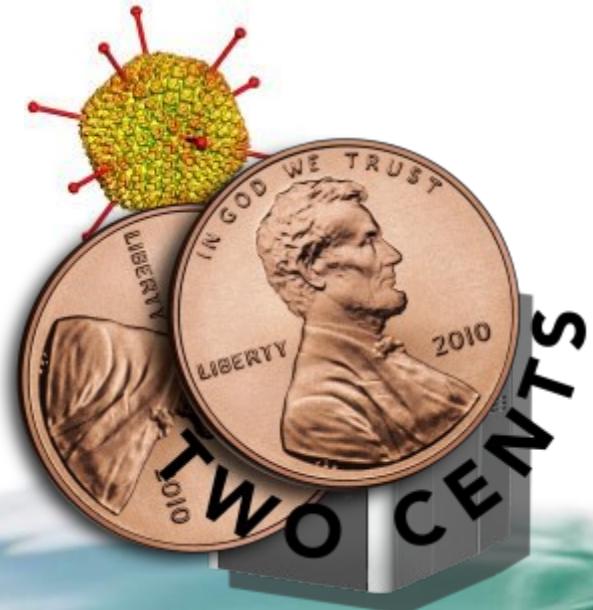


# Data Storage Round Table



Roberto Marabini  
CSIC-UAM / Madrid  
March-April 2016

# What are we doing now?



# Data Transfer Alternatives

Can we use internet..  
&  
What data ...

# Measuring our Network Bandwidth

# How long does it take to download data from...



# Goal: 2TB/day -> 30 MB/s

	Aspera	Rsync-M (Rsync)	Rsync (Rsync)	Rsync (ssh)
EBI	100	75	18	
NCBI	35			
Birbeck				10
Columbia				5
Amazon				97(45)
E				34
Amazon				
U				
Local	200		100	34

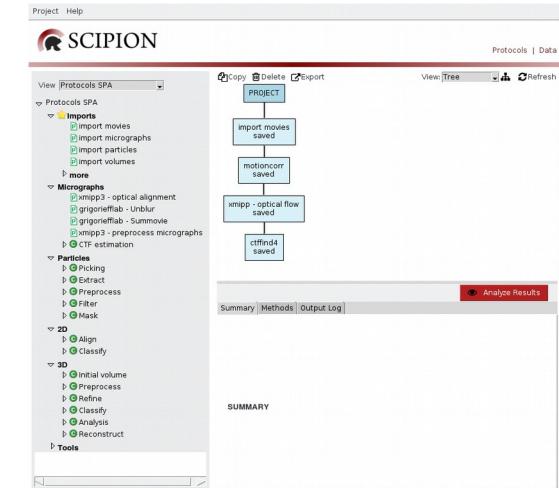
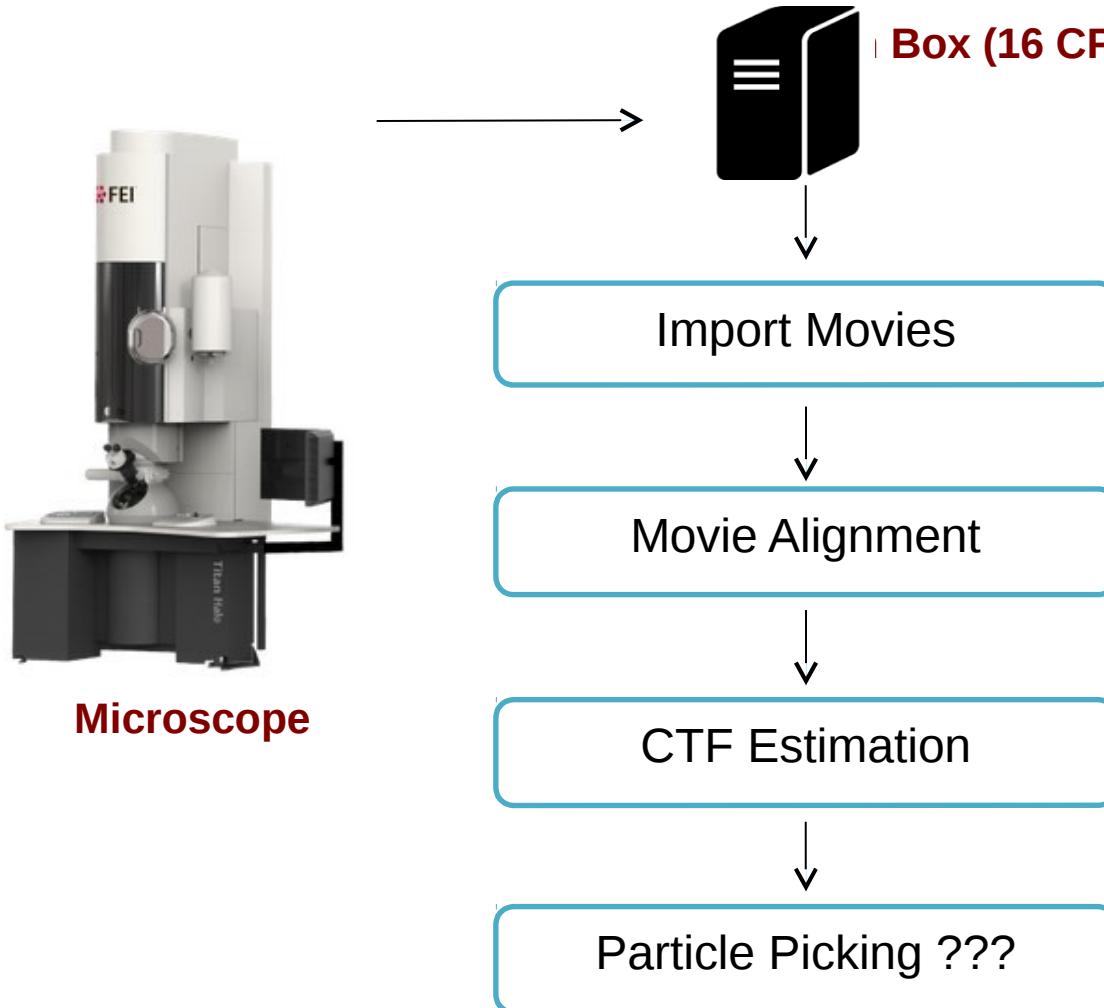


**SCIPION**

A Software Framework  
for Integration, Reproducibility  
and Validation in Cryo-EM

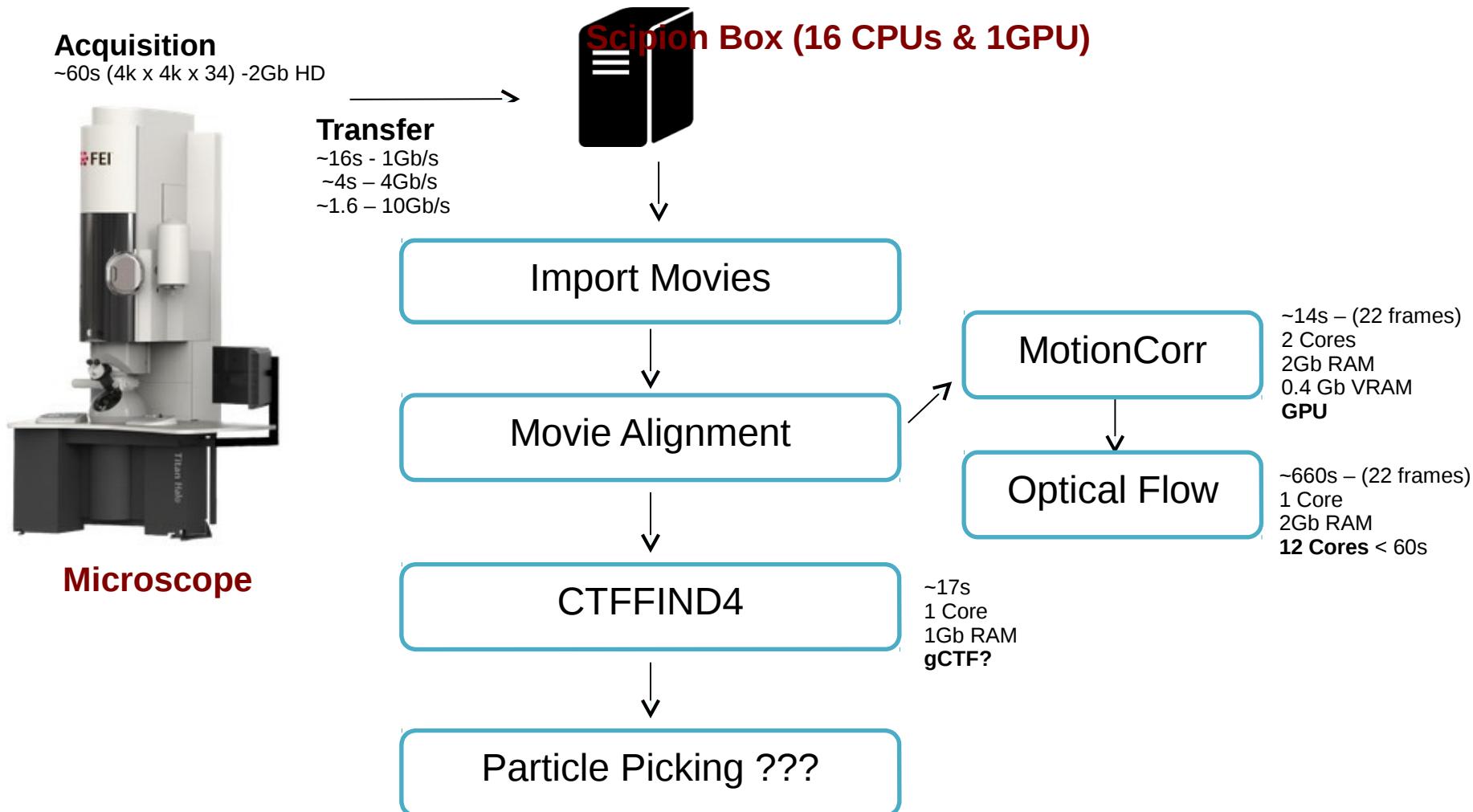
What To Transfer  
Store?

# Run workflows automatically and in streaming



**Workflow  
Repository**

# Run workflows automatically in streaming



# Data Storage Round Table



Roberto Marabini  
March 2016