









An Open Scanner, or AOS is

- A community-driven project for digitisation and computer-based accessibility of documents
- Open Access Hardware and Software that allows scanning almost any standard document, book, manuscript at low cost.
- An effortless design to allow the creation of scanners that releases in Machine Learning Computer Vision algorithms to manipulate and enhance the shots
- By design, it has the potential to create a community of "operators" and "editors" distributed worldwide.
 - Making much easier to go from a physical piece of paper to a digital and enhanced document thanks to Cloud Computing
- It has a dedicated business model in the spirit of "Made with Creative Commons".





AOS primary targets

- Whoever wants to digitise a document or book
- Small & medium educational institutions
 - Schools, universities, libraries
- Public & Private museums and other cultural associations
- Traditional publishers and other media companies
- Scientists and researchers that need mobility and flexibility to scan dedicated documents
- But also
 - Editors and others that need to enhance an already digitised book.
 - Organisations that want to distribute the workload of large documents amount personnel or volunteers.

And it is here where the community is created!



AOS communities:

The CC Venezuela chapter ...

• The Operators

0

The Editors

 C





AOS business models:

- The Operators
 - 0
- The Editors

0







AOS Hardware



AOS business models:

- The Operators
 - 0
- The Editors

C



AOS Software



AOS business models:

- The Operators
 - С
- The Editors

C







AOS Status



AOS• A

• B

•



AOS Timeline



AOS• A

• B



AOS Contacts

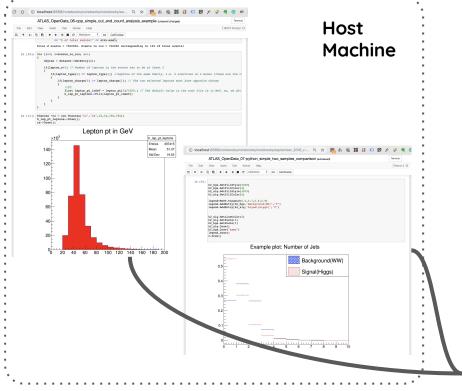


AOSAB



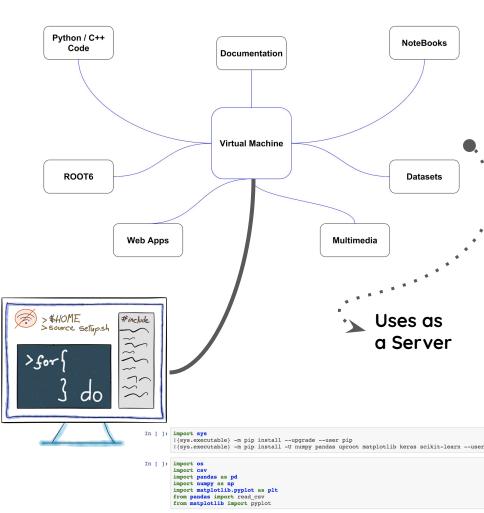


by CC Venezuela



Jupyter notebooks can run ROOT commands and other Python libraries and tools

 The notebooks use both the Python and the C++ ROOT kernel to produce results using the VM as a server, teaching as well the principles of Cloud and Distributed Computing.



Quick view of the anatomy of the ATLAS Open Data VM

- Based in a Linux-kind OS with standard graphical UI
- The OS in enhanced with all ROOT's needed libraries and dependencies
- ROOT5 or ROOT6 analysis framework and IPython
- The Open Datasets and Software analysis frameworks
- Jupyter-notebook technology and Examples Notebooks
- Documentation in form of PDFs and Video tutorials.

