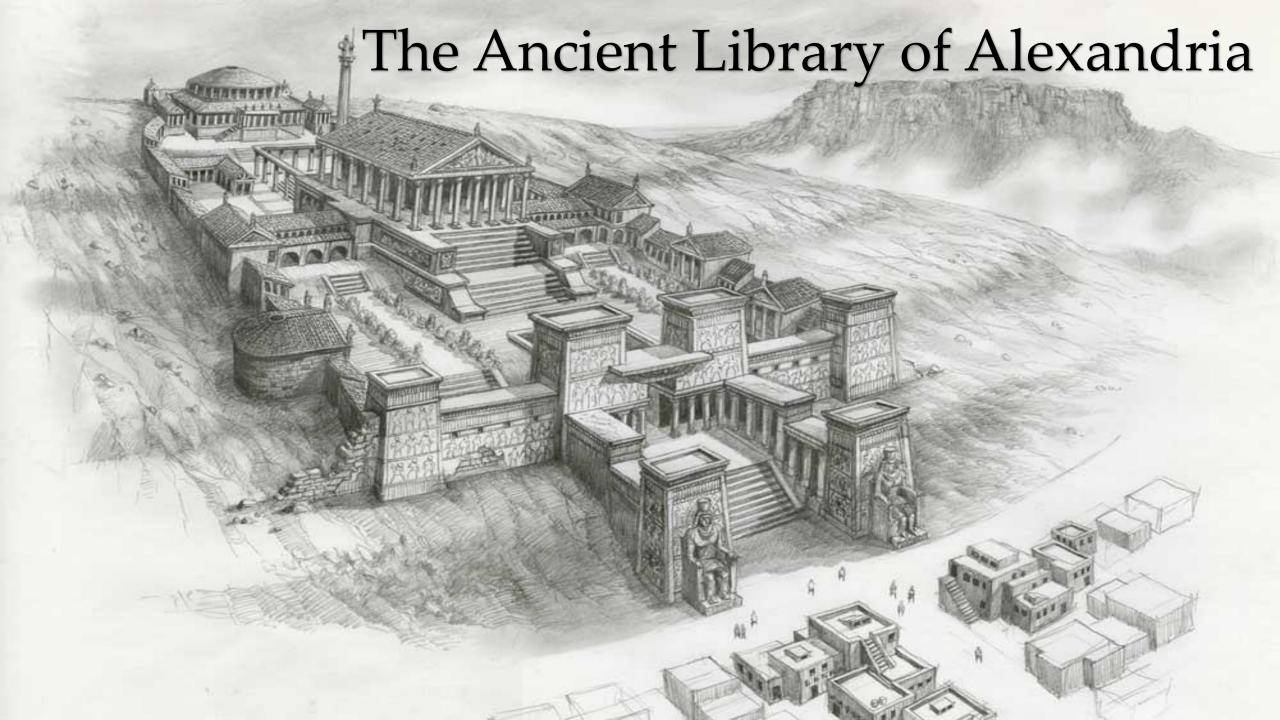
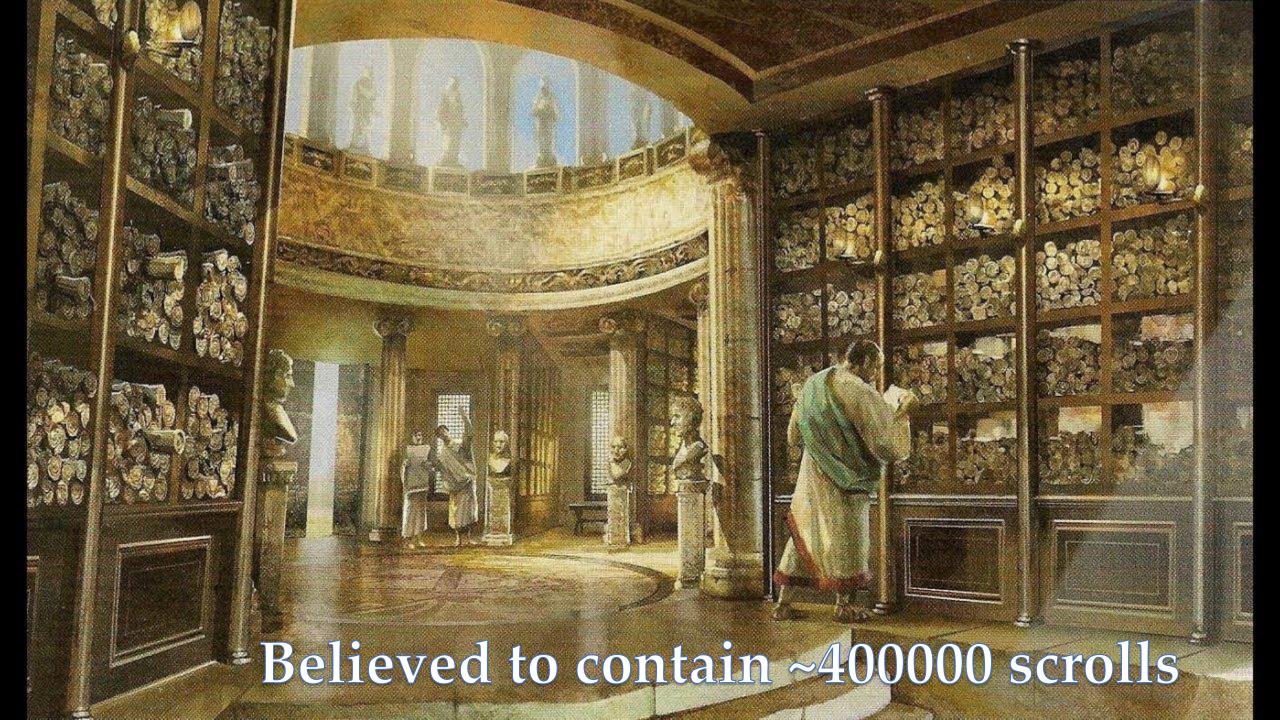
How can we help the spirit of sharing Knowledge?



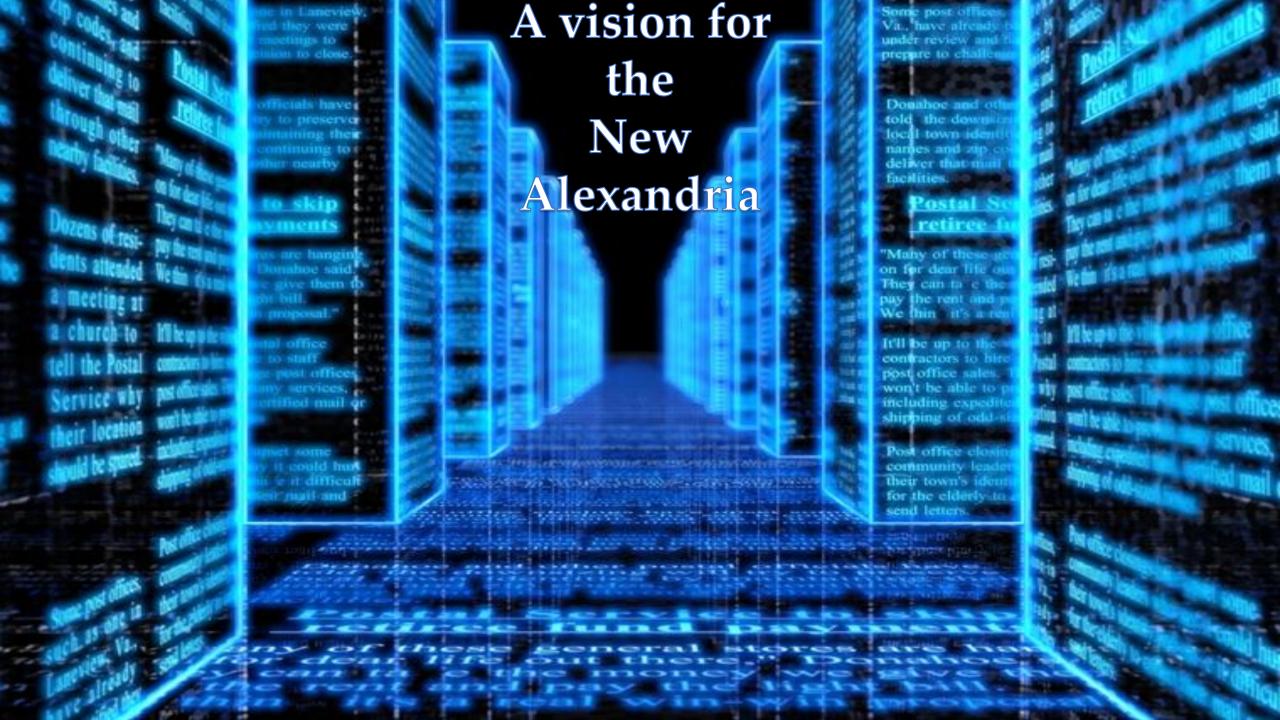
Physics Meets Block Chain 2nd Workshop, CERN, July 11th 2018.

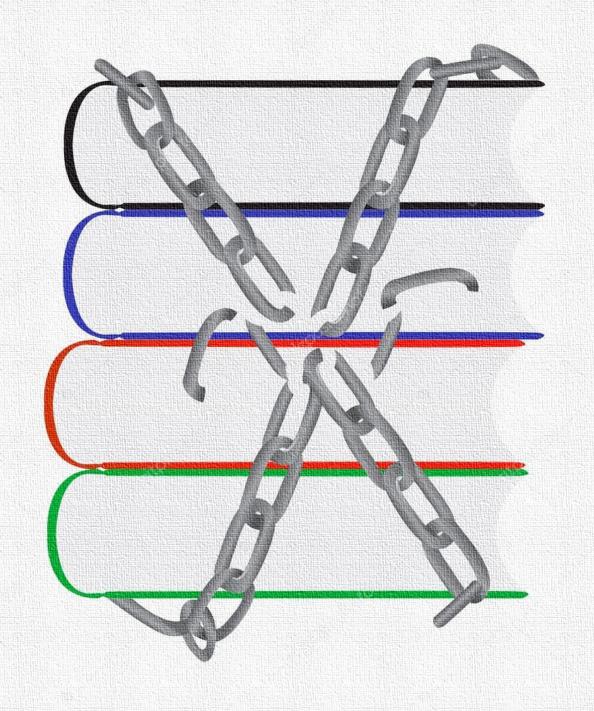
Pablo Garcia Tello Markus Nordberg Oday Darwich











Purpose:
Democratizing
Knowledge and
Innovation

...while giving recognition to its creators.

One single rule: you must give as much as you take

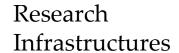




We have a project launcher in place called ATTRACT



























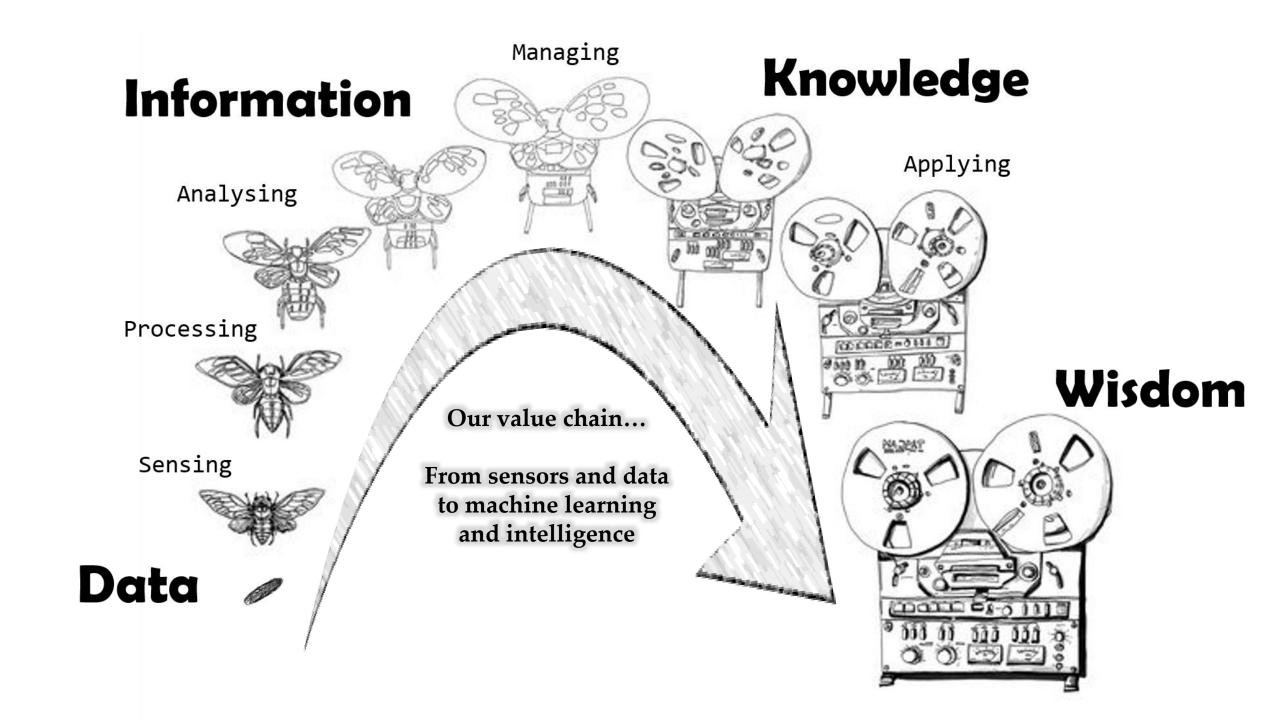


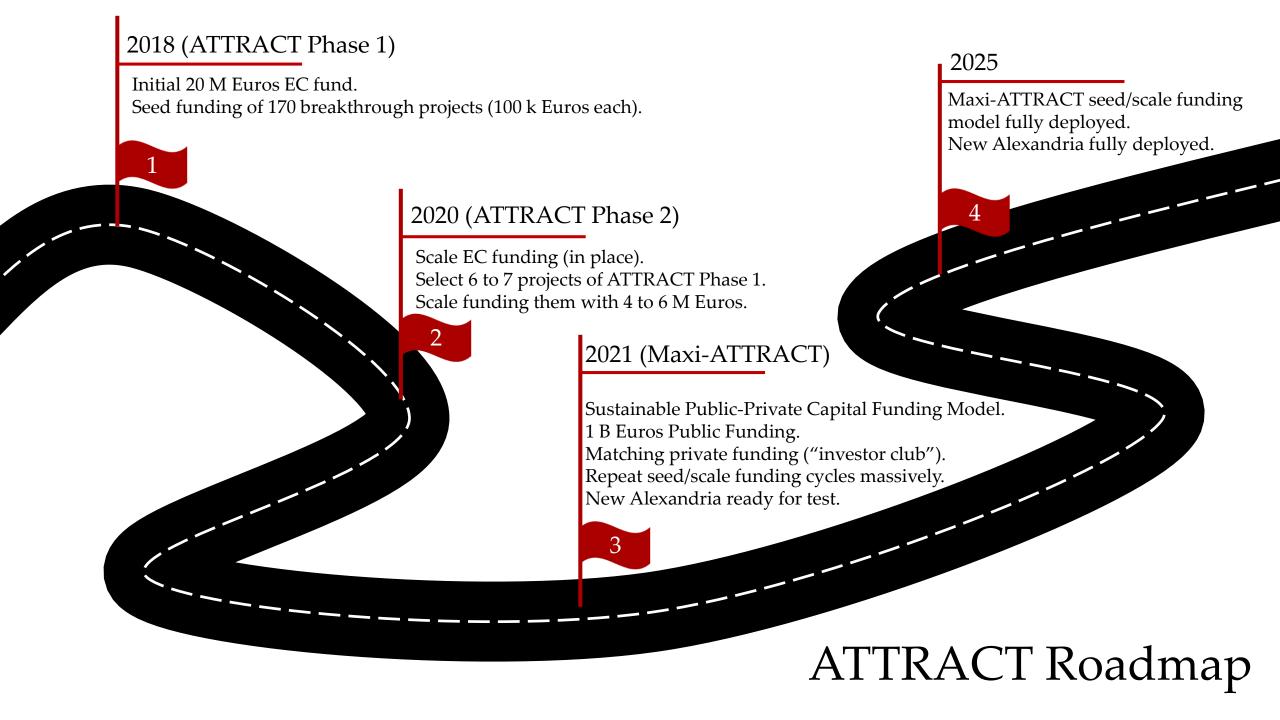
European Commission

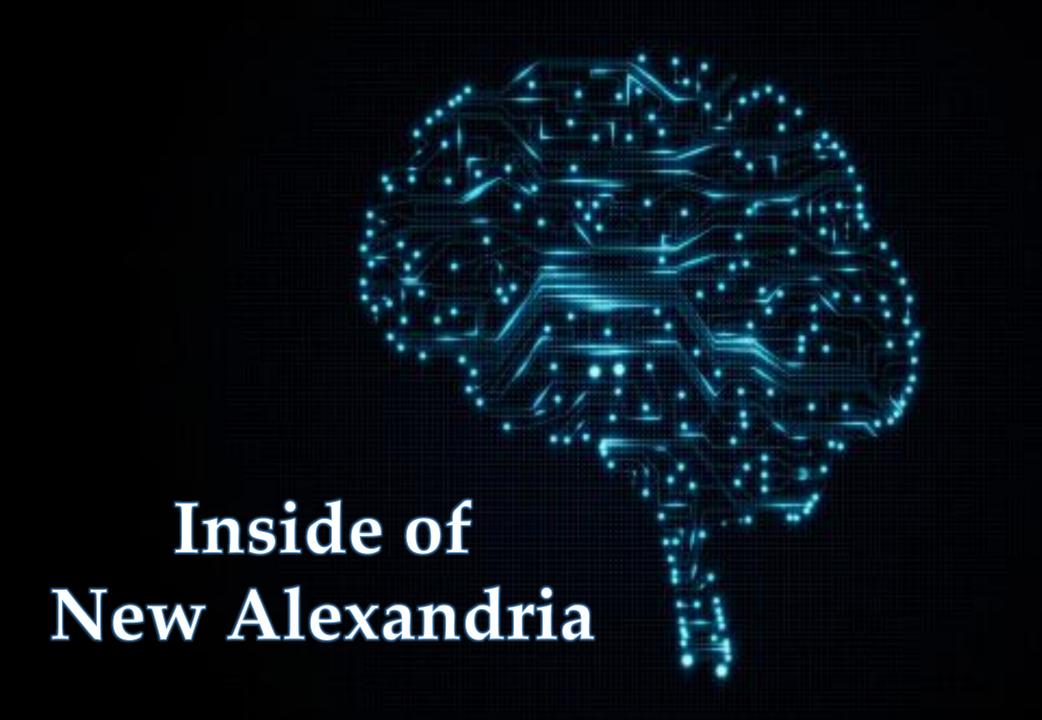




From Breakthrough Technologies expanding Fundamental Research frontiers to Transformative Innovation for Society



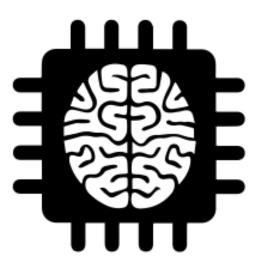




Technology Building Blocks

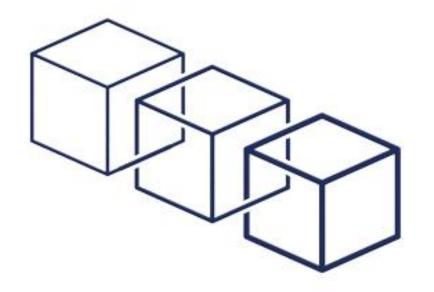




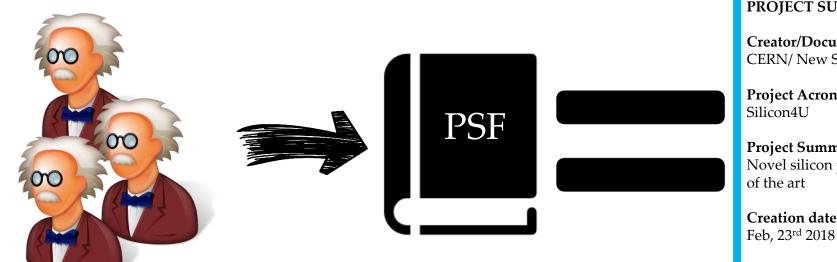


The combined power of Block Chain + Data Visualization + Machine Learning

Block Chain and New Alexandria



Codifying Knowledge



PROJECT SUMMARY FILE

Creator/Document Title

CERN/ New Silicon Photomultiplier

Project Acronym

Project Summary

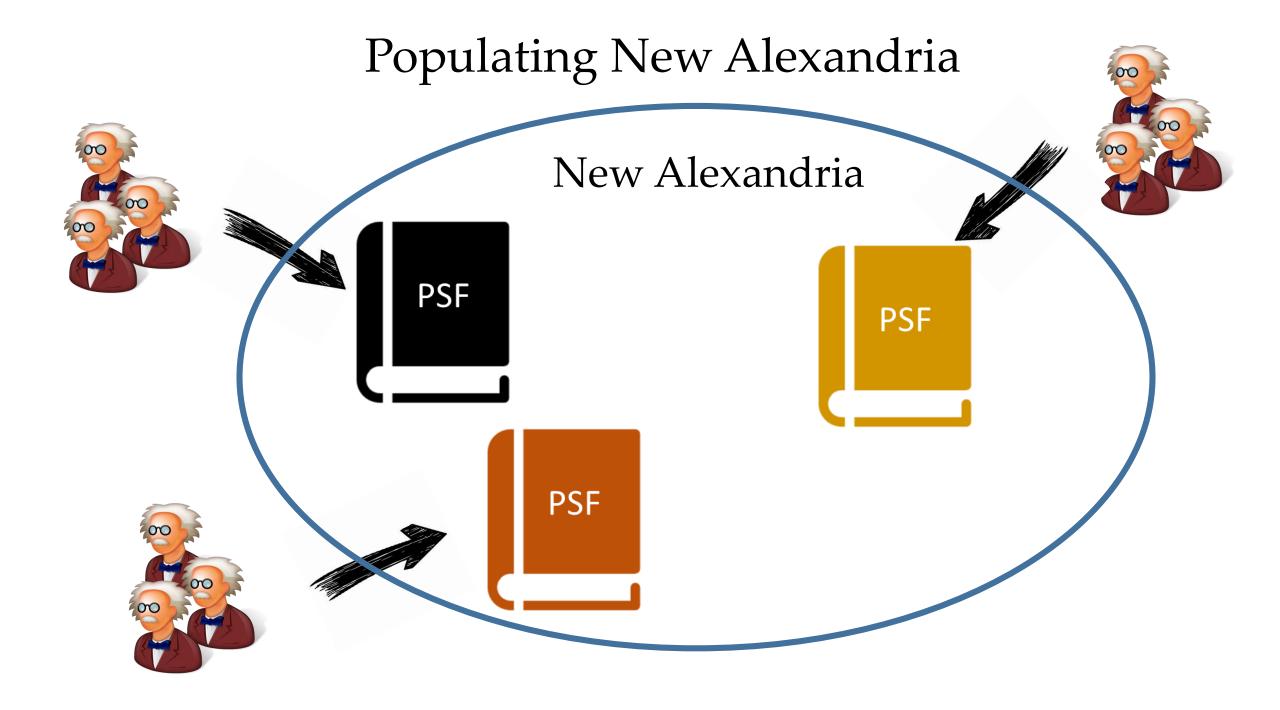
Novel silicon photomultiplier with x10 performance as compared to state

Creation date/Project Update History

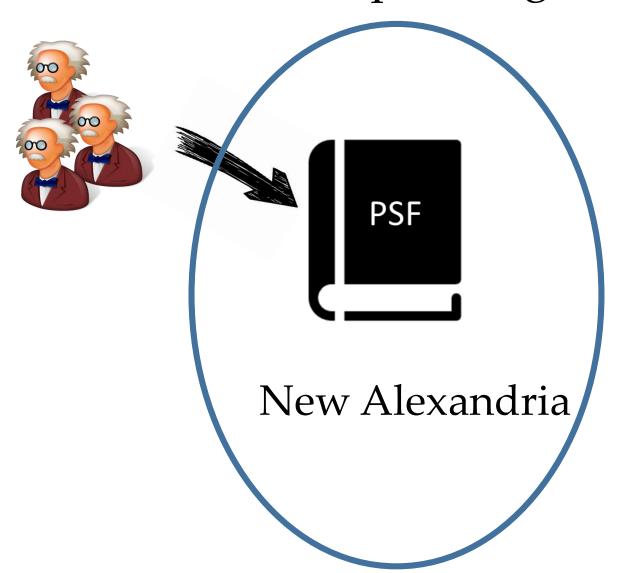
Annexes (Public)

PDF File, Video, Data, etc

The results of each R&D&I project funded by ATTRACT are written in a standardized Project Summary File (PSF).



Populating New Alexandria



PROJECT SUMMARY FILE

Project Hash Code 8743b52063cd84097a65d1633f5c74f5

Creator/Document TitleCERN/ New Silicon Photomultiplier

Project Acronym Silicon4U

Project Summary

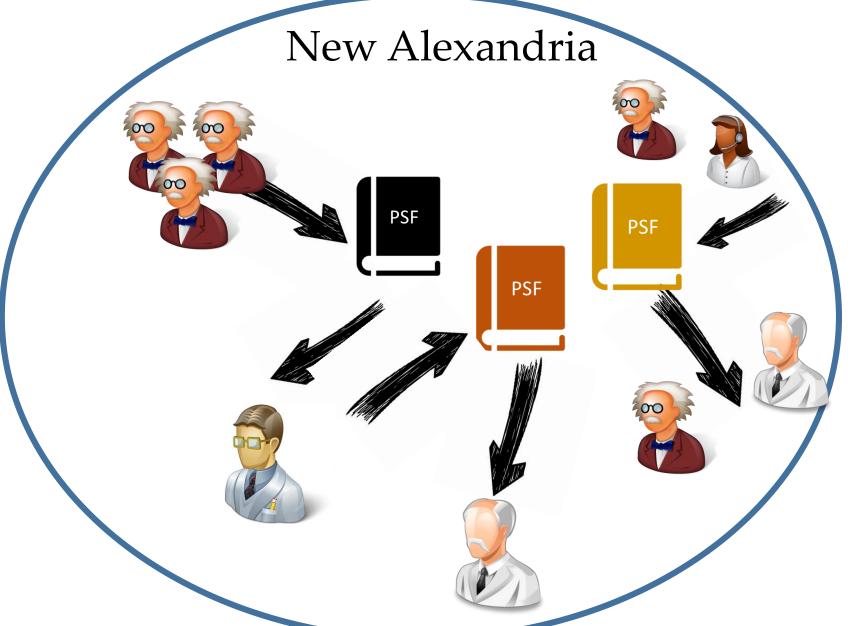
Novel silicon photomultiplier with x10 performance as compared to state of the art

Creation date/Project Update History Feb, 23rd 2018

Annexes (Public)
PDF File, Video, Data, etc

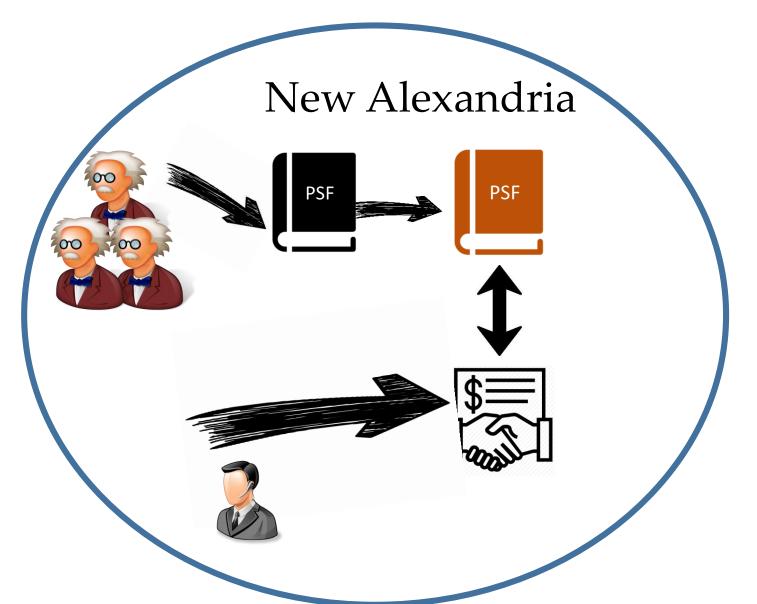
- Every PSF uploaded gets a distinctive Hash Code.
- If the PSF is modified in time by the authors (e.g. with new project results) the PSF keeps the same Hash Code but the Project History is updated.

Transactions in New Alexandria



- New Alexandria is a repository of project results and a trading platform.
- All transactions in New Alexandria are recorded in a shared ledger.
- X number of verified transactions constitutes a block. New Alexandria users are incentivized to mine, since it is interesting to know who is "trading" with who and what.
- Through the ledger it is possible to check if someone breaks the golden rule: "You must give as much as you take".

Investors and New Alexandria



- Investors have access to the New Alexandria shared ledger so they will see the evolution of projects.
- They can link Smart Contracts to projects (e.g. under the condition of achieving certain milestone).

Data Visualization + Machine Learning and New Alexandria





The Shared Ledger of New Alexandria (1)

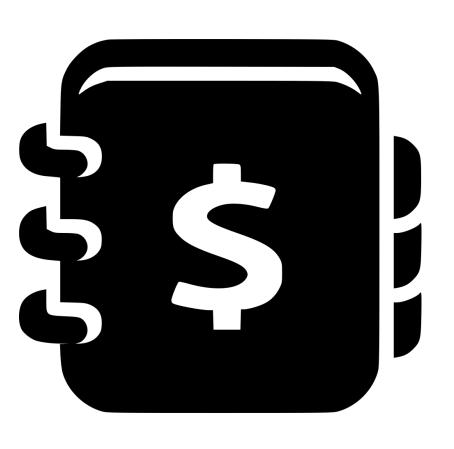


An enormous database which can be used in two ways

1. Visualization

2. Forecasting

The Shared Ledger of New Alexandria (2)



Visualization

- Who is transacting with who
- What is the most/less transacted technology
- Who is the fastest innovator

Etc...

The Shared Ledger of New Alexandria (3)



Forecasting

- What technologies will go faster to market
- How is the next big thing looking like
- In what area is likely to occur
- In what it is interesting to invest

Etc...

Finishing with some Food for Thought







New Alexandria is a vision to empower a future of shared Knowledge.

And it is also a way to discover what is ahead, as innovators.

