Building a large-scale preservation repository based on aDORe

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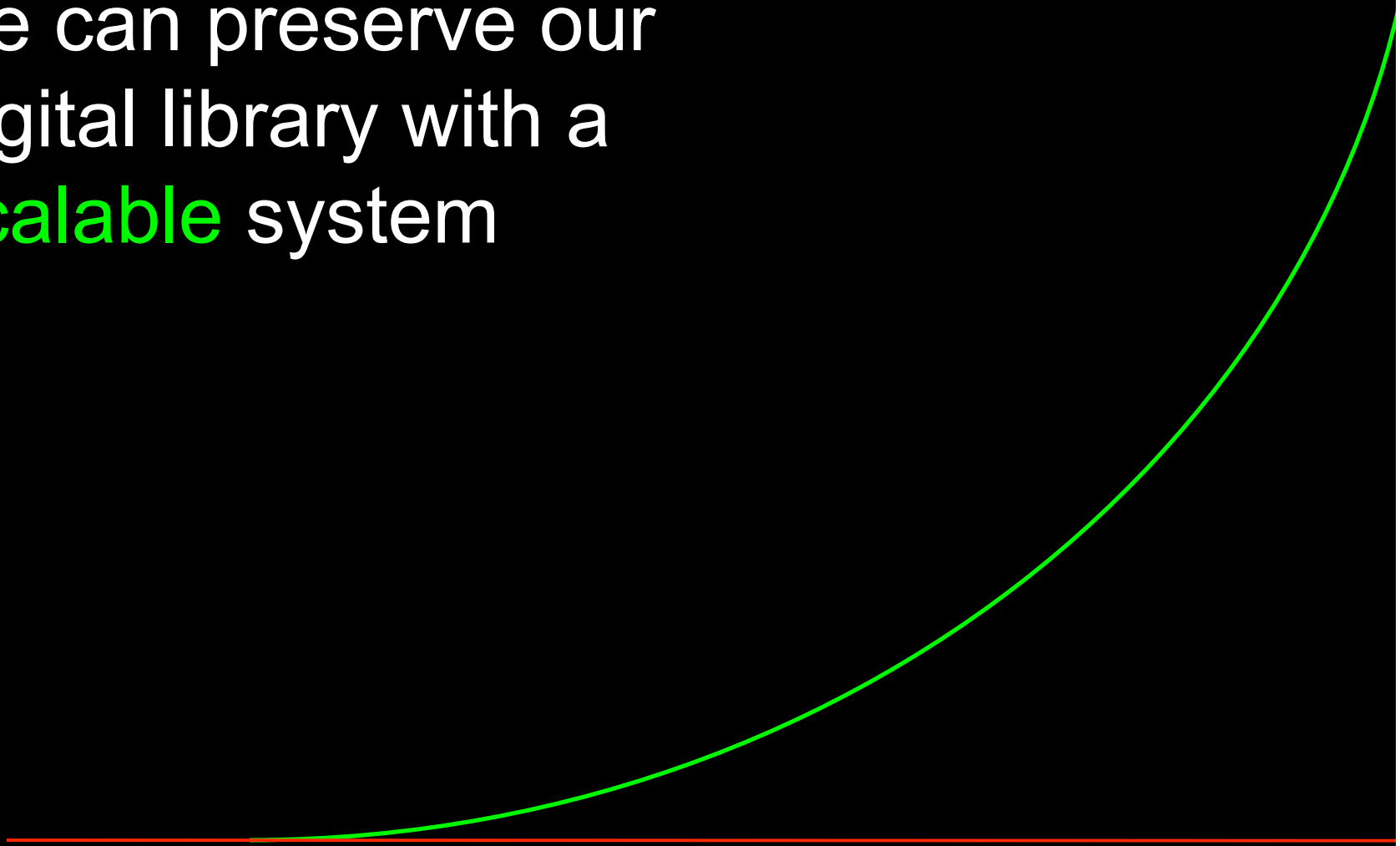
Cornell University Library
needs to preserve
many terabytes of digital assets

anyone building a large OAIS faces problems on a new scale

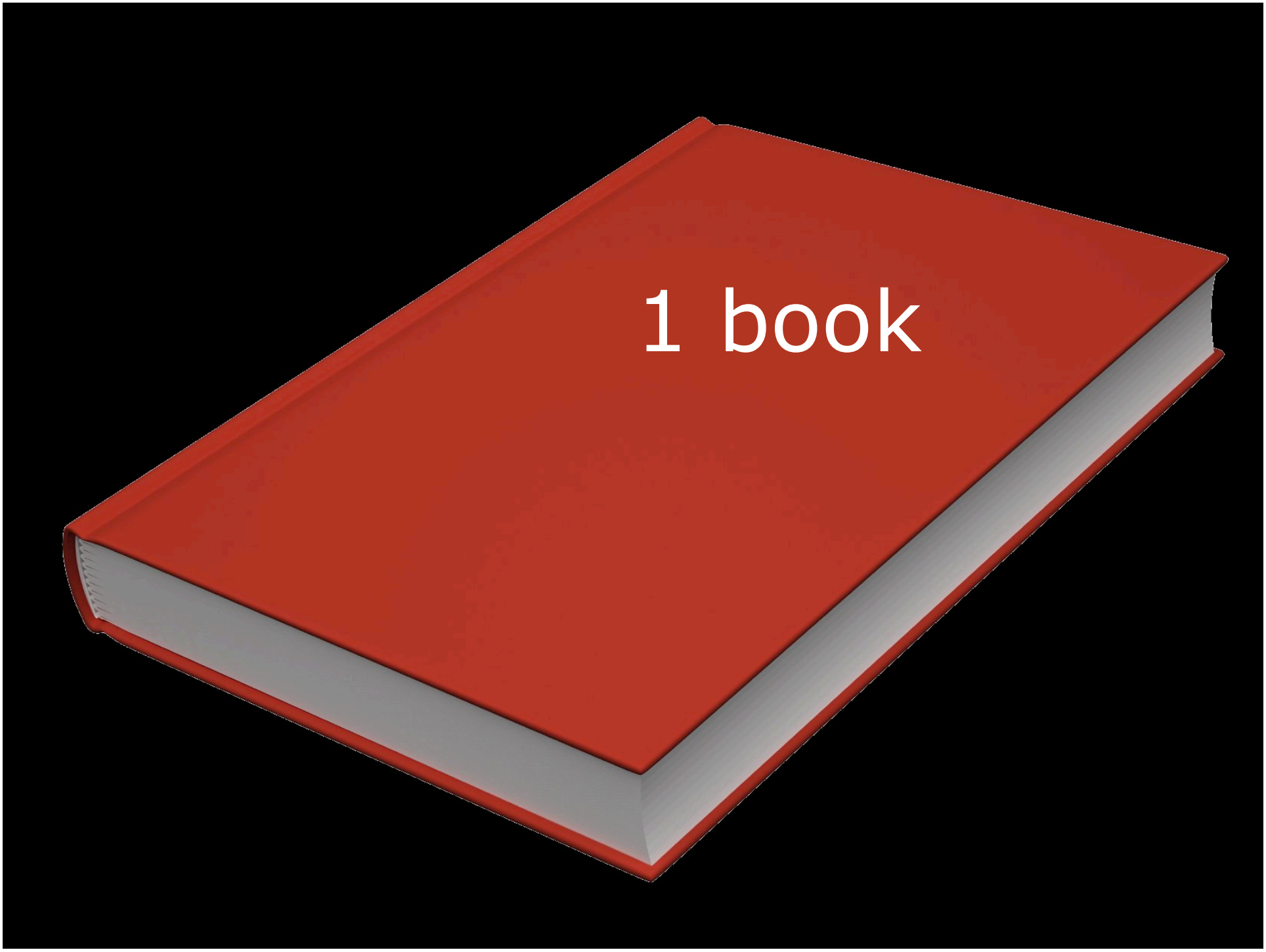
we risk the loss of expensive assets if we manage millions of files poorly

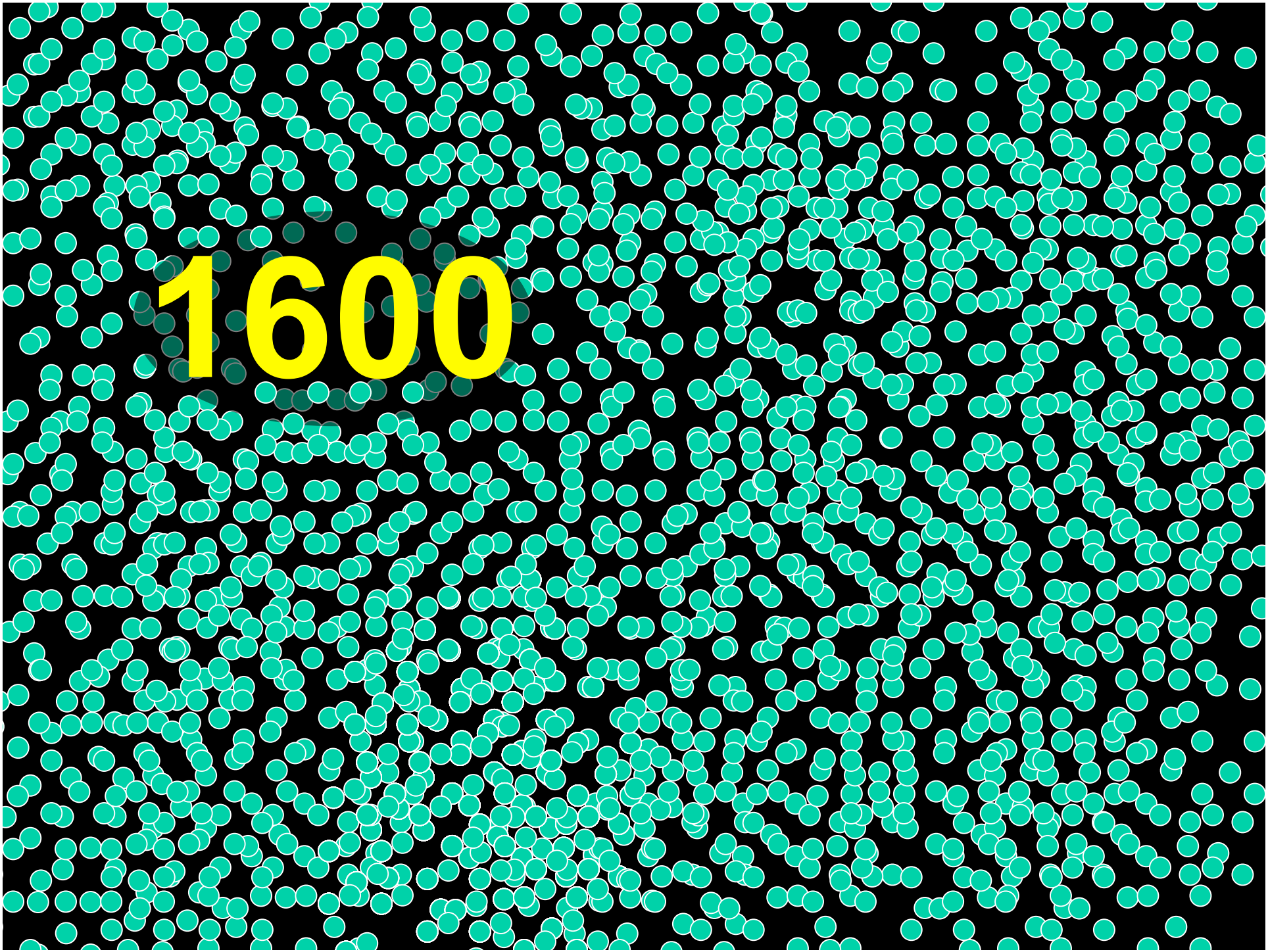
£££€€€$$$

we can preserve our digital library with a scalable system



a standards-based system backed by **aDORe** will do the job


1 book


1600

1 file

(1 pixel)

about 1 million files

(625 books)

how can we manage so many files?

we can bundle them
in an aDORe archive

a METS wrapper describes and transports the digital object

storing the metadata

storing the datastreams

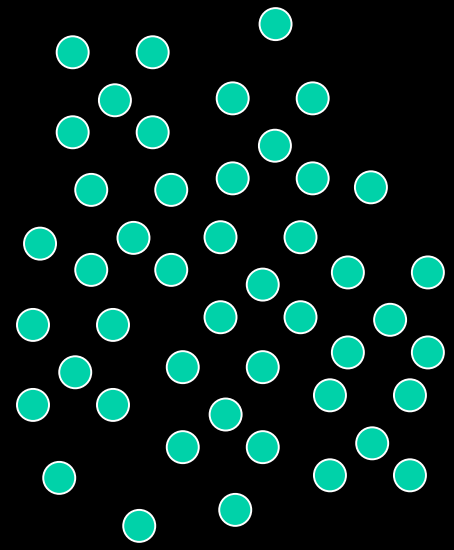
how can we retrieve the files?

with OAI and
OpenURL requests

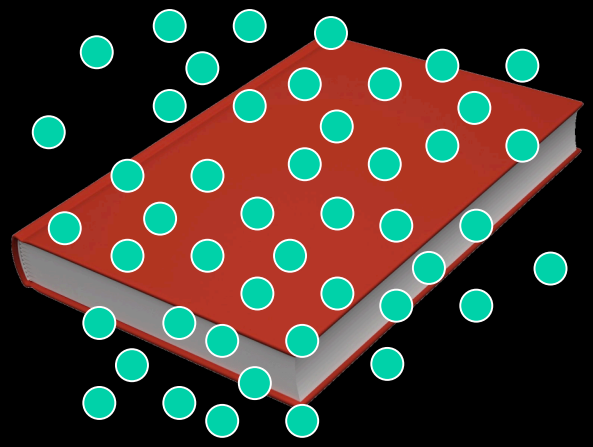
retrieving the metadata

< XML />

retrieving individual files



reconstituting the original complex object



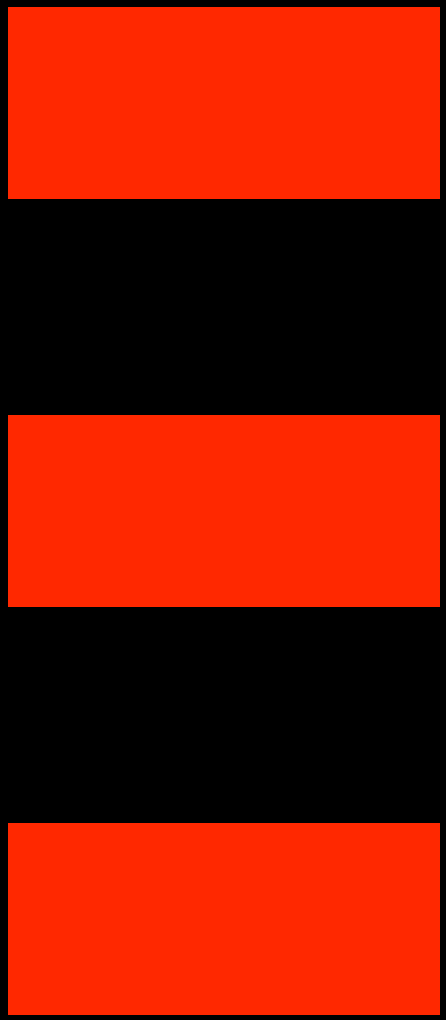
how does the system grow?

by **federating**
multiple
repositories

the aDORe federation software
presents a façade

discovery
and access

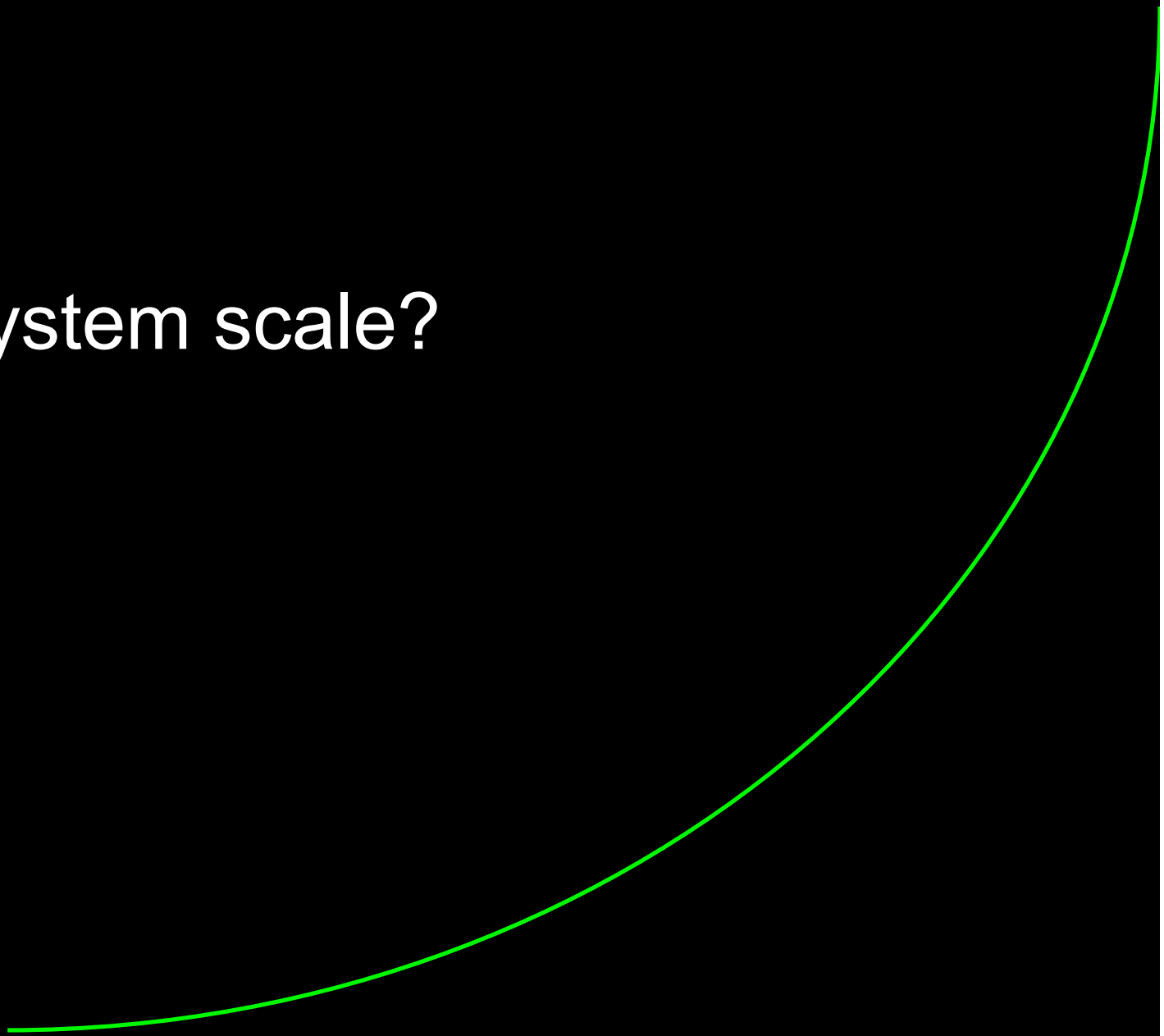
a simple data model for all repositories



finding anything

everything is a
web resource

will the system scale?



we risk the loss of our assets,
our time,
our money,
our reputations,
our self-esteem…

a set of federated aDORe archives
will allow our system to grow huge

the aDORe Federation architecture

a façade
that federates
all repositories?

aDORe at CUL:

wrk1@cornell.edu

aDORe at LANL:

http://african.lanl.gov/aDORe/projects/adoreArchive/

http://african.lanl.gov/aDORe/projects/adoreFederation/