

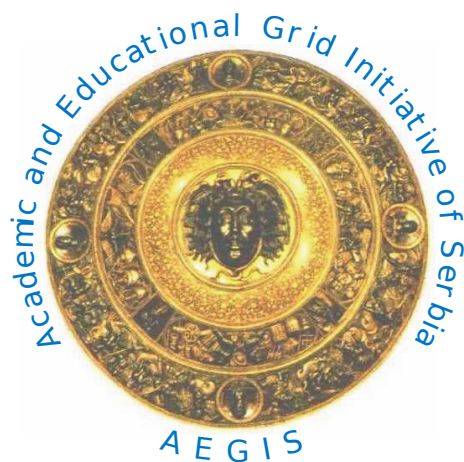


Enabling Grids for E-science

Cluster computing and Grid environment

Branimir Acković
acko@scl.rs

Scientific Computing Laboratory
Institute of Physics Belgrade, Serbia



SEE-GRID-SCI
SEE-GRID infrastructure for regional eScience



Nov. 03, 2009

www.eu-egee.org

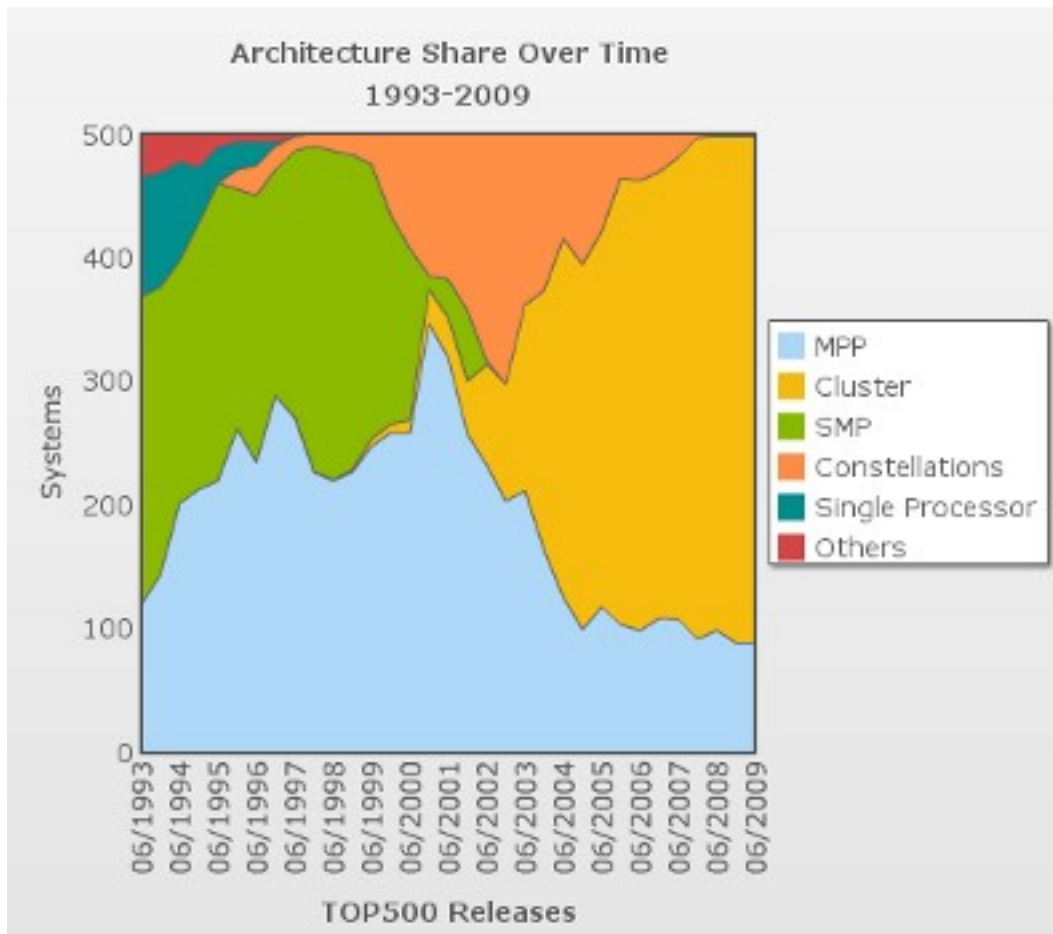


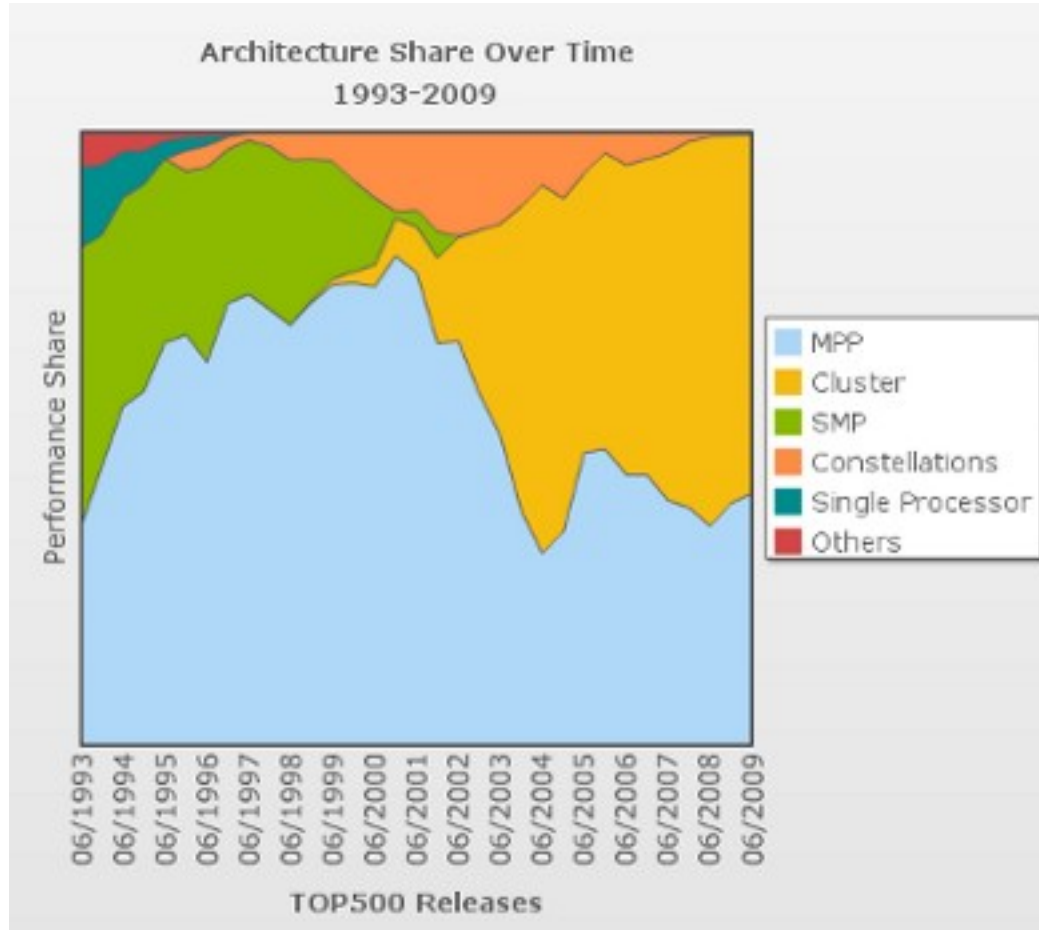
Information Society



- Trivial
text editing, Internet services, trivial calculations, programming, process monitoring...
- Extensive
numerical simulations, extensive calculations, data mining...

- Single processor
- Symmetric Multiprocessing – SMP
- Massive Parallel Processing – MPP
- Clusters





- '90 – computer grid as a metaphor to power grid
- SETI@HOME - most known grid
- EU – leader in grid computing through EGEE
- Cloud computing