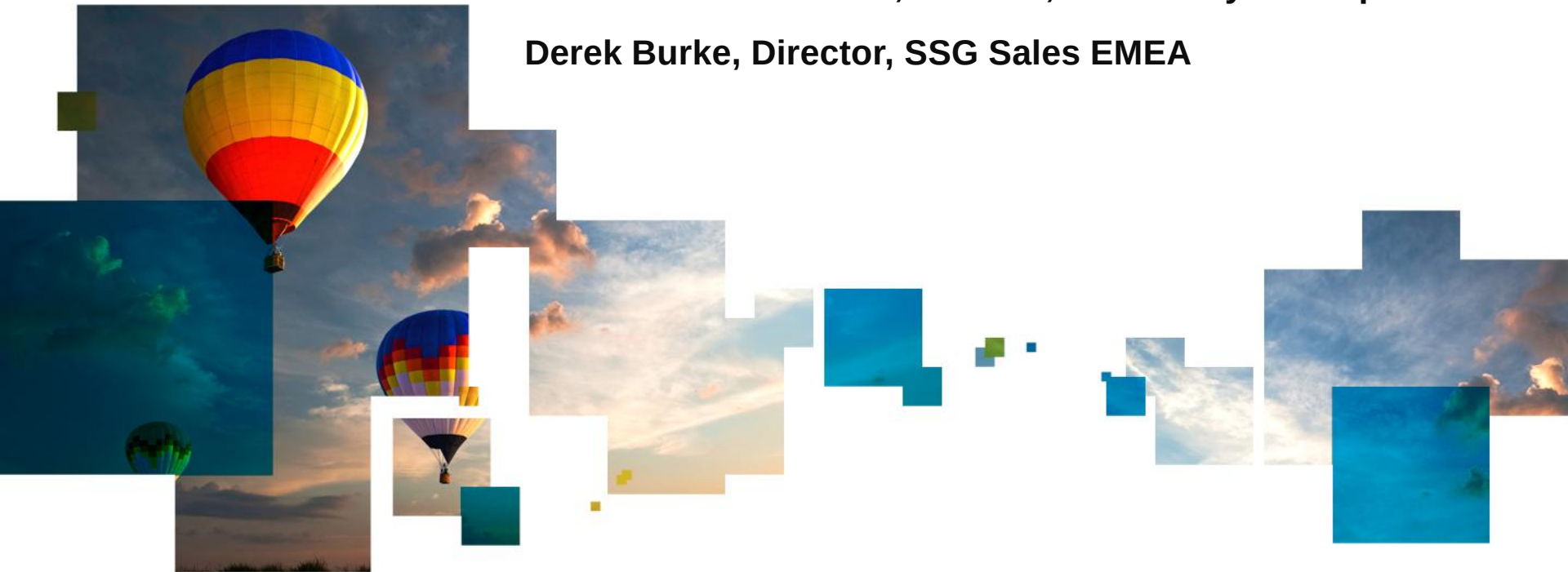
3 Reasons Why Seagate ClusterStor in 3 Minutes

SEAGATE

TERATEC 2016 Forum, June 28, Ecole Polytechnique

Derek Burke, Director, SSG Sales EMEA



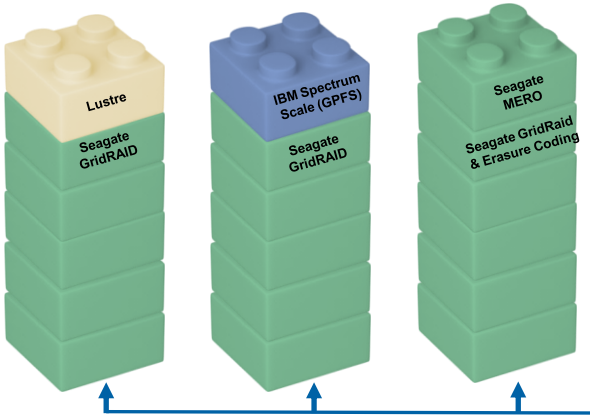
Brexit?

England 1 Iceland 2

Seagate® ClusterStor™ File System Options

ClusterStor Engineered Solutions for HPC

ClusterStor L-Series	ClusterStor G-Series	ClusterStor A-Series



53 elements

File System Environment

Data Protection
Seagate
Systems Mgtm
Seagate
Embedded Controllers
Seagate
Storage Enclosures
Seagate Purpose-built
SSD or HDD Drives

3 Reasons Why

Seagate ClusterStor

#1: ClusterStor is Proven at the Highest Scalability

- **Seagate ClusterStor powers both European supercomputers in the Top 10**
- **Seagate ClusterStor is in production at 6 of the top 10 supercomputing customers in Europe**

Sample of European ClusterStor Customers

cea

epcc

CSCS
Centro Svizzero di Calcolo Scientifico
Swiss National Supercomputing Centre

ECMWF
EUROPEAN CENTRE FOR MEDIUM RANGE WEATHER FORECASTS

HLRS
High-Performance Computing Center | Stuttgart

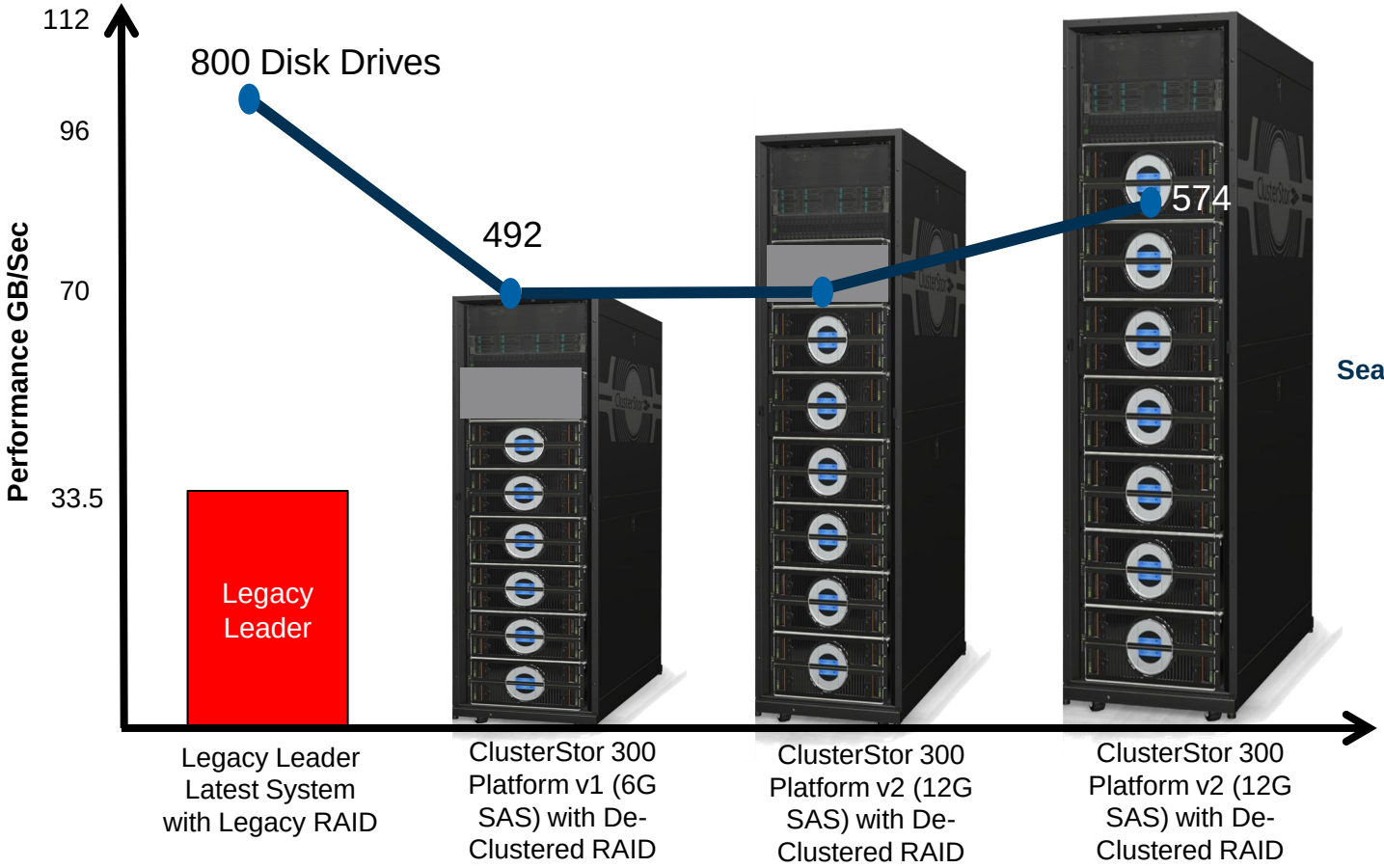
ccrt

Met Office

DKRZ
DEUTSCHES KLIMARECHENZENTRUM

#2: Leading Performance Per Drive

Real Comparable File System Benchmarks



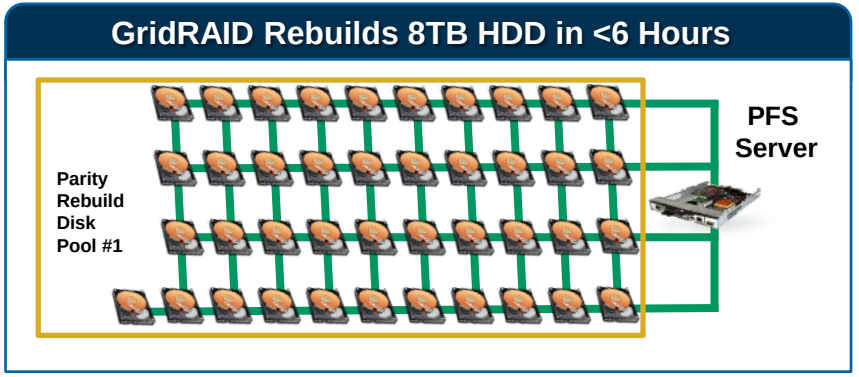
File System Performance Per Drive:

Legacy Leader = 42MB/sec

Seagate ClusterStor 300 = 195MB/sec

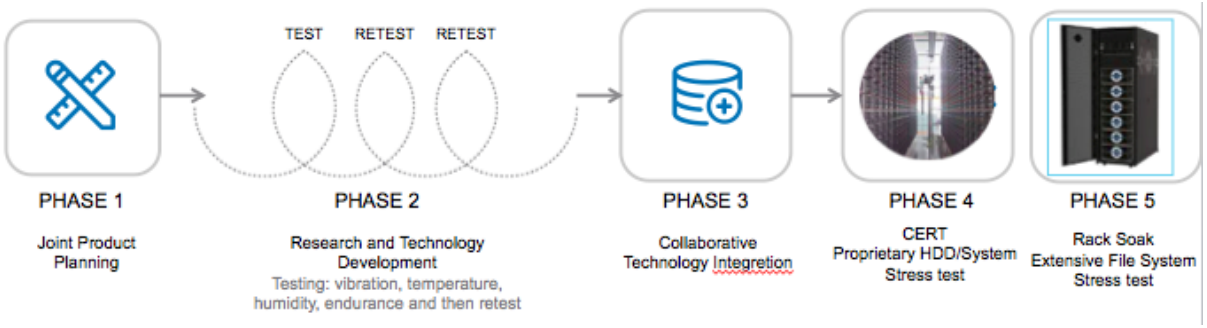
#3 ClusterStor Productivity & Reliability

Productivity: Seagate De-Clustered RAID Rebuilds Failed Drives Up To 6x Faster



Single Line Definition of GRIDRAID with Benefit

Reliability: Drive Annual Failure Rate (AFR) <1%



ClusterStor Manager

Single Management Interface for Management, Monitoring, Reporting, Guided Repairs, Diagnostics, etc.

Seagate Systems European Partnerships

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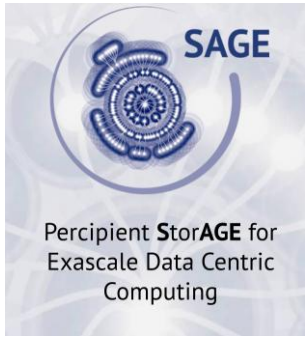
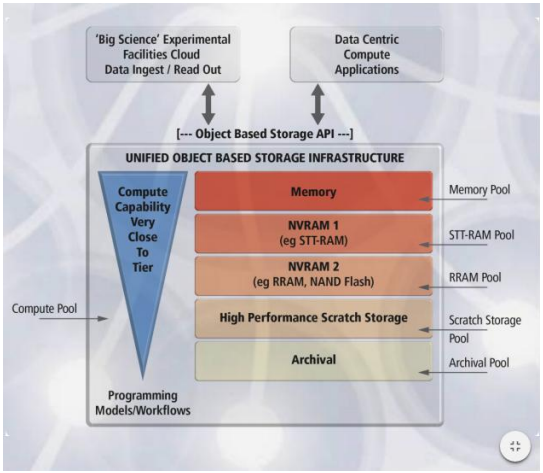
is incorporate in Dublin, Ireland

Sample European Systems Partners



Seagate led EU consortium defining the future of Exascale class storage, funded by Horizon 2020 Research & Innovation Program



Ter@tec

Seagate development office now established at TERATEC campus

Expansion of development team underway

SEAGATE

UEFA EURO2016 FRANCE

MERCI