

Outils numériques pour la recherche scientifique

Organiser (et sauvegarder) ses productions scientifiques

Gérer ses données de recherche

Google Scholar

Toutes les langues Rechercher les pages en Français

Sur les épaules d'un géant

<https://scholar.google.fr>



<https://sci-hub.hkvisa.net/>
(ou demandez à un encadrant qui a accès)

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DeepFruits: A Fruit Detection System Using Deep Neural Networks Prior works Derivative works Sponsored by Azure

Search... Expand

Origin paper
DeepFruits: A Fruit Detection System Using Deep Neural Networks
 Inkyu Sa, ZongYuan Ge, Feras Dayoub, B. Uproft, Tristan Perez, ... 2016

Convolutional Neural Networks (CNN) for Detecting Fruit Information Using Machine Learning Techniques
 Fouzia Risdin, P. Mondal, Kazi Mahmudul Hassan 2020

Automatic Fruits Classification System Based on Deep Neural Network
 Khadija Munir, A. I. Umar, Waqas Yousof 2020

Deep fruit detection in orchards
 Suchet Bargoti, J. Underwood 2016

Automated Bell Pepper Harvesting using Robotic Vision System
 Silpa Ajith Kumar, S. Nikhila, J. S. Kumar 2019

Visual detection of occluded crop: For automated harvesting
 C. McCool, Inkyu Sa, Feras Dayoub, Christopher F. Lehnert, Trista... 2016

Image Segmentation for Fruit Detection and Yield Estimation in Apple Orchards
 Suchet Bargoti, J. Underwood 2016

Deep Count: Fruit Counting Based on Deep Simulated Learning
 M. Rahneemoonfar, Clay Sheppard 2017

Fruit Quantity and Ripeness Estimation Using a Robotic Vision System

How to read the graph

Each node is an academic paper related to the origin paper.

- Papers are arranged according to their similarity (this is not a citation tree)
- Node SIZE is the number of citations
- Node color is the publishing year
- Similar papers have strong connecting lines and cluster together

Learn more

Created on Nov 14 2022

2014 2022

DeepFruits: A Fruit Detection System Using Deep Neural Networks
 Inkyu Sa + 4 authors C. McCool
 2016, Sensors
 620 Citations Save

Open in:

This paper presents a novel approach to fruit detection using deep convolutional neural networks. The aim is to build an accurate, fast and reliable fruit detection system, which is a vital element of an autonomous agricultural robotic platform; it is a key element for fruit yield estimation and automated harvesting. Recent work in deep neural networks has led to the development of a state-of-the-art object detector termed Faster Region-based CNN (Faster R-CNN). We adapt this model, through transfer learning, for the task of fruit detection using imagery obtained from two modalities: colour (RGB) and Near-Infrared (NIR). Early and late fusion methods are explored for combining the multi-modal (RGB and NIR) information. This leads to a novel multi-modal Faster R-CNN model, which achieves state-of-the-art results compared to prior work with the F1 score, which takes into account both precision and recall performances improving from 0.807 to 0.838 for the detection of sweet pepper. In addition to improved accuracy, this approach is also much quicker to deploy for new fruits, as it requires bounding box annotation rather than pixel-level annotation (annotating bounding boxes is approximately an order of magnitude quicker to perform). The model is retrained to perform the detection of seven fruits, with the entire process taking four hours to annotate and train the new model per fruit.



Browse State-of-the-Art Datasets Methods More



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Trending Research



OneFormer: One Transformer to Rule Universal Image Segmentation

SHI-Labs/OneFormer • PyTorch • 10 Nov 2022

However, such panoptic architectures do not truly unify image segmentation because they need to be trained individually on the semantic, instance, or panoptic segmentation to achieve the best performance.

Ranked #1 on [Instance Segmentation on ADE20K val](#)

Instance Segmentation Panoptic Segmentation +1

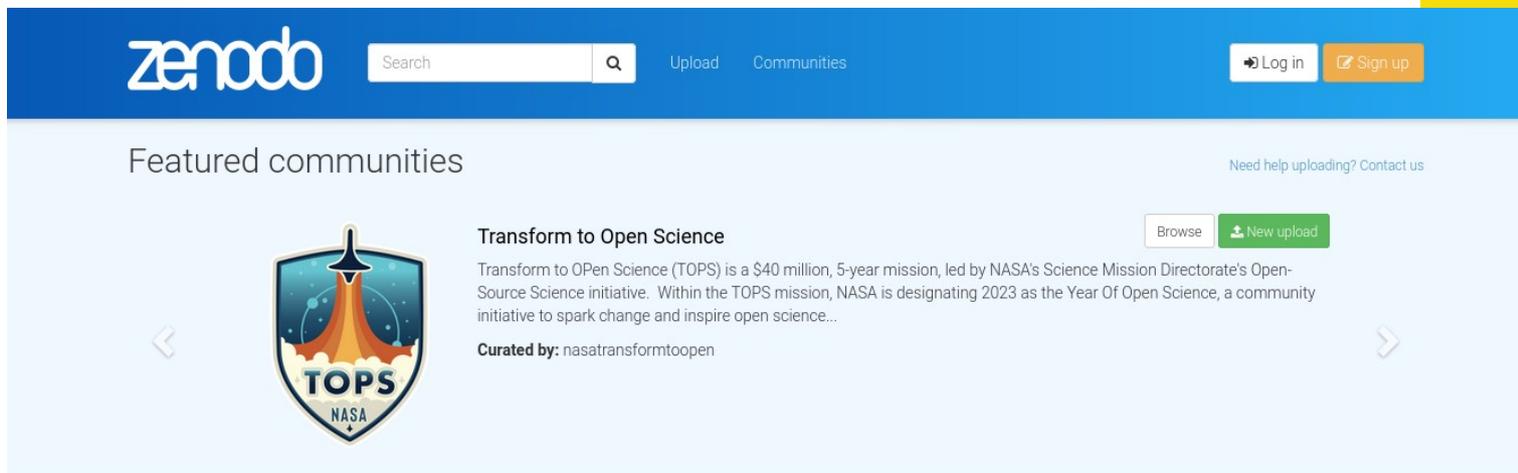
★ 133

2.48 stars / hour

Paper

Code

<https://paperswithcode.com/>



The screenshot shows the Zenodo website interface. At the top, there is a blue navigation bar with the Zenodo logo, a search bar, and links for 'Upload' and 'Communities'. On the right side of the navigation bar, there are buttons for 'Log in' and 'Sign up'. Below the navigation bar, the main content area is titled 'Featured communities'. On the left, there is a carousel of community logos, with the 'TOPS NASA' logo currently visible. To the right of the carousel, there is a section for the 'Transform to Open Science' community, which includes a description of the mission and a 'Curated by: nasatransformtoopen' link. There are also buttons for 'Browse' and 'New upload'.

<https://zenodo.org/>

Recent uploads

November 14, 2022 (v105) Dataset Open Access

View

BIP4COVID19: Impact metrics and indicators for coronavirus related publications

Thanasis Vergoulis; Ilias Kanellos; Serafeim Chatzopoulos; Danae Pla Karidi; Theodore Dalamagas

This dataset contains impact metrics and indicators for a set of publications that are related to the COVID-19 infectious disease and the coronavirus that causes it. It is based on: The COR-19 dataset released by the team of Semantic Scholar1 and The curated data provided by the LitCovid hub2....

Uploaded on November 14, 2022

112 more version(s) exist for this record

Need help?

Contact us

Zenodo prioritizes all requested related to the COVID-19 outbreak.

We can help with:

- Uploading your research data, software, preprints, etc.
- One-on-one with Zenodo supporters.
- Quota increases beyond our default policy.
- Scripts for automated uploading of larger

Zotero

The screenshot shows the Zotero application window. On the left is a sidebar with a tree view of the library structure, including folders like 'My Library', 'Colonial Medicine', and 'Teaching'. The main area is a table of items with columns for Title, Creator, and Year. The selected item is 'Circulation of Medicine in the Early Modern Atlantic World' by Cook and Walker, 2013. On the right, the 'Info' panel displays detailed metadata for this item, including its type (Journal Article), title, author (Cook, Harold J.), abstract, publication information (Social History of Medicine, Volume 26, Issue 3), and various identifiers like DOI and ISSN.

Title	Creator	Year
Guerre, maladie, empire. Les services de santé militaires en ...	Zaugg	2016
Officiers de santé et soignantes créoles face à la fièvre jaune	Nobi	2016
The Emergence of Tropical Medicine in France	Osborne	2014
Colonial Disease, Translation, and Enlightenment: Franco-Briti...	Charters	2014
Trading in Drugs through Philadelphia in the Eighteenth Centu...	Wilson	2013
The Medicines Trade in the Portuguese Atlantic World: Acquisi...	Walker	2013
Leprosy and Slavery in Suriname: Godfried Schilling and the Fr...	Sneiders	2013
Medical Experimentation and Race in the Eighteenth-century ...	Schiebinger	2013
The Circulation of Bodily Knowledge in the Seventeenth-centu...	Gómez	2013
Circulation of Medicine in the Early Modern Atlantic World	Cook and Walker	2013
Synthesis of scholarship on "medicines" to restore focus o...		
Full Text PDF		
Colonial Medical Encounters in the Nineteenth Century: The Fr...	Thoral	2012
Networks in Tropical Medicine: Internationalism, Colonialism, a...	Neill	2012
Early Clinical Features of Dengue Virus Infection in Nicaraguan...	Biswas et al.	2012
Medicine in an age of commerce and empire: Britain and its tr...	Harrison	2010
Finding the "Ideal Diet": Nutrition, Culture, and Dietary Practi...	Neill	2009
Battles of the Self: War and Subjectivity in Early Modern France	Pichichero	2008
The Experiments of Ramón M. Termeyer SJ on the Electric Eel ...	de Asúa	2008
Psychiatry and Empire	Mahone and Vaughan	2007
Medicine and the Market in England and Its Colonies, C.1450-...	Jenner and Wallis	2007
Matters of exchange: commerce, medicine, and science in the...	Cook	2007
A Horrible Tragedy in the French Atlantic	Rothschild	2006
"Neither of meat nor drink, but what the Doctor alloweth": ...	Chakrabarti	2006
Transnationalism in the colonies: Cooperation, rivalry, and rac...	Neill	2005
Variolation, Vaccination and Popular Resistance in Early Coloni...	Brimmes	2004
"Syphilis, Opiumania, and Pederasty": Colonial Constructions ...	Proschan	2003
Choosing Scientific Patrimony: Sir Ronald Ross, Alphonse Lav...	Guillemín	2002
Madness and Colonization: Psychiatry in the British and Frenc...	Keller	2001
The Colonial Machine: French Science and Colonization in the ...	McClellan and Rego...	2000
From medical astrology to medical astronomy: sol-lunar and pl...	Harrison	2000
Disease and Empire: The Health of European Troops in the Co...	Bynum	2000
Climate & Constitutions: Health, Race, Environment and Bri...	Harrison	1999

- x Synchronisation
- x Extension navigateur
- x Génération de .bib

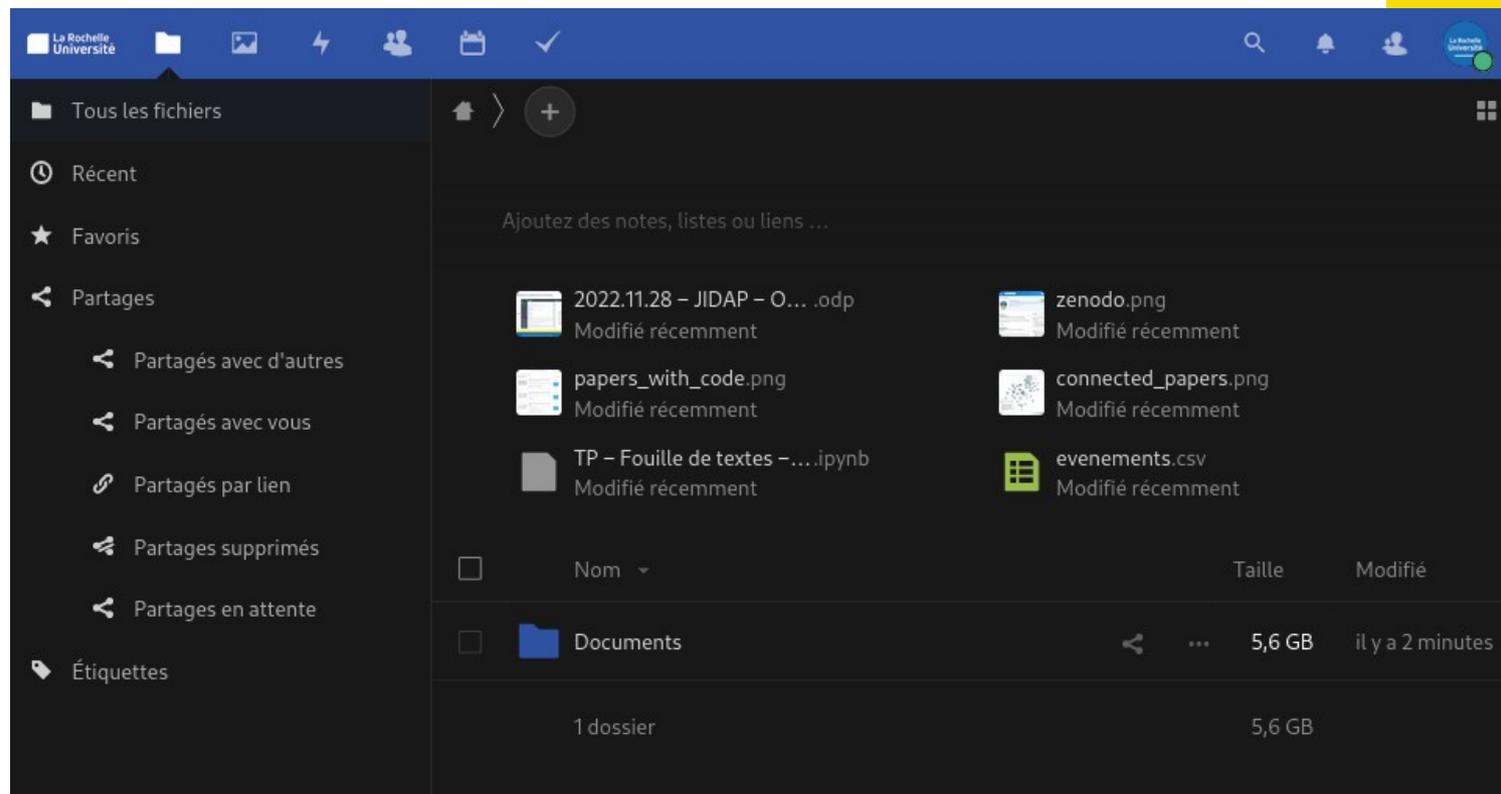
Travailler en collaboration

- X overleaf.com
- X plmlatex.math.cnrs.fr

The screenshot displays the Overleaf LaTeX editor interface. On the left, a file explorer shows a project structure with files like 'frog.jpg', 'main.tex', and 'sample.bib'. The main editor window shows the LaTeX source code for a document, including commands for document class, language, page size, and packages. The right pane shows the rendered PDF output, which includes a title page with the text 'Your Paper', 'You', and 'November 16, 2022', followed by an abstract section and an introduction section.

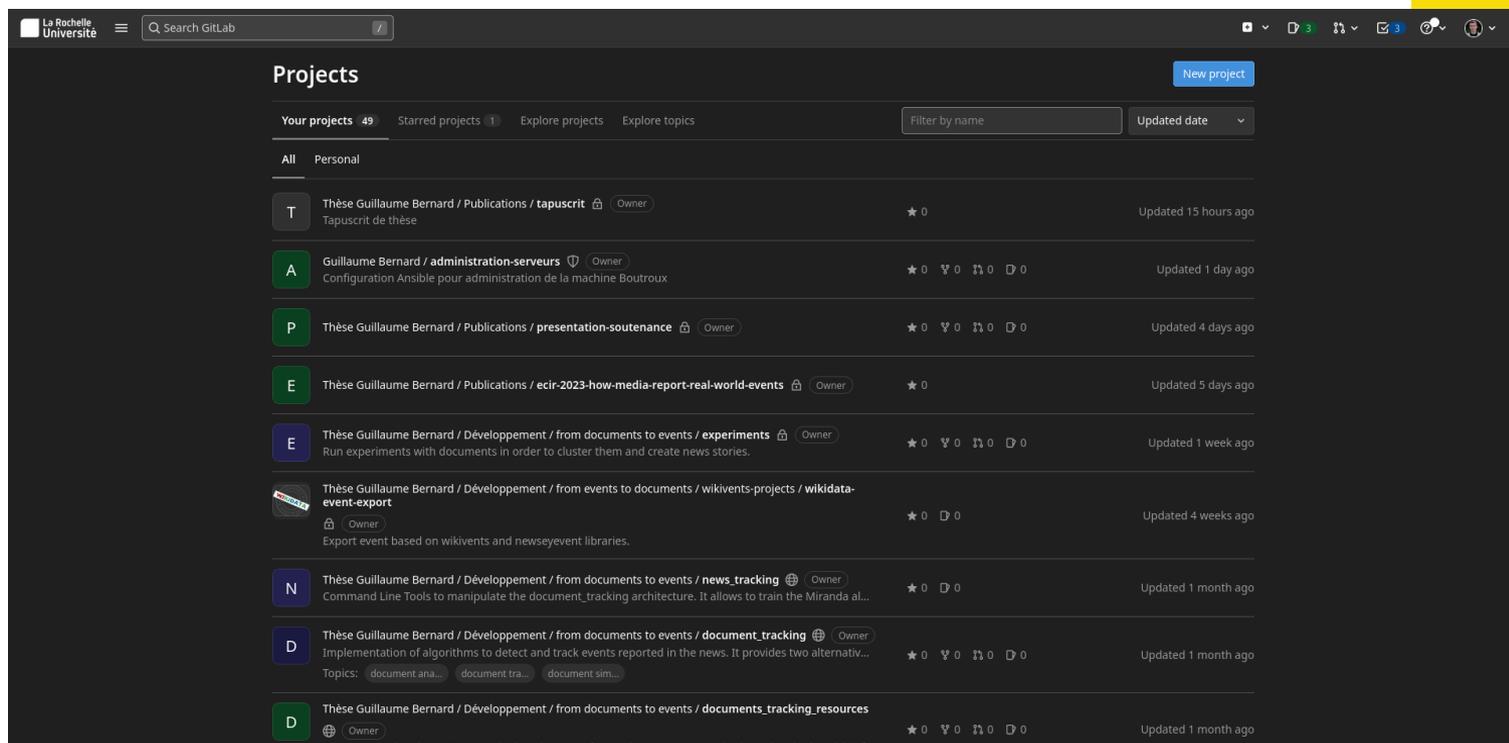
<https://ao.univ-lr.fr>

- x Agenda
- x Contacts
- x Tâches
- x Synchro. Zenodo

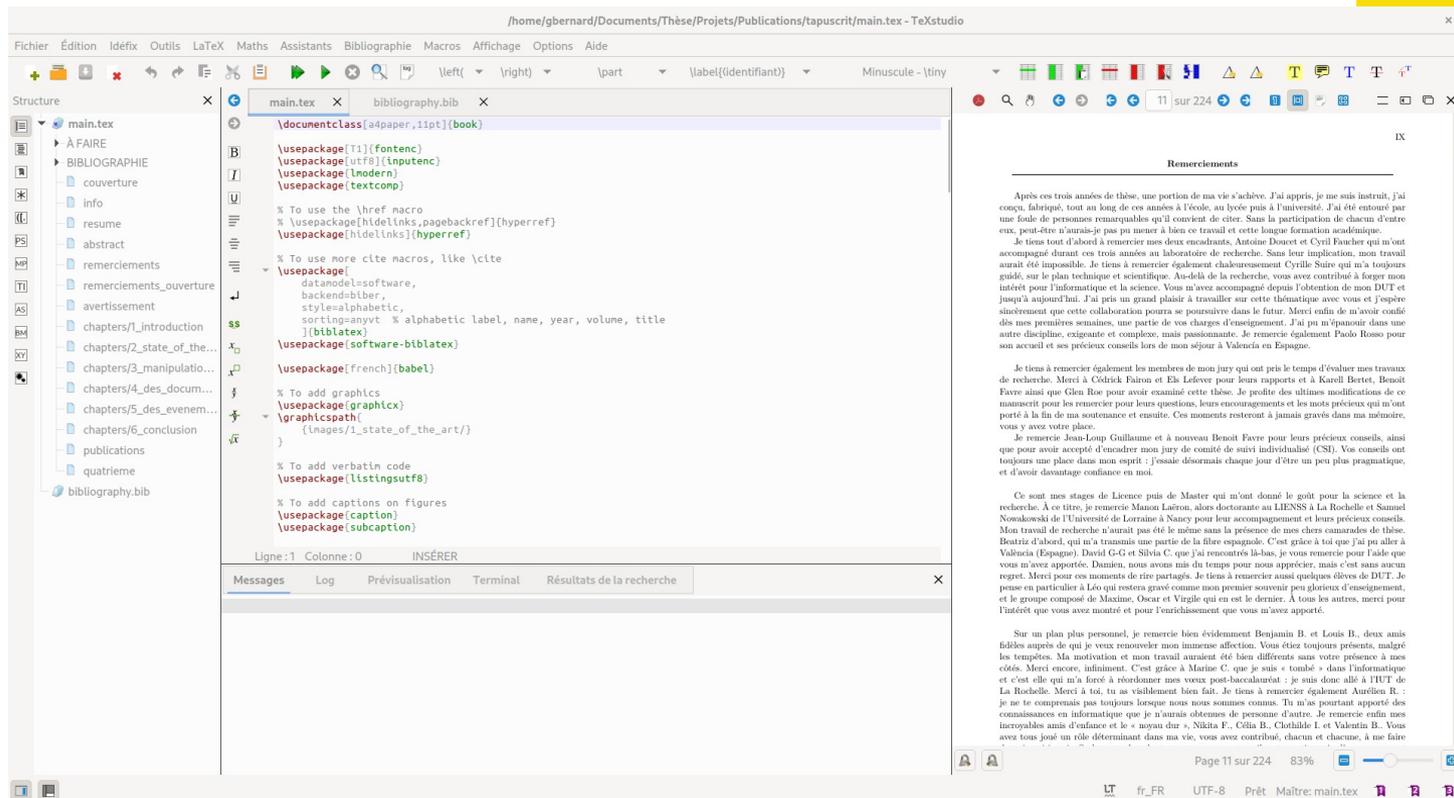


gitlab.univ-lr.fr

- x Partager avec L3i-PN
- x CI/CD Possible
- x Gestion des droits



- X TexStudio
- X Git (+ Gitlab !) [+ CI ?]



The screenshot shows the TexStudio interface with a project named 'Thèse/Projets/Publications/tapuscrit/main.tex'. The left sidebar shows a file tree with folders like 'À FAIRE', 'BIBLIOGRAPHIE', 'couverture', 'info', 'resume', 'abstract', 'remerciements', etc. The main editor displays the LaTeX source code for 'main.tex', including package declarations like `\documentclass[a4paper,11pt]{book}`, `\usepackage[T1]{fontenc}`, `\usepackage[utf8]{inputenc}`, `\usepackage[modern]{usepackage}`, `\usepackage[hideinks]{hyperref}`, `\usepackage[software-bibtex]{bibtex}`, `\usepackage[french]{babel}`, `\usepackage[graphicx]{graphicspath}`, `\usepackage[listingsutf8]`, and `\usepackage{caption}`. The right pane shows a preview of the document, specifically the 'Remerciements' (Acknowledgments) section, which contains several paragraphs of text in French.

Sauvegarder ses données

- 3 mois de thèse, pas de sauvegarde...
- ... et c'est le drame !



- Sauvegarde

- Programmé
- Multi-site
- Chiffré

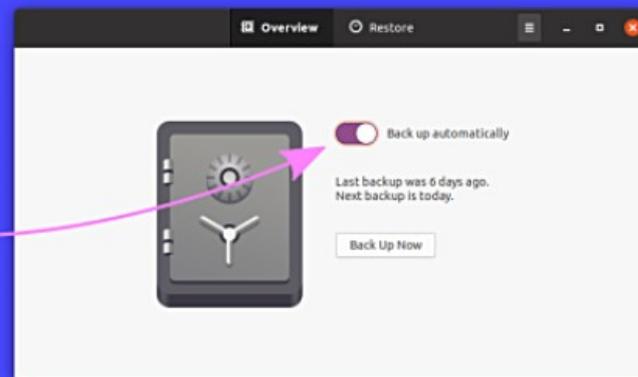
- Supports

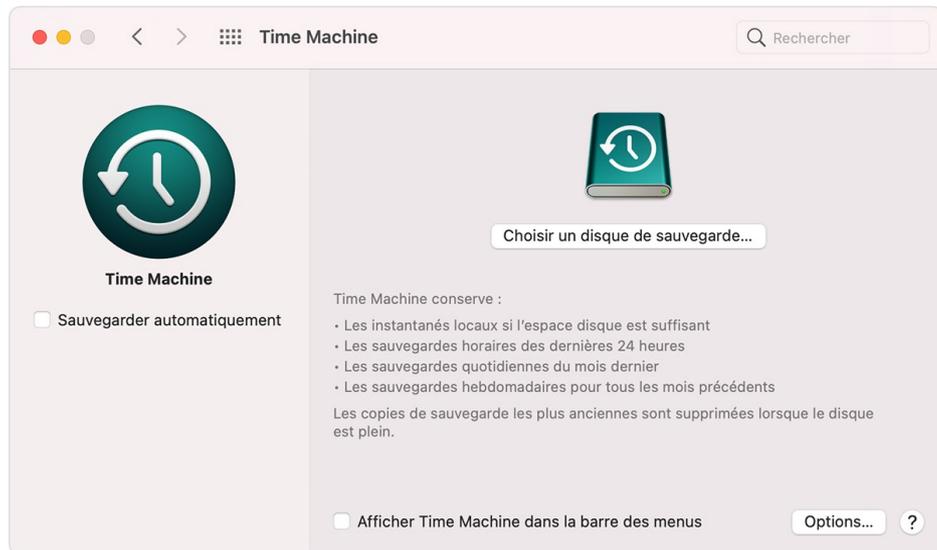
- `wnas.univ-lr.fr` (jusque 350Go)
- `ender.univ-lr.fr` (1Go)
- Disque dur externe ?

- deja-dup
 - Tous les jours
 - Incrémental
 - 3 ou 6 mois d'historique

Back up your files automatically

Set it and forget it





Time Machine

Duplicati > Canary

- + Add new backup
- 📄 Restore backup
- ⏸ Pause
- ⚙ Settings
- 🔗 Show log

No scheduled tasks, you can manually start a task

Mac (Diskstation) >

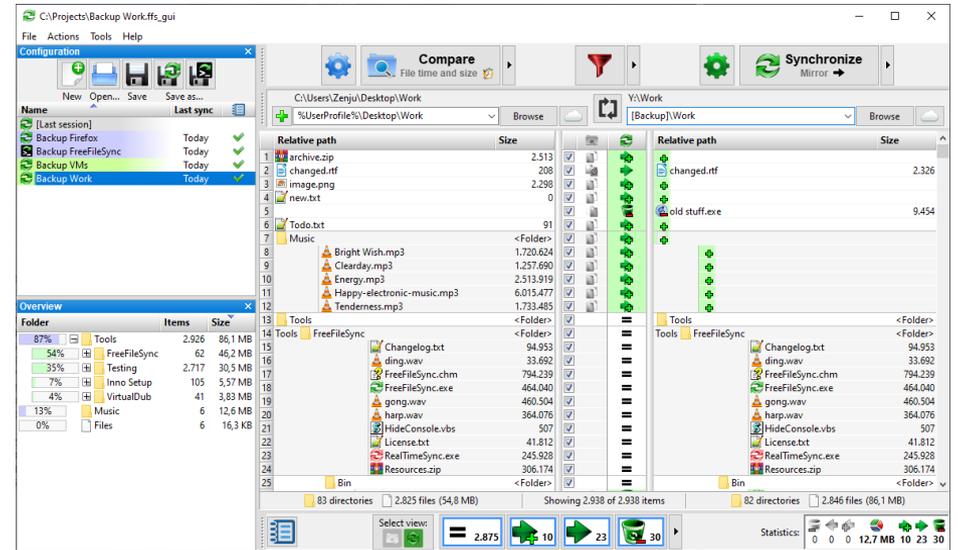
Last successful run: Mar 8, 2016 2:11:38 PM
 Source: 11,32 GB
 Backup: 10,82 GB

Mac (Transfer) >

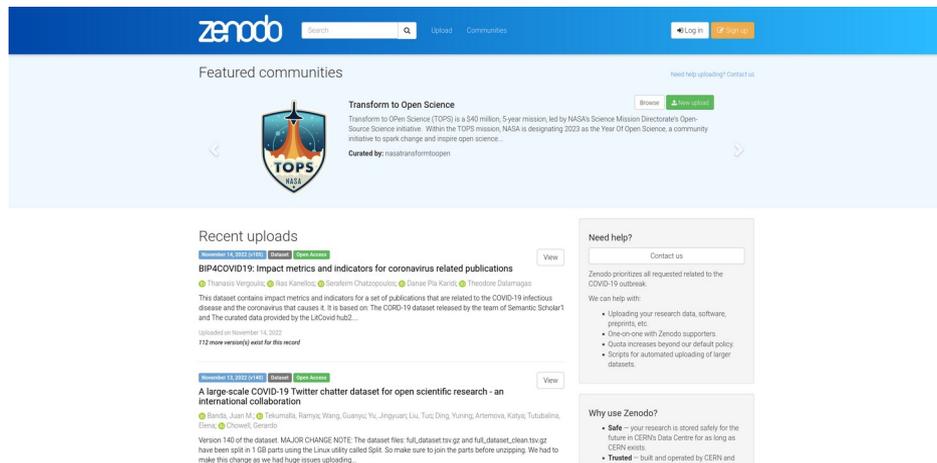
Last successful run: Mar 8, 2016 11:47:35 AM
 Source: 291,42 MB
 Backup: 292,27 MB

Duplicati

- En fonction du volume
 - Clef USB (lent, mais 128Go?)
 - Disque dur (volume données)
 - SSD Externe (cher, rapide)

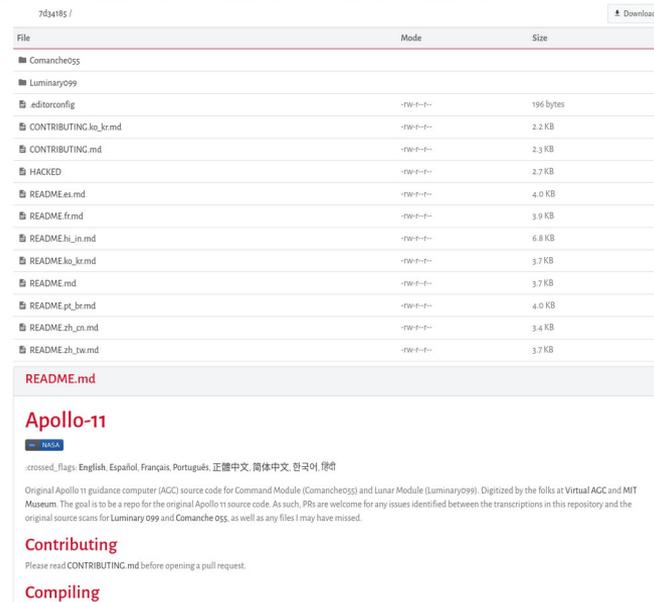


FreeFileSync



The screenshot shows the Zenodo homepage. At the top, there is a search bar and navigation links for 'Upload' and 'Communities'. Below this, a 'Featured communities' section highlights 'Transform to Open Science' with a NASA logo and a 'Browse' button. A 'Recent uploads' section lists several datasets, including 'BIPACOV19: Impact metrics and indicators for coronavirus related publications' and 'A large-scale COVID-19 Twitter chatter dataset for open scientific research - an international collaboration'. A 'Need help?' section provides contact information and a list of supported file types.

Zenodo



The screenshot shows a file repository interface. At the top, there is a 'Download' button. Below this is a table listing files with columns for 'File', 'Mode', and 'Size'. The files listed include 'Comanche055', 'Luminary099', 'editorconfig', 'CONTRIBUTING_ko_kr.md', 'CONTRIBUTING.md', 'HACKED', 'README.es.md', 'README.fr.md', 'README_h_in.md', 'README_ko_kr.md', 'README.md', 'README_pt_br.md', 'README_zh_cn.md', and 'README_zh_tw.md'. Below the table, there is a 'README.md' section with the title 'Apollo-11' and a NASA logo. The text describes the original Apollo 11 guidance computer (AGC) source code for the Command Module (Comanche055) and Lunar Module (Luminary099), digitized by the folks at Virtual AGC and MIT Museum. It also includes a 'Contributing' section with a note to read CONTRIBUTING.md before opening a pull request, and a 'Compiling' section.

Software Heritage

Attention à la propriété intellectuelle et aux droits des financeurs