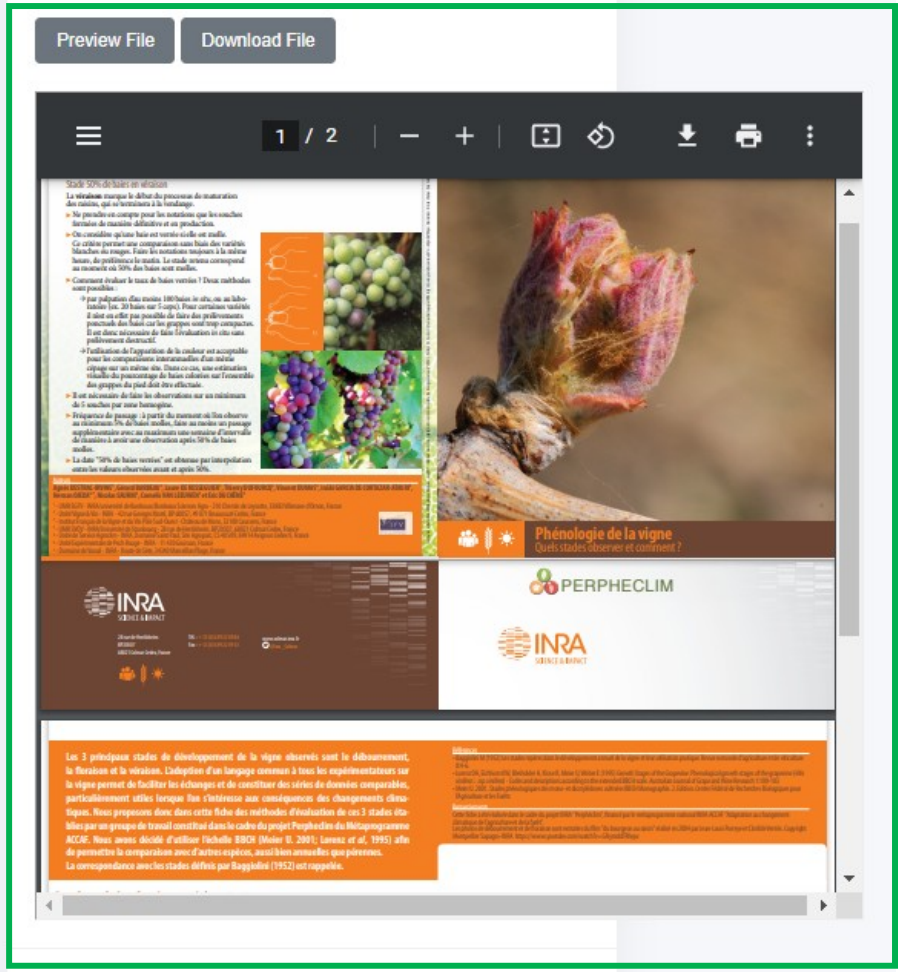
Target

Authors
Destrac-Irvine, Agnès
Barbeau, G.
de Resseguier, L.
Dumas, Vincent
García de Cortázar-Atauri, Inaki
Ojeda, Hernan
Saurin, Nicolas
van Leeuwen, Cornelius
Duchêne, Eric
Dufourcq, Thierry

Language Fr

Format Pdf

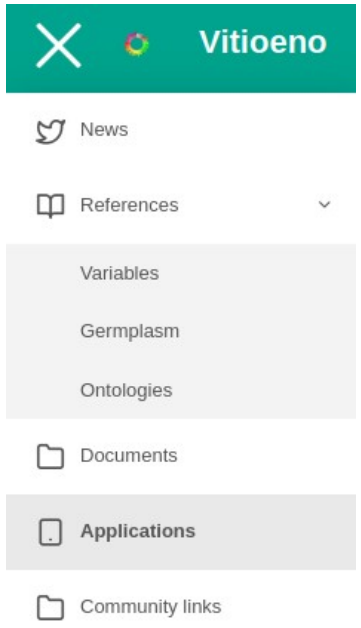
Keywords
Phénologie - débourrement - floraison - véraison - vigne -



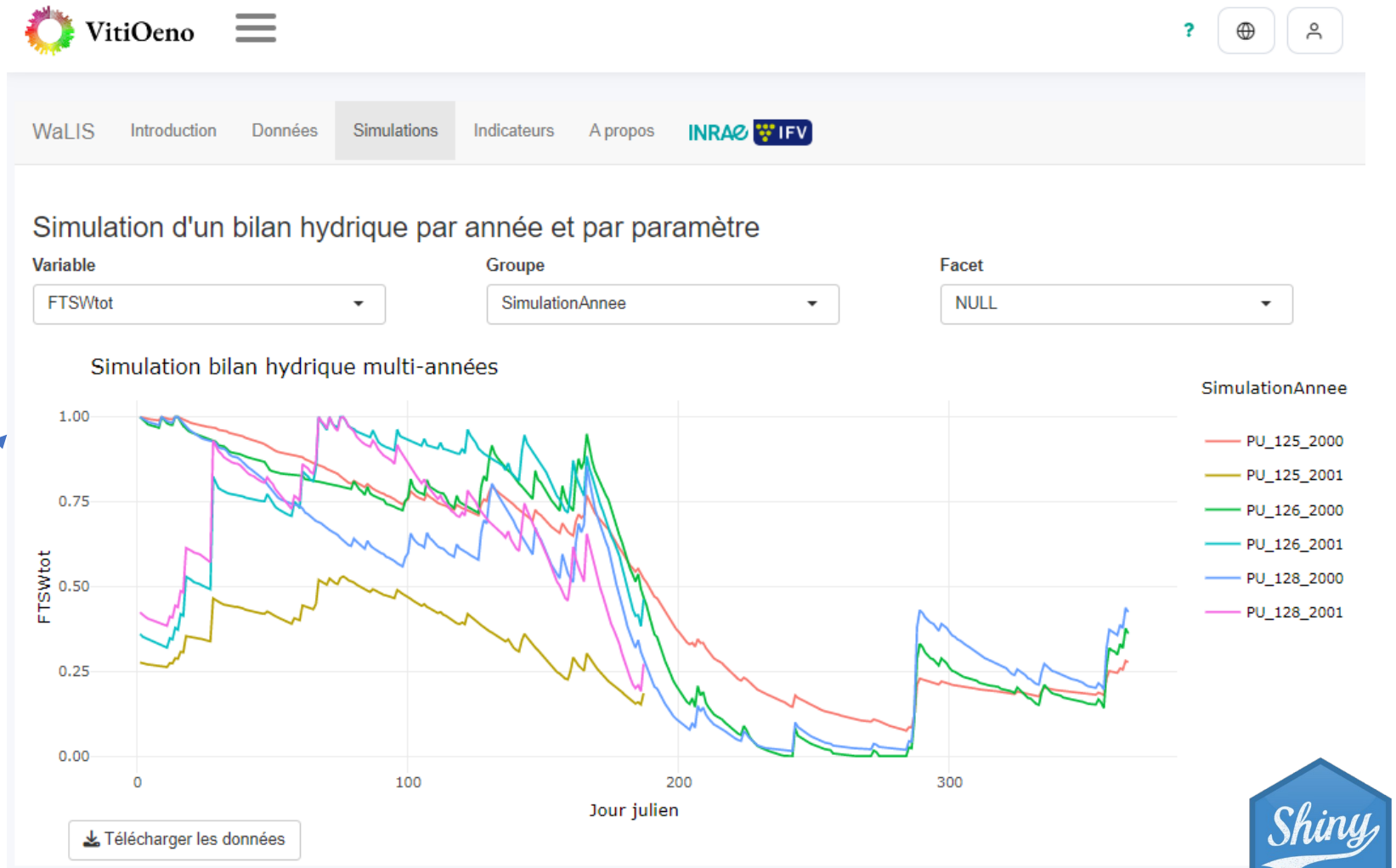

.pdf file

# Apps

- A list of useful apps

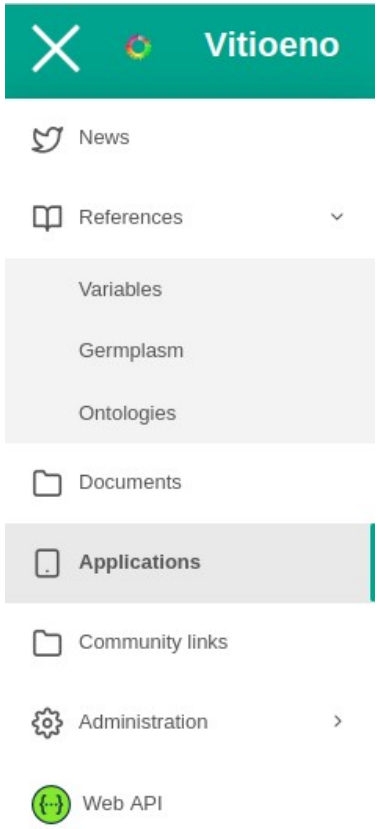



An R shiny app to simulate the soil water balance with the WaLIS model.



# An API access

- An API access for software agents!




**Variables** Show/Hide | List Operations | Expand Operations

| | | |
|---|---|---|
| GET | /core/characteristics | Search characteristics by name |
| POST | /core/characteristics | Add a characteristic |
| PUT | /core/characteristics | Update a characteristic |
| DELETE | /core/characteristics/{uri} | Delete a characteristic |
| GET | /core/characteristics/{uri} | Get a characteristic |
| GET | /core/characteristics/by_uris | Get detailed characteristics by uris |
| GET | /core/entities | Search entities by name |
| POST | /core/entities | Add an entity |
| PUT | /core/entities | Update an entity |
| GET | /core/entities_of_interest | Search entities of interest by name |
| POST | /core/entities_of_interest | Add an entity of interest |
| PUT | /core/entities_of_interest | Update an entity of interest |
| DELETE | /core/entities_of_interest/{uri} | Delete an entity of interest |
| GET | /core/entities_of_interest/{uri} | Get an entity of interest |
| GET | /core/entities_of_interest/by_uris | Get detailed entities of interest by uris |
| DELETE | /core/entities/{uri} | Delete an entity |
| GET | /core/entities/{uri} | Get an entity |

# Conclusions

- A web resource center available online
- A compilation of resources useful to improve the FAIRness of data
- Ongoing work to enrich, maintain and animate this website and the community
- An opportunity for an international collaboration

# Prospects

- Dereferencing identifiers
- Agroportal exchanges
- Multiple labels
- Global search
- Users Feed back and Metrics
- ….

# Ackowledgement

This work was carried out within the framework of the **VITIS DATA CROP project** with the support of the **French Ministry of Agriculture and Food**, with the financial contribution of the special allocation account for agricultural and rural development (CASDAR).

Avec la contribution financière du compte d'affectation spéciale développement agricole et rural CASDAR

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