

PHOTOMOD in Clouds

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Crete, Greece. September 2018

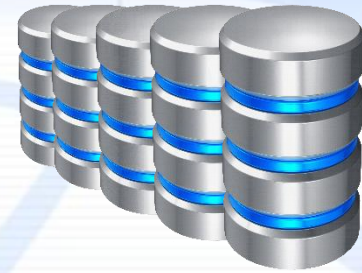


Cloud Technologies



Prerequisites for Cloud Processing

Project Data Volumes Increase



**New products: DSM,
3D point clouds,
True Ortho (DSM based)**



Internet Speed Increase

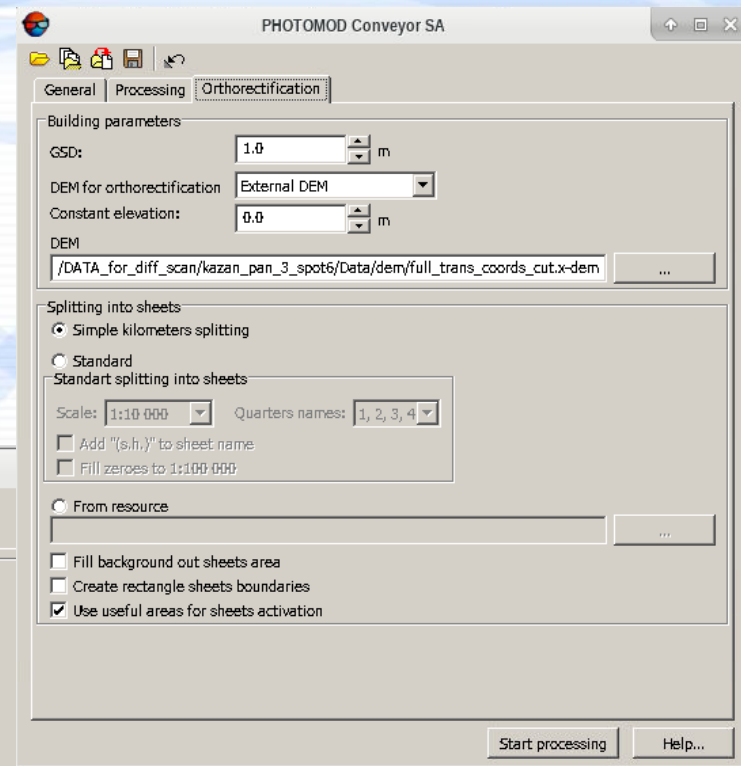
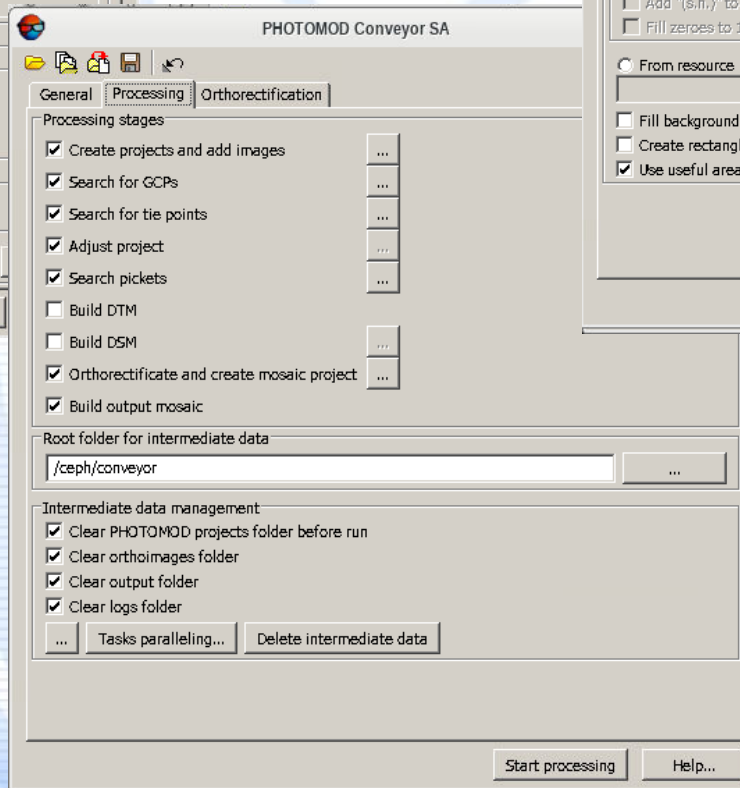
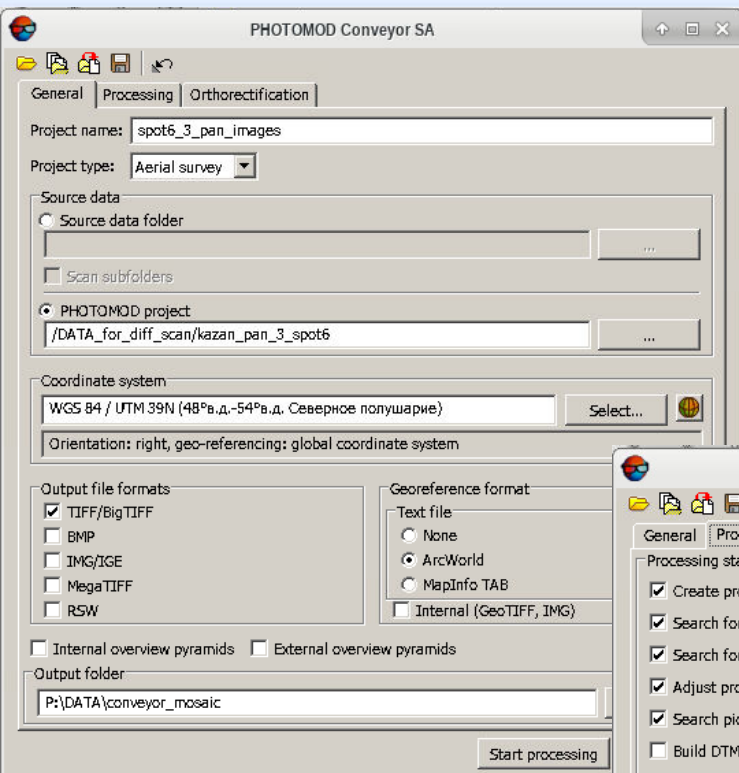


Photogrammetric “blocks”

Blocks can be combined in automatic chains (sequences) of algorithms and data



Automatic sequencies – PHOTOMOD Conveyor SA



Photomod in Clouds

CLOUDEO

Satellite images. Operational



Satellite and aerial images.
Operational - 2018

INNOPOPOLIS
UNIVERSITY

Satellite and aerial images.
Start - 2019

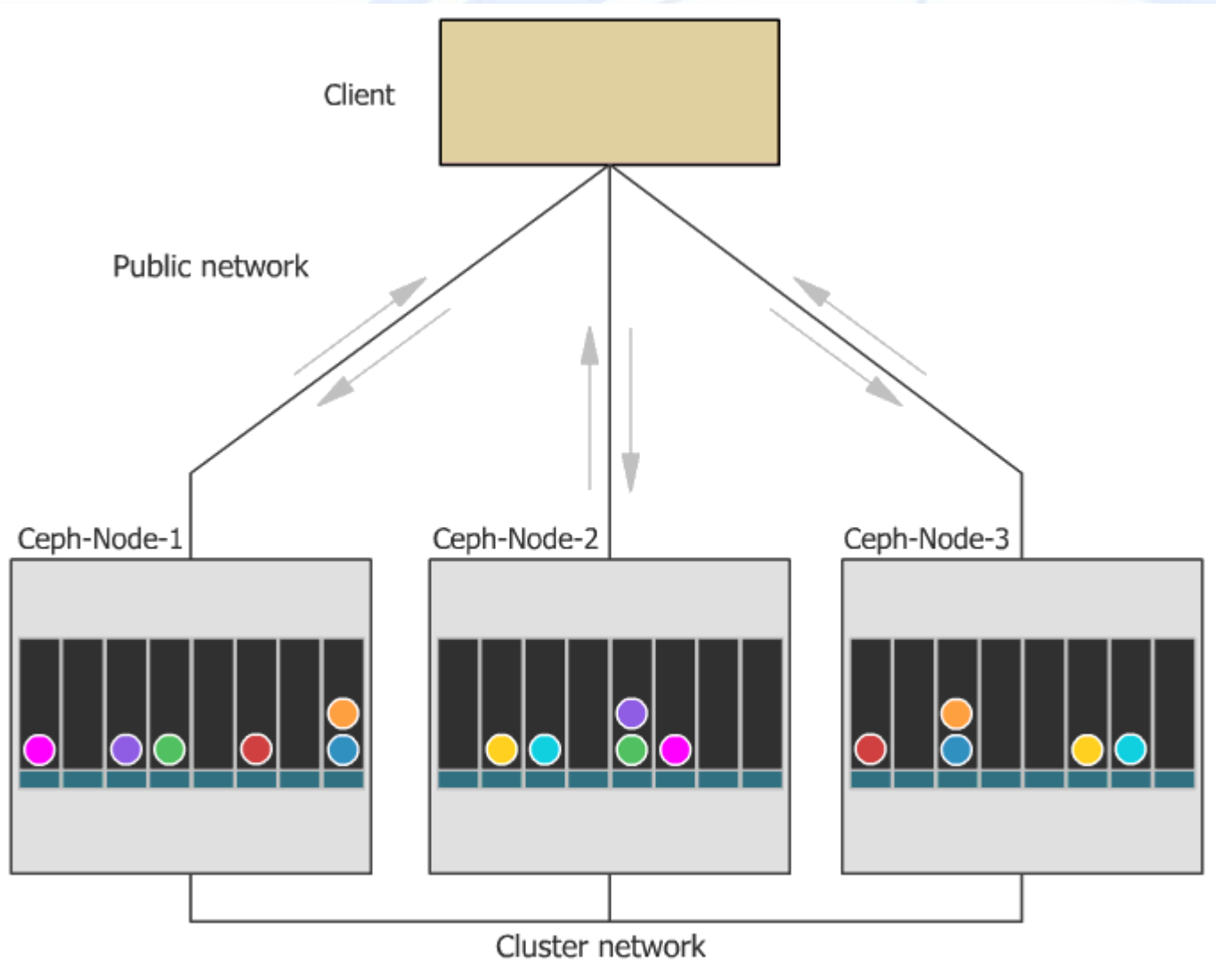


Satellite and aerial images.
Tests - 2017

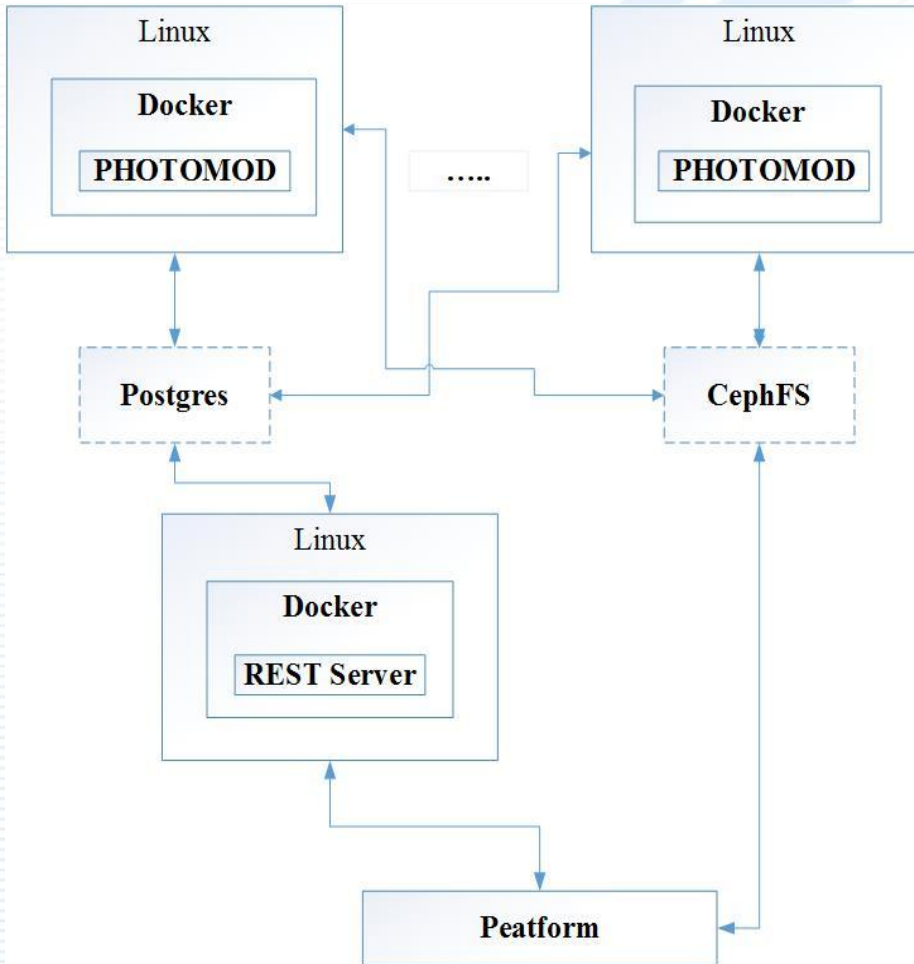
Processing Scheme



CEPH File System



Autochains

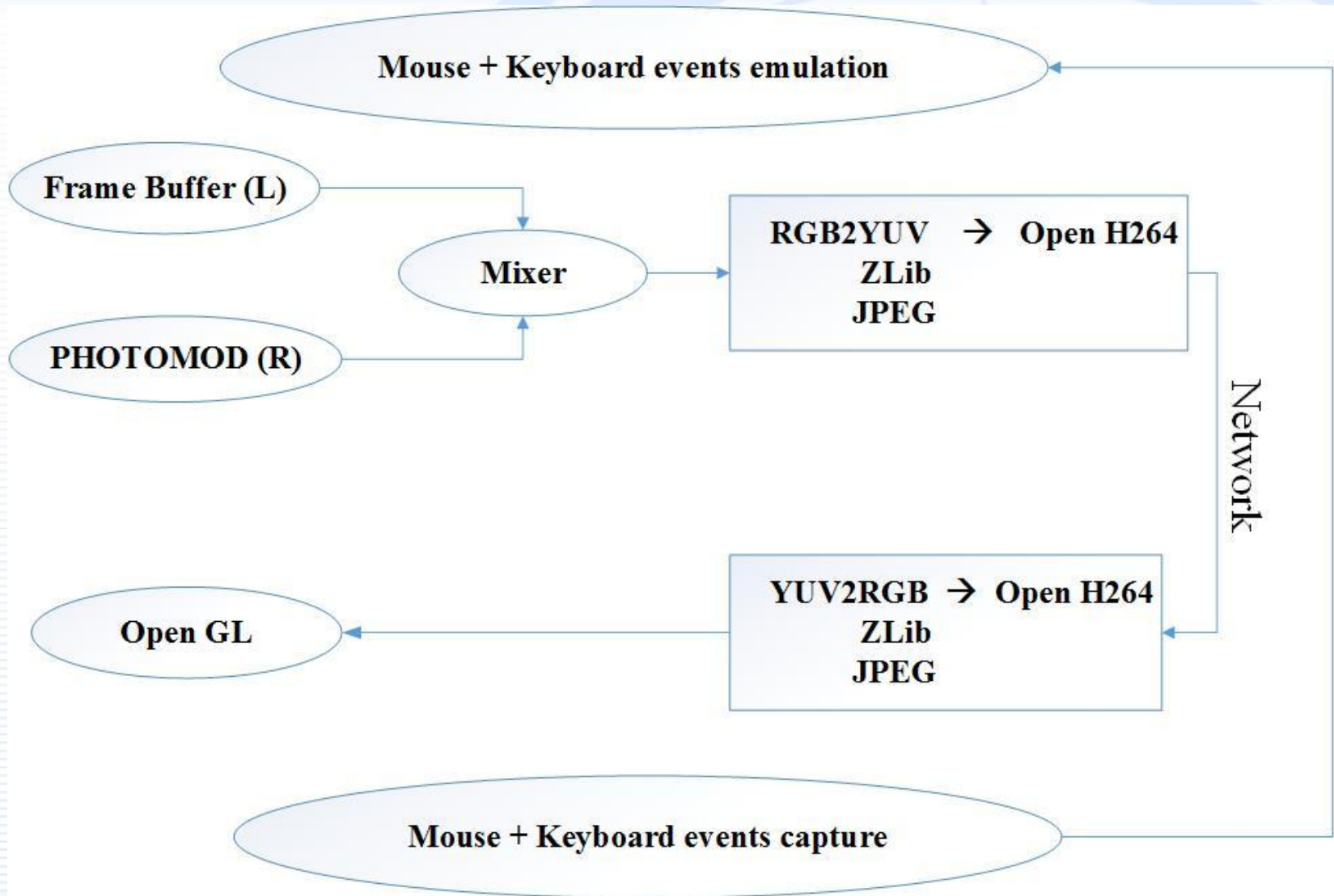


Automatic chains:

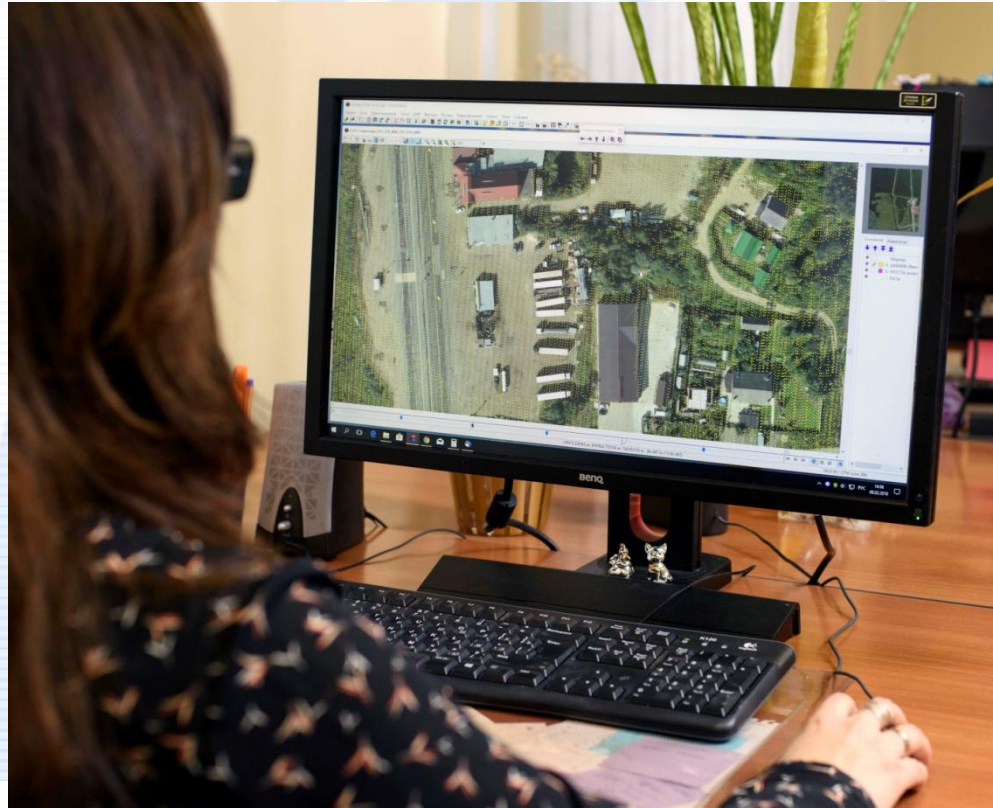
1. Setellite + DTM -> Mosaic
2. Aerial + DTM -> Mosaic
3. UAS + DTM -> Mosaic
4. Aerial -> Mosaic
5. UAS -> Mosaic
6. Universal

Web interface +
Input & Output Data +
One button to start +
Extra parameters +
Interactive PHOTOMOD as an option

Thin Stereo Client



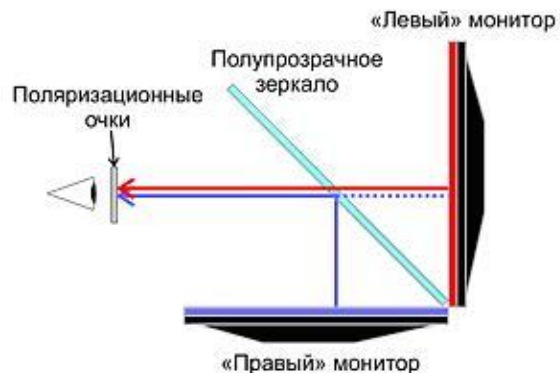
Thin Stereo Client



Thin Stereo Client



**Semi Transparent
Mirror and Polarized
Glasses**



Thin Stereo Client

VR Box from Smartphone



START

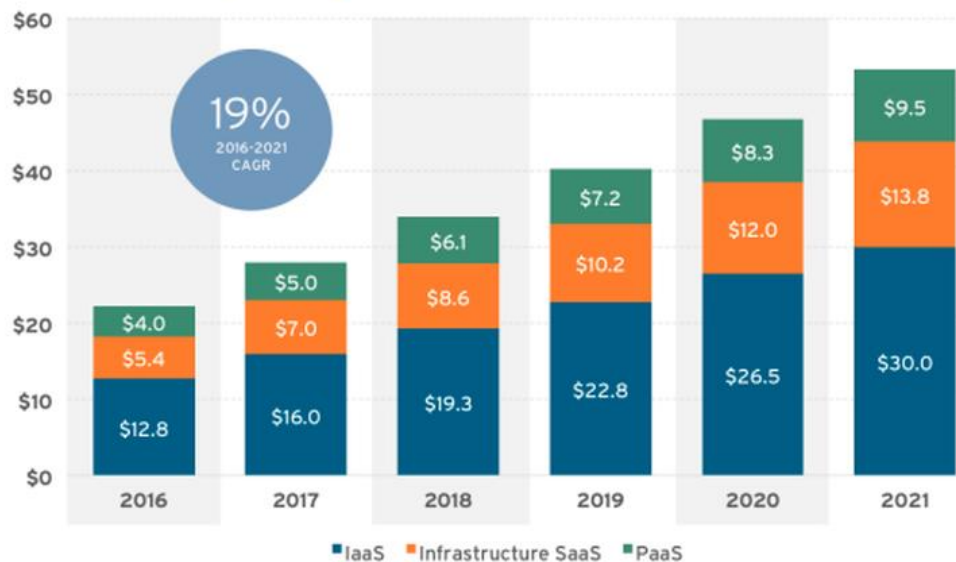


Spring 2019

Everybody invited

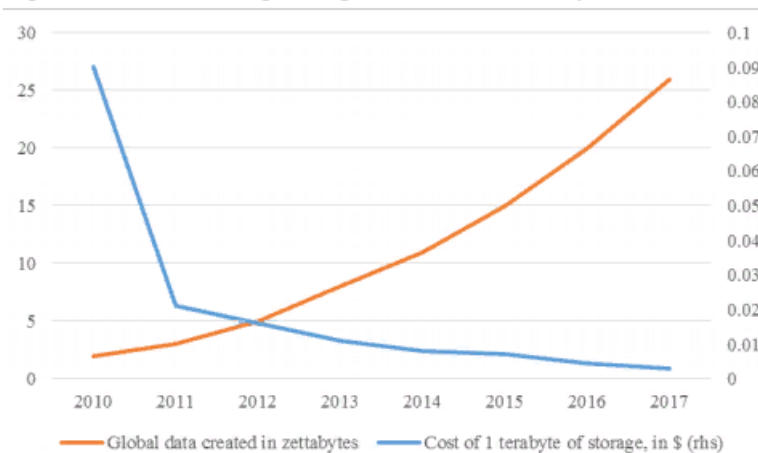
Cloud Technologies 2018

Cloud Computing 'as a Service' Revenue (\$bn)



Source: 451 Research's Market Monitor: Cloud Computing, November 2017

Figure 3: Costs of storage and global data availability, 2009-2017



Source: Reinsel, Gantz and Rydning (2017); Klein (2017). One zettabyte is equal to one billion terabytes.

Thank you for attention