

Grado en Ingeniería Informática - Ingeniería del Software

Evolución y Gestión de la Configuración



Escuela Técnica Superior de
Ingeniería Informática

Presentación del proyecto UVLHub



uvlhub.io

- 1. El problema**
 - 2. La Ciencia Abierta**
 - 3. UVLHub**
 - 4. Pequeño vistazo**
 - 5. Y yo, ¿qué puedo hacer?**
- 

- 1. El problema**
 2. La Ciencia Abierta
 3. UVLHub
 4. Pequeño vistazo
 5. Y yo, ¿qué puedo hacer?
- 

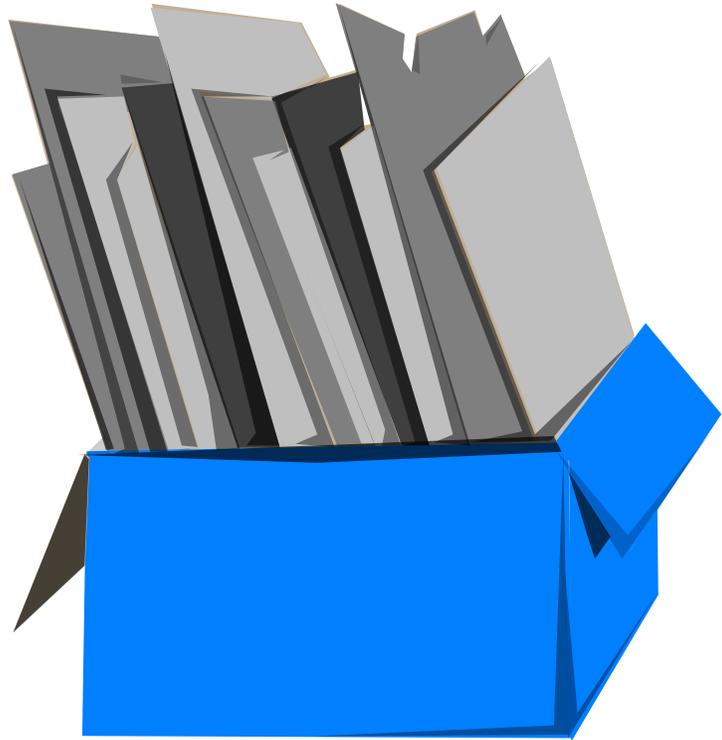
1. El problema

Datasets en la ciencia



1. El problema

Datasets en la ciencia



¡Muchos datasets!

1. El problema

Datasets en la ciencia



¡Muchos datasets!

- Datasets observacionales
- Datasets experimentales
- Datasets de encuestas
- Datasets genómicos
- Datasets de imágenes
- Datasets de series temporales
- Datasets geoespaciales
- Datasets de simulación
- Datasets de texto
- Datasets multimedia
- ...

1. El problema

Datasets en la ciencia



¡Muchos datasets!

Son IMPORTANTES porque...

- Base de evidencia
- Reproducibilidad
- Nuevos descubrimientos
- Colaboración
- Transparencia
- Educación

1. El problema

Problemas actuales de los datasets



**Repositorios
privados**

1. El problema

Problemas actuales de los datasets



**Repositorios
privados**



**Perdidos, corruptos,
incompletos...**

1. El problema

Problemas actuales de los datasets



**Repositorios
privados**



**Perdidos, corruptos,
incompletos...**

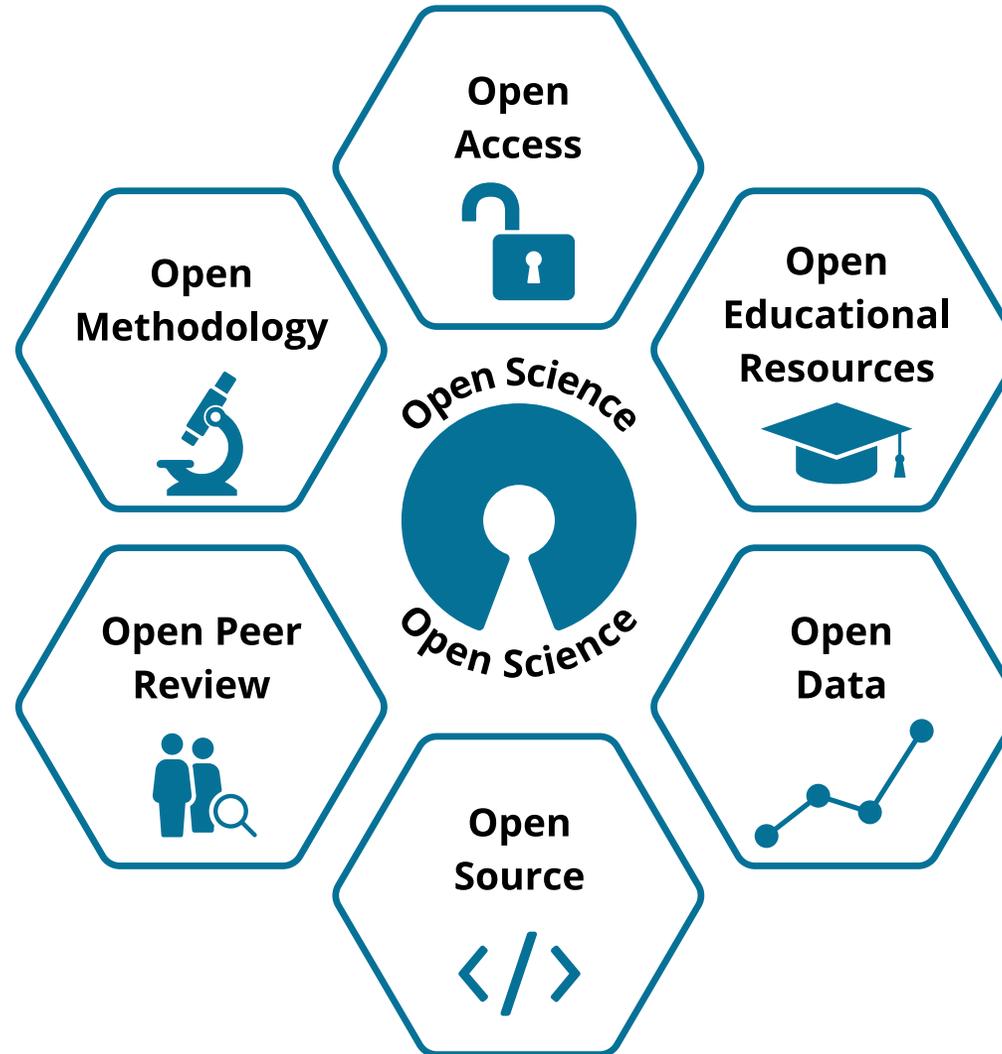


**Sistema
caído**

1. El problema
 2. **La Ciencia Abierta**
 3. UVLHub
 4. Pequeño vistazo
 5. Y yo, ¿qué puedo hacer?
- 

2. La Ciencia Abierta

Los 6 principios



2. La Ciencia Abierta



¿Puede la **Ciencia Abierta** dar solución al problema de los datasets?

2. La Ciencia Abierta

Diferentes iniciativas

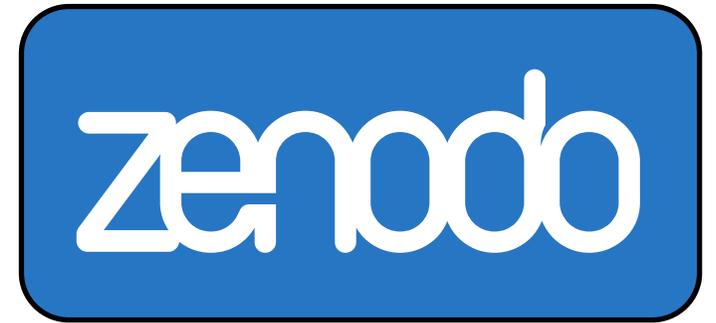


OpenAIRE

Open Access Infrastructure for
Research in Europe



Research Data
Management (CERN)



Open Access Repository

2. La Ciencia Abierta

Diferentes iniciativas

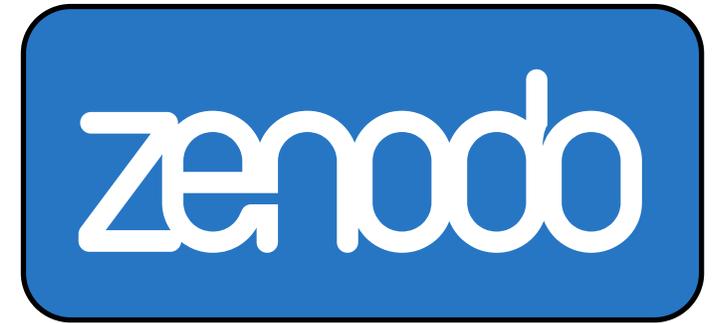


OpenAIRE

Open Access Infrastructure for
Research in Europe

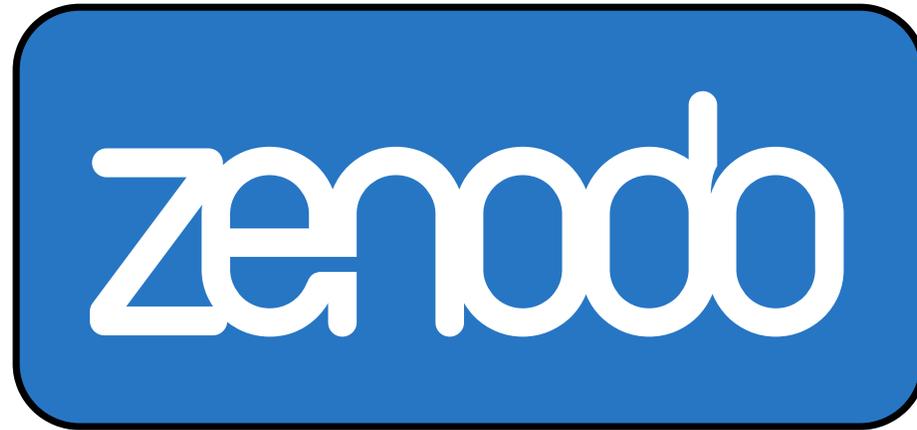


Research Data
Management (CERN)



Open Access Repository

2. La Ciencia Abierta



Pero en Zenodo puedes subir **CUALQUIER** tipo de dataset...

2. La Ciencia Abierta



¿Cómo controló que se suba el **tipo de dataset** que yo manejo en mi trabajo?

1. El problema
 2. La Ciencia Abierta
 3. **UVLHub**
 4. Pequeño vistazo
 5. Y yo, ¿qué puedo hacer?
- 

3. UVLHub



uvlhub.io

**repositorio de datasets UVL siguiendo principios de
Ciencia Abierta**



UNIVERSIDAD
DE MÁLAGA



universität
uulm

3. UVLHub

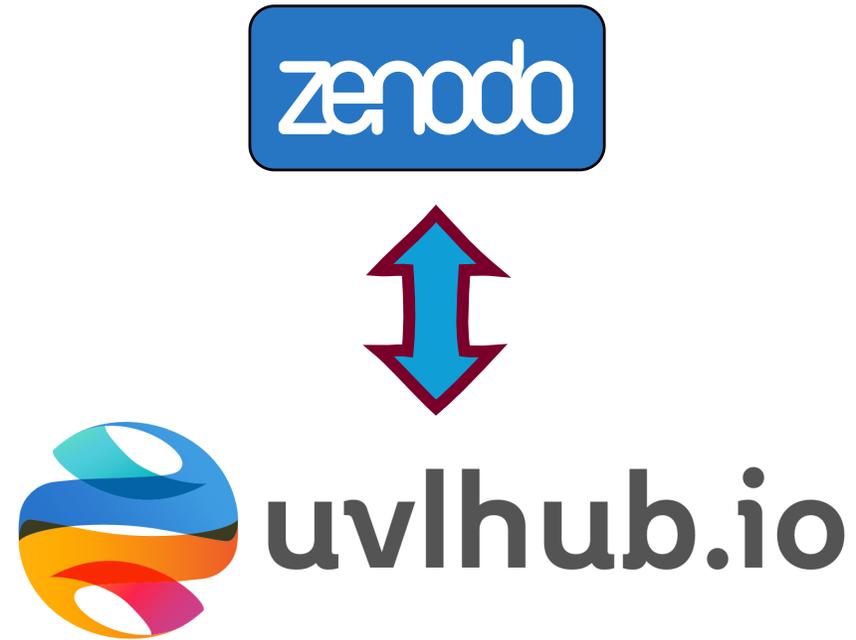


```
features
  Chat
    mandatory
      Connection
        alternative
          "Peer 2 Peer"
          Server
      Messages
        or
          Text
          Video
          Audio
    optional
      "Data Storage"
      "Media Player"

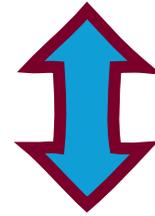
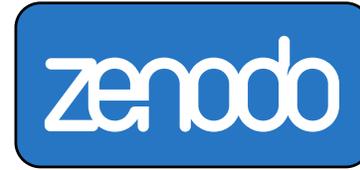
constraints
  Server => "Data Storage"
  Video | Audio => "Media Player"
```

Universal Variability Language

3. UVLHub



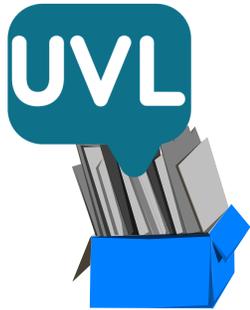
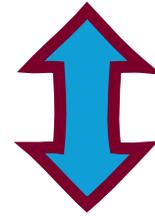
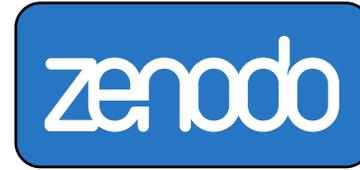
3. UVLHub



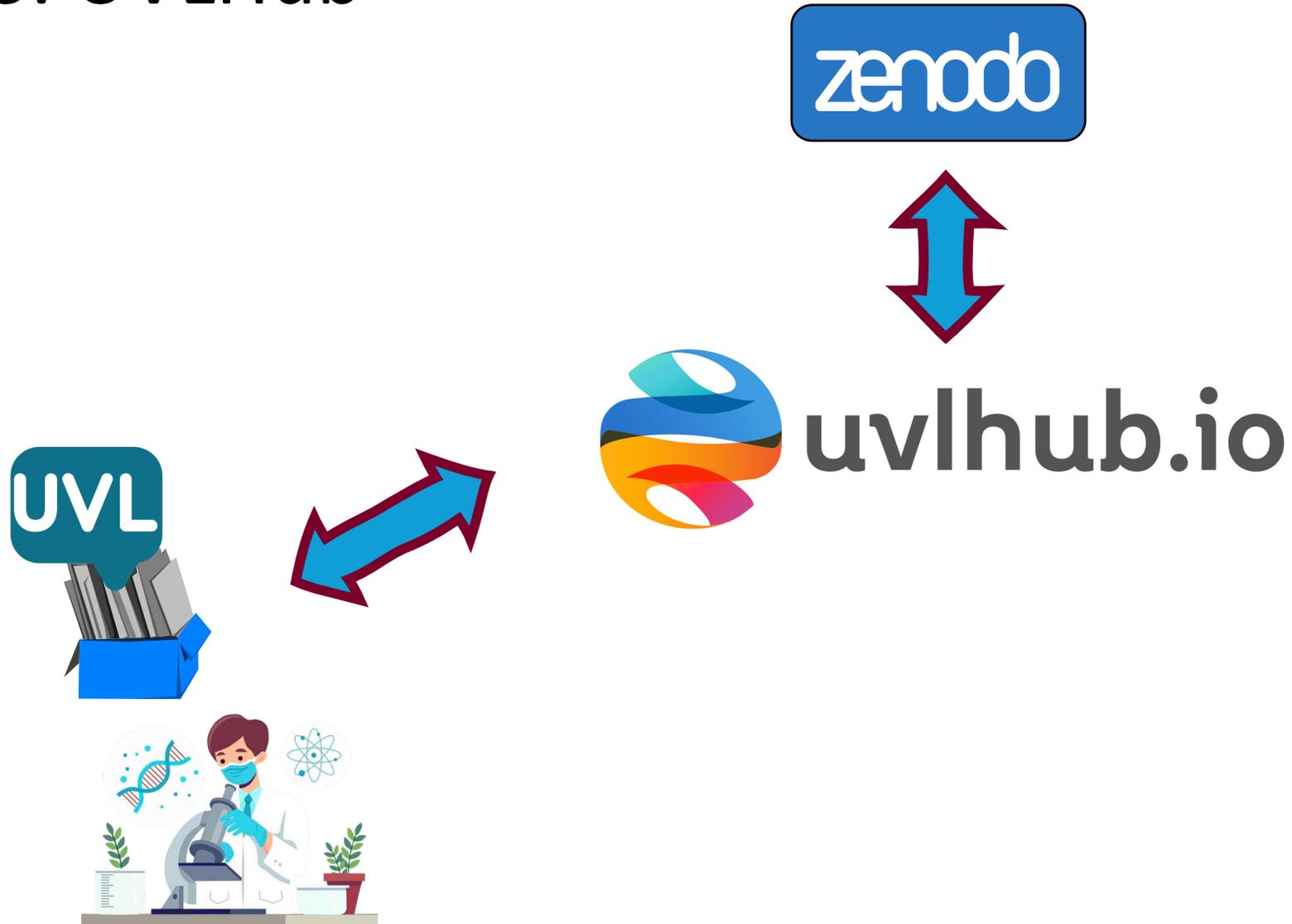
uvlhub.io



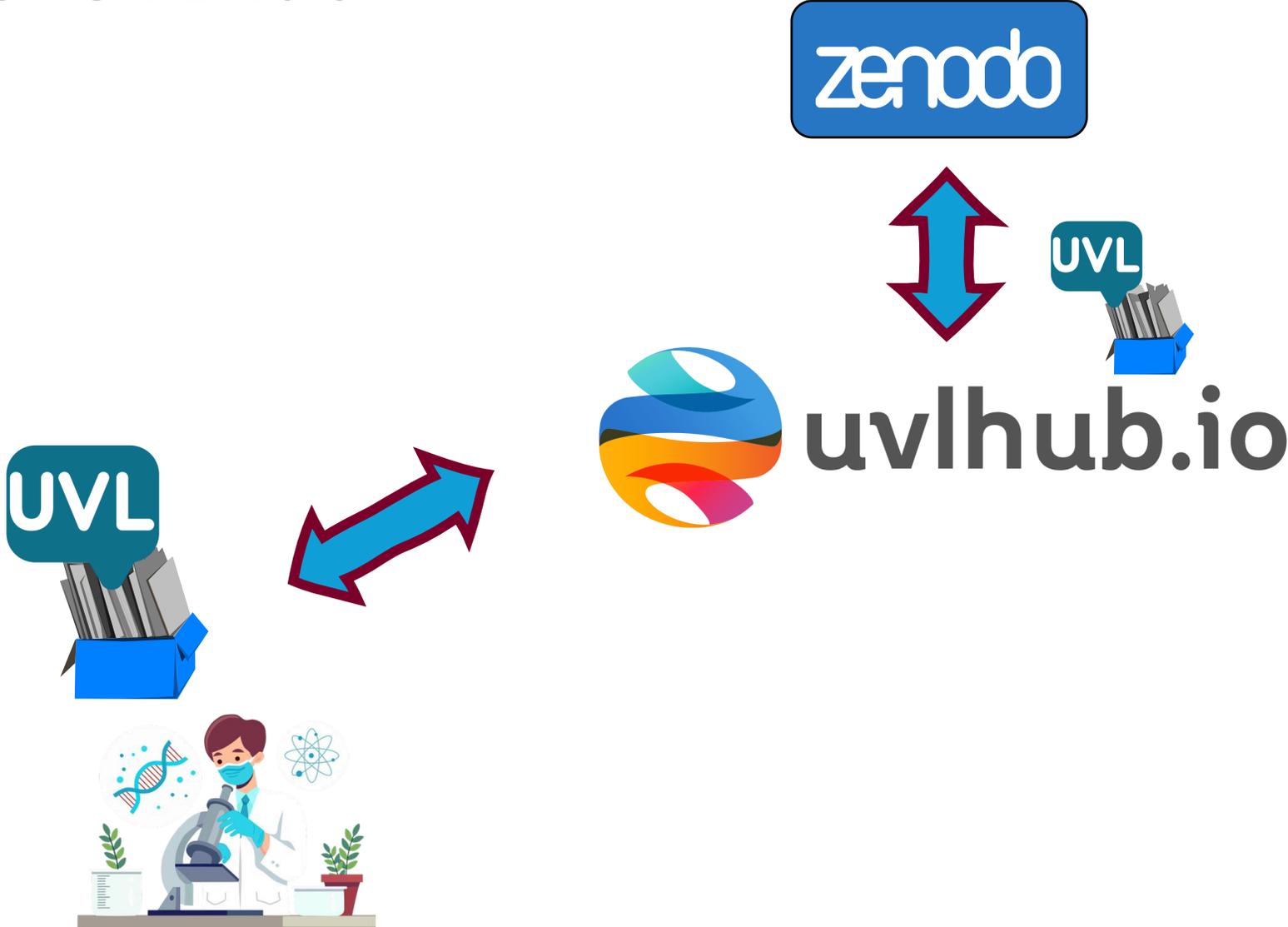
3. UVLHub



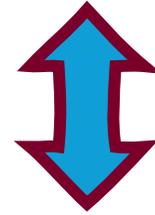
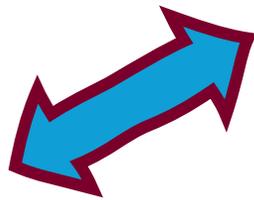
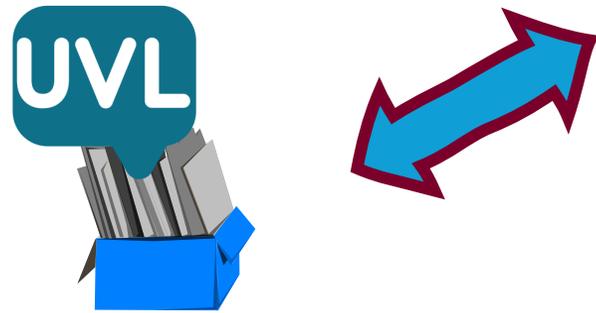
3. UVLHub



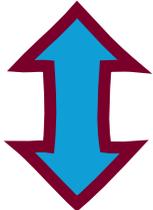
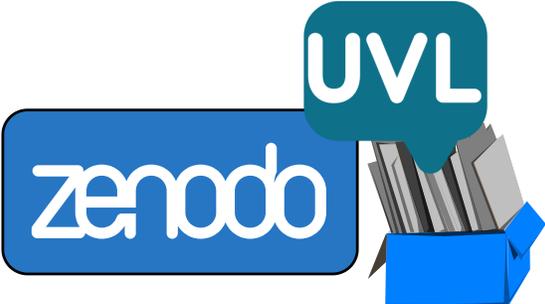
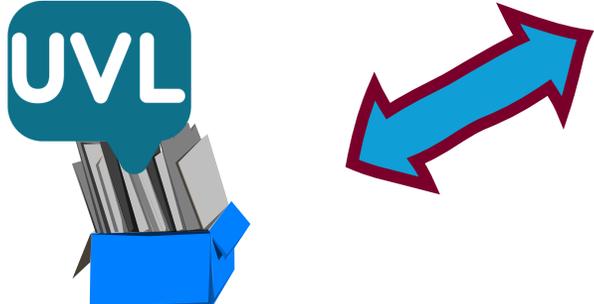
3. UVLHub



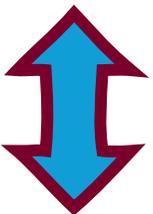
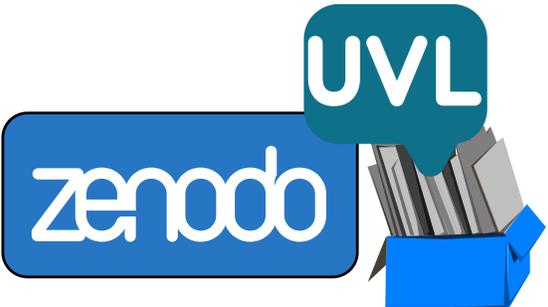
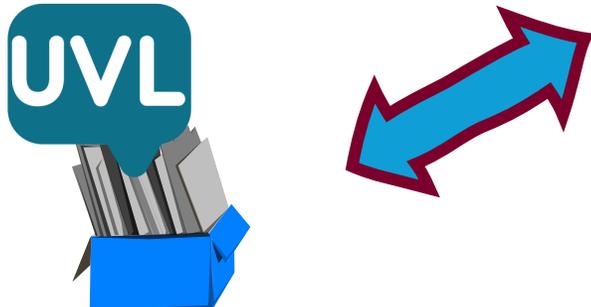
3. UVLHub



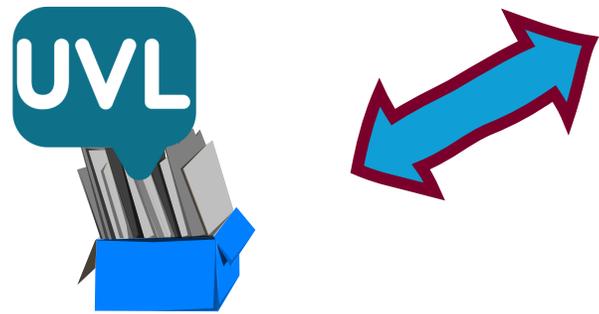
3. UVLHub



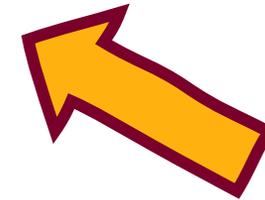
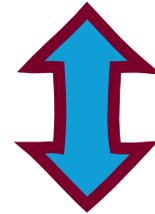
3. UVLHub



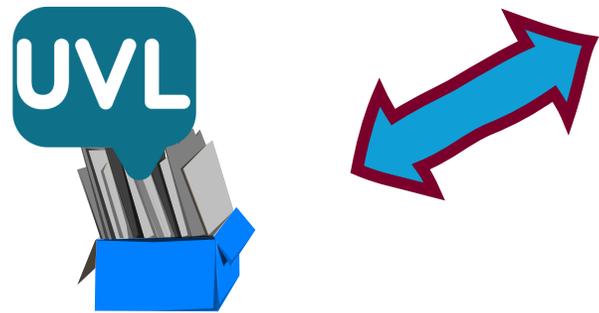
3. UVLHub



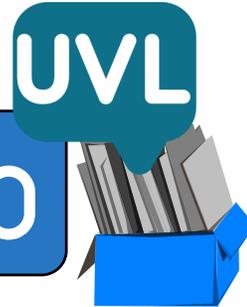
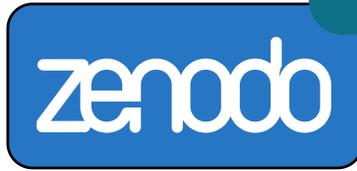
uvlhub.io



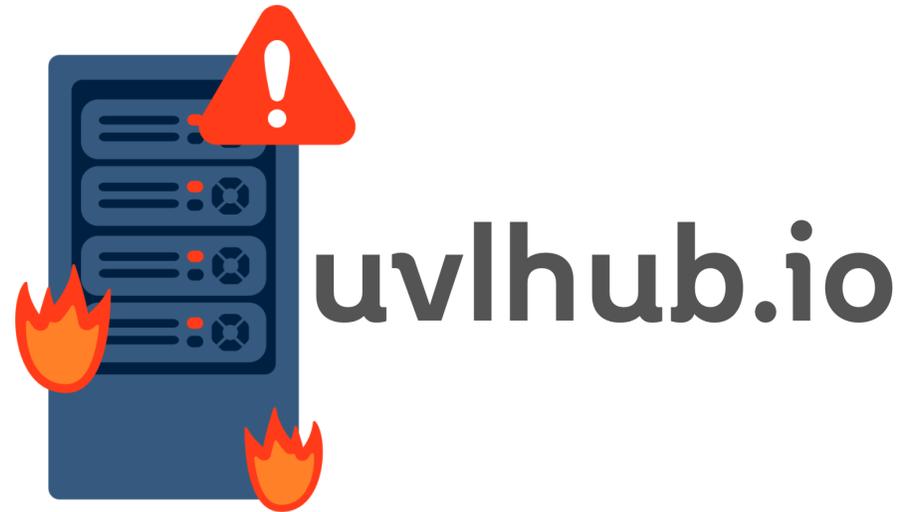
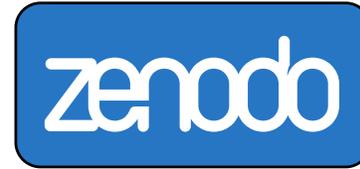
3. UVLHub



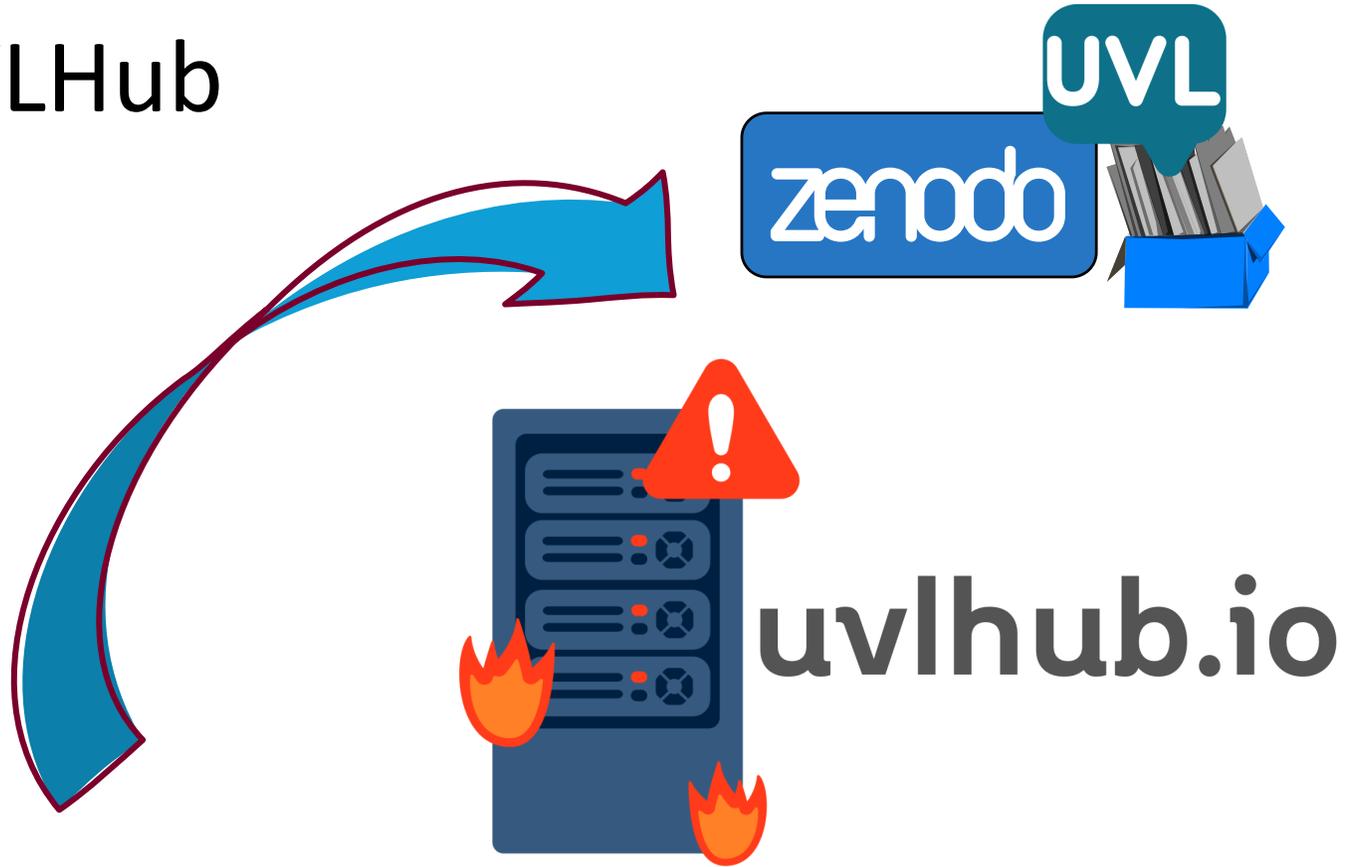
uvlhub.io



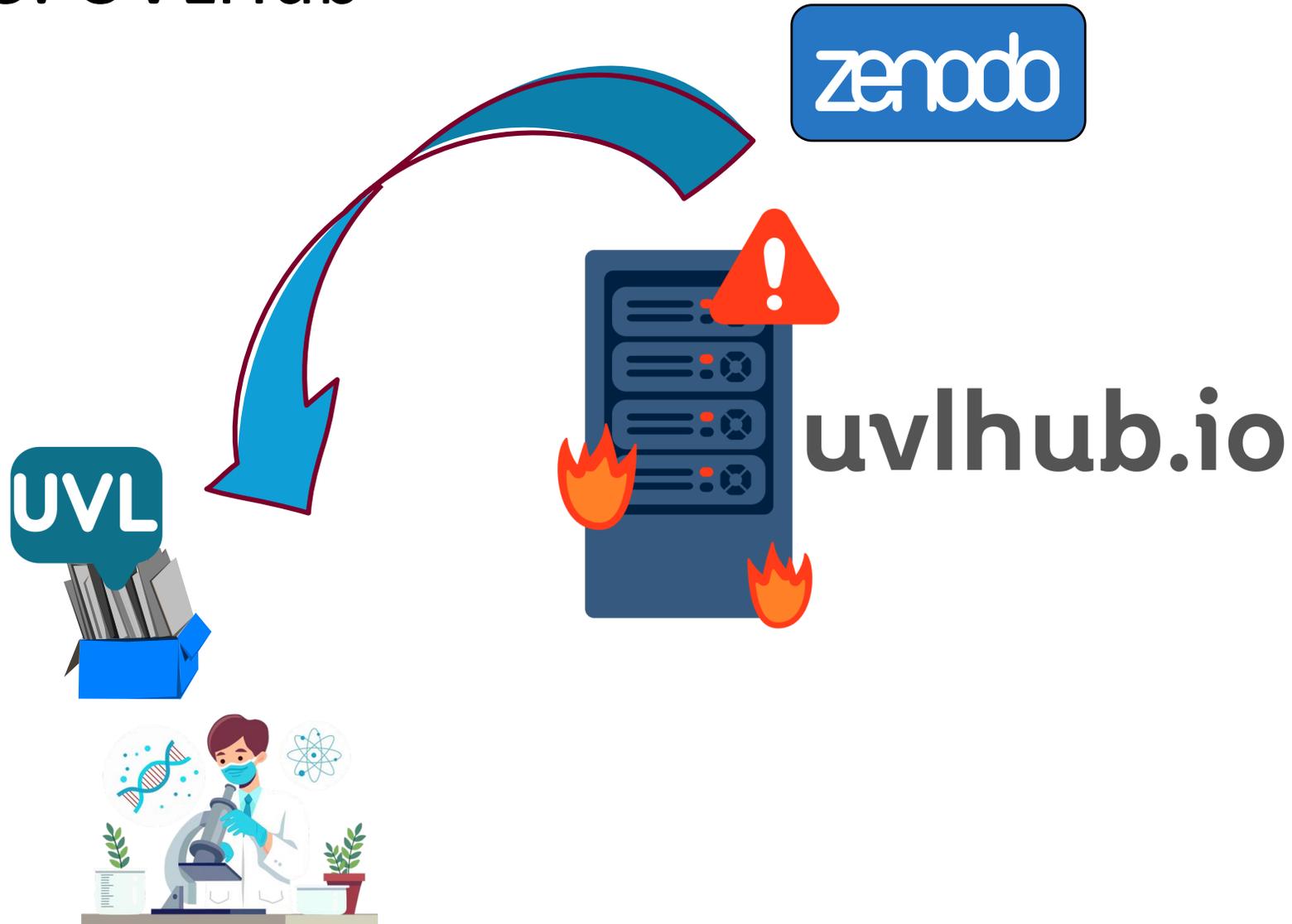
3. UVLHub



3. UVLHub



3. UVLHub



3. UVLHub

Documentación oficial



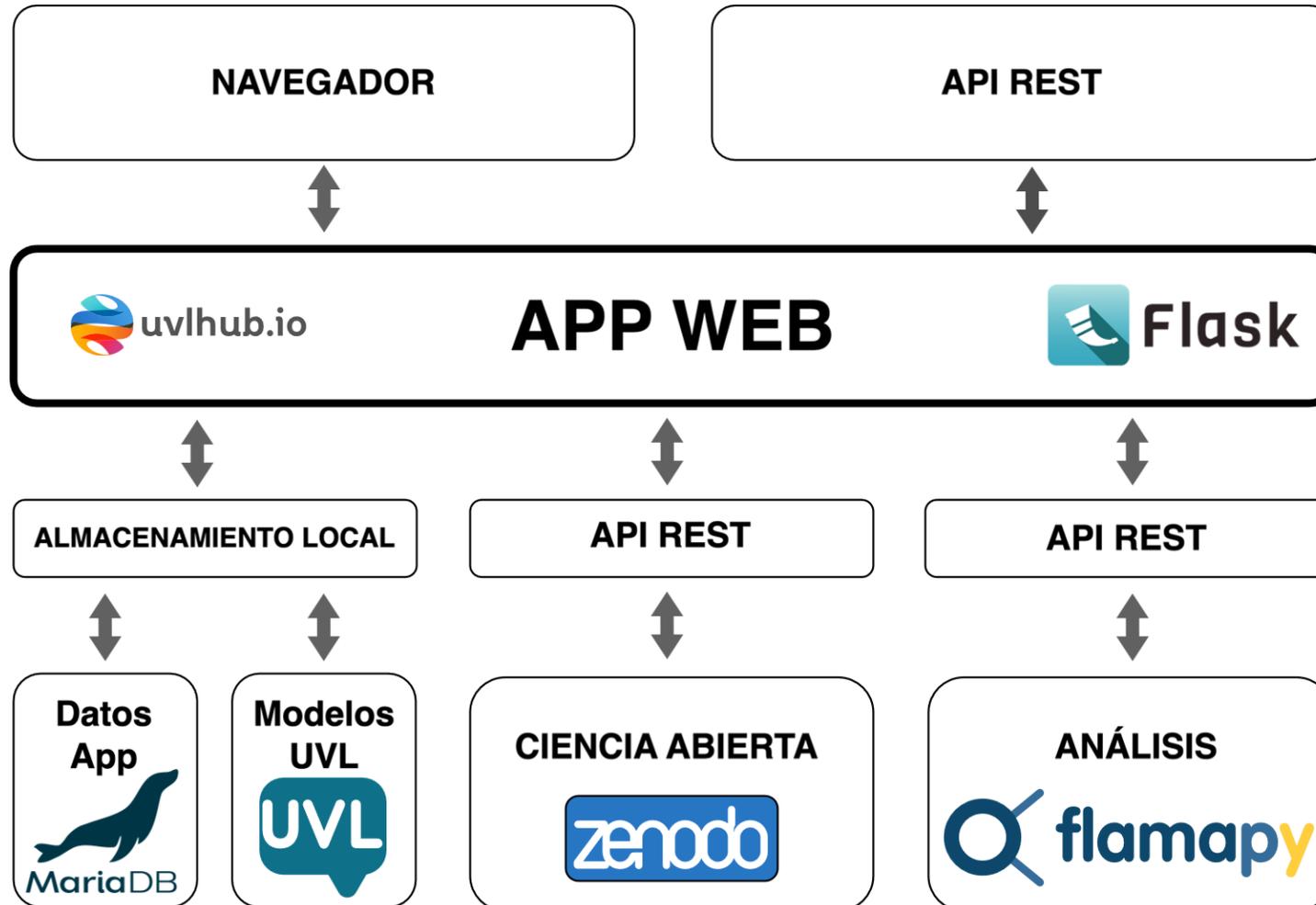
docs.uvlhub.io

**guías de instalación, guías de comandos,
migraciones, despliegue, módulos,
resolución de dudas...**

docs.uvlhub.io

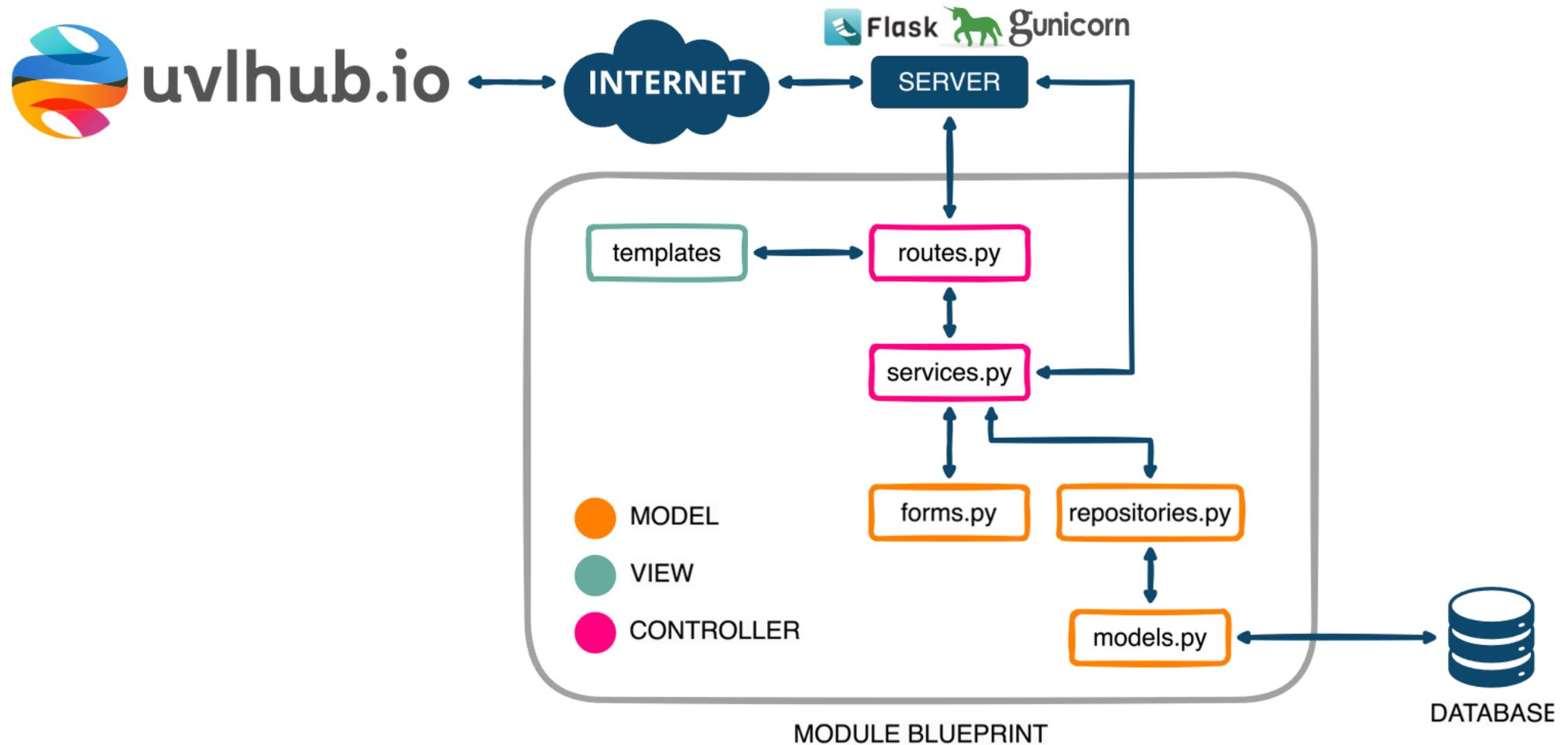
3. UVLHub

Vistazo técnico



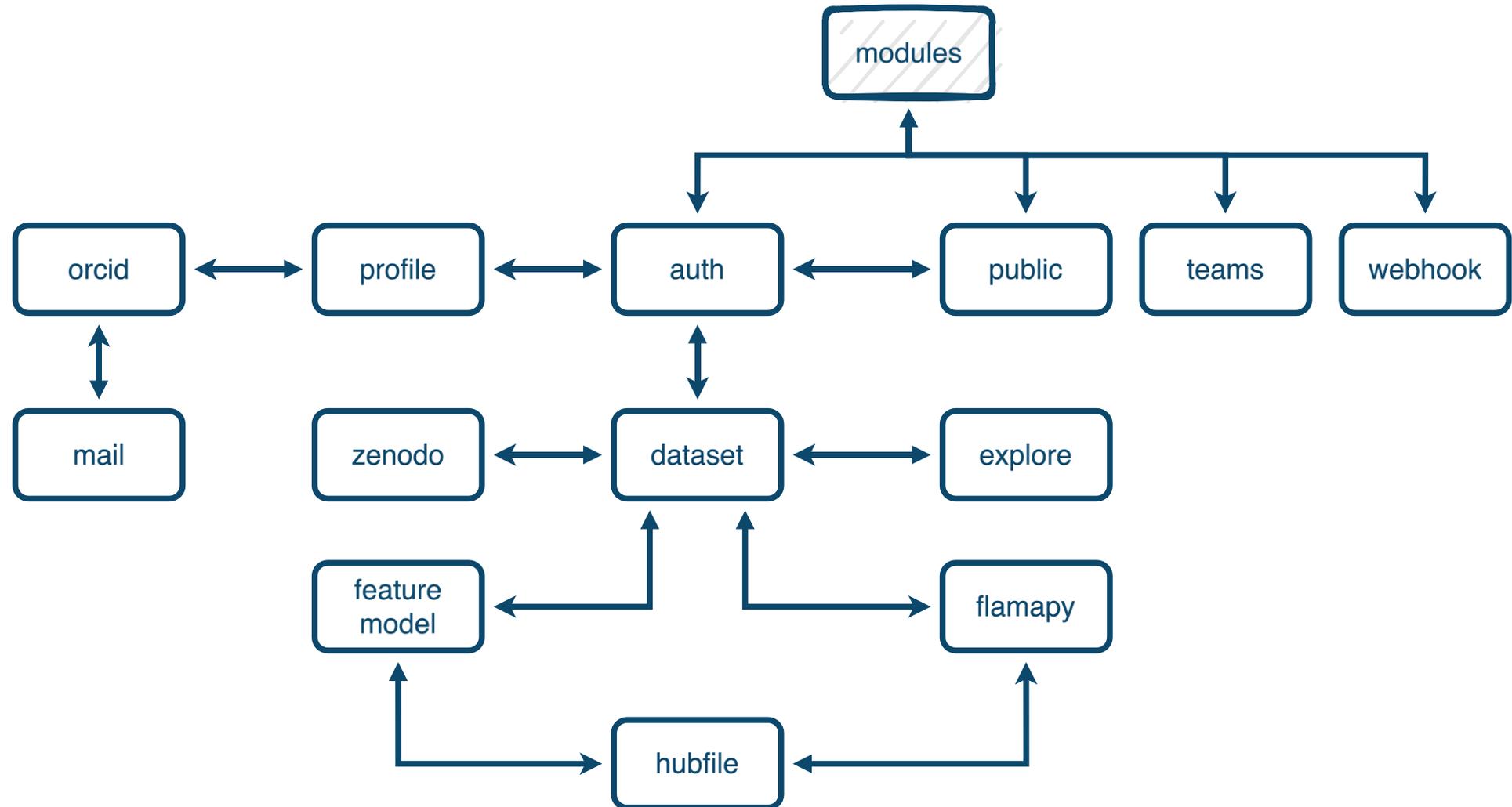
3. UVLHub

Vistazo técnico



3. UVLHub

Vistazo técnico



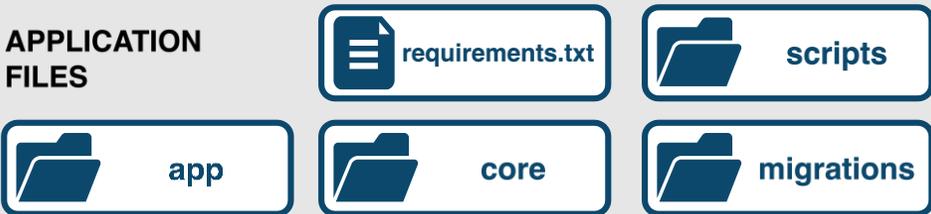
3. UVLHub

¿Cómo está organizado?

REPOSITORY CONFIGURATION



APPLICATION FILES



ROSEMARY CLI



WORKING ENVIRONMENT



CONFIGURATION FILES



3. UVLHub

No solo filtro...



**Gracias a la capa de uvlhub,
tengo...**

- Filtrado
- Análisis
- Búsqueda
- Reglas de negocio
- Características propias del dominio

1. El problema
 2. La Ciencia Abierta
 3. UVLHub
 - 4. Pequeño vistazo**
 5. Y yo, ¿qué puedo hacer?
- 

4. Pequeño vistazo

Vista principal

The screenshot displays the main interface of the UVLHub website. On the left is a dark sidebar with the UVLHub logo and navigation options: Home, Explore, Team, Login, and Sign Up. The main content area features a search bar at the top, followed by a 'Latest datasets' section. Two dataset cards are visible: 'Smart Governance Product Line' and 'Software Strategies'. The 'Smart Governance Product Line' card includes a description, author information (Muñoz-Hermoso, Salvador), a DOI link, and tags for 'e-governance', 'smart governance', 'e-collaboration', and 'e-government'. The 'Software Strategies' card includes a description and a list of authors with their affiliations. To the right of the dataset cards are two summary boxes: 'Hub statistics' showing 24 datasets, 1489 feature models, 2209 datasets viewed, 88 feature models viewed, 1231 datasets downloaded, and 14400 feature models downloaded; and 'Related publication' listing a paper by David Romero-Organvidez et al. at the bottom are 'Conv in BibTex' and 'Conv in RIS' buttons.

uvlhub.io

Search datasets...

Login Sign up

Latest datasets

Smart Governance Product Line

None

April 27, 2024 at 11:09 AM

This dataset models a (service-oriented) software product line that represents the features and variability of collaborative e-governance systems and services that could be deployed in public institutions.

Muñoz-Hermoso, Salvador

<http://uvlhub.io/doi/10.5281/zenodo.12697539>

e-governance smart governance e-collaboration e-government

View dataset Download (3.81 KB)

Software Strategies

None

April 23, 2024 at 09:16 AM

This model is the first version of the model for defining Software Strategies

Olivero, Miguel (Universidad de Sevilla) (0000-0002-6627-3699)
Francisco José Domínguez Mayo (University of Seville) (0000-0003-3502-8858)
David Benavides (University of Seville) (0000-0002-8449-3273)
Ernest Teniente (Universitat Oberta de Catalunya) (0000-0001-8890-9638)

Hub statistics

- 24 datasets
- 1489 feature models
- 2209 datasets viewed
- 88 feature models viewed
- 1231 datasets downloaded
- 14400 feature models downloaded

Related publication

David Romero-Organvidez, José A. Galindo, Chico Sundermann, Jose-Miguel Horcas, David Benavides. *UVLHub: A feature model data repository using UVL and open science principles*, Journal of Systems and Software, 2024, 112150, ISSN 0164-1212, <https://doi.org/10.1016/j.jss.2024.112150>

Conv in BibTex Conv in RIS

Compilation build v1.11.1

4. Pequeño vistazo

Subida de dataset

uvlhub.io

Search datasets...

Romero, David

Upload dataset

Basic info

Title *

Description *

Publication type: None | Publication DOI:

Tags (separated by commas):

Authors

Author name: Romero, David | Author affiliation: University of Seville

Author ORCID:

Add author

UVL models

2.6 KB
REAL-FM-1.uvl

REAL-FM-1.uvl

Hide info | Delete model

Title:

Description:

Publication type: None | Publication DOI:

Tags (separated by commas): | UVL version:

Authors:

Add author

Proof of concept
This application should only be used for research purposes
[View GitHub](#)

I agree to have my feature models automatically uploaded to Zenodo and made available to the public according to the [Open Science](#) manifesto

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- 

5. Y yo, ¿qué puedo hacer?

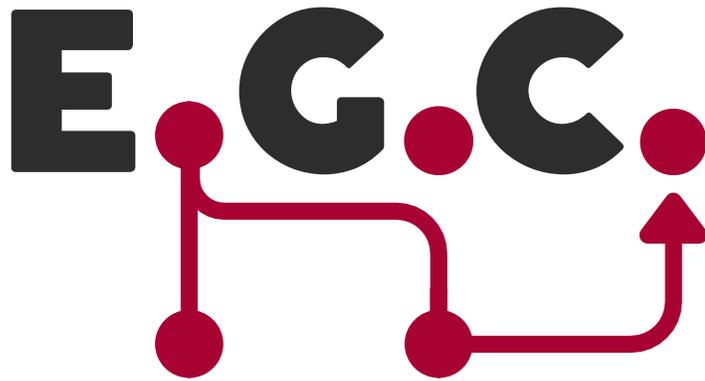
Pequeña guía para empezar



docs.uvlhub.io



tinyurl.com/issuesuvlhubio



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Evolución y Gestión de la Configuración



Escuela Técnica Superior de
Ingeniería Informática

¡Gracias!

*“Es solo un pequeño cambio,
dijeron... y aquí estamos,
reescribiendo medio sistema”*

- Anónimo