WarsawTeam

Team

Preperations

Our cluster

WARSAWTEAM MEMBERS

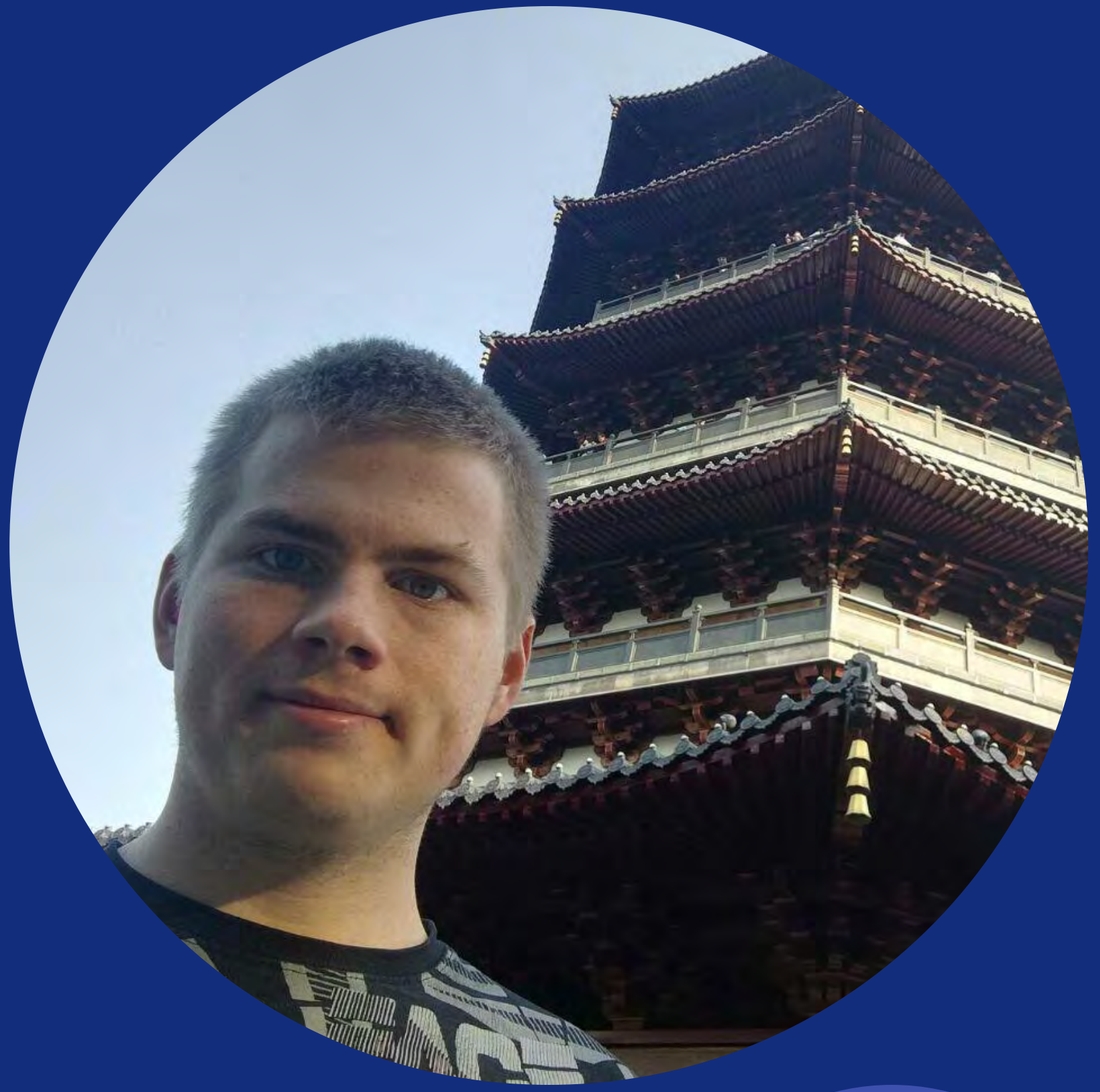
Tomasz Cheda

WARSAWTEAM MEMBERS

Aleksandra Księżny

WARSAWTEAM MEMBERS

Łukasz Kondraciuk



WARSAWTEAM MEMBERS

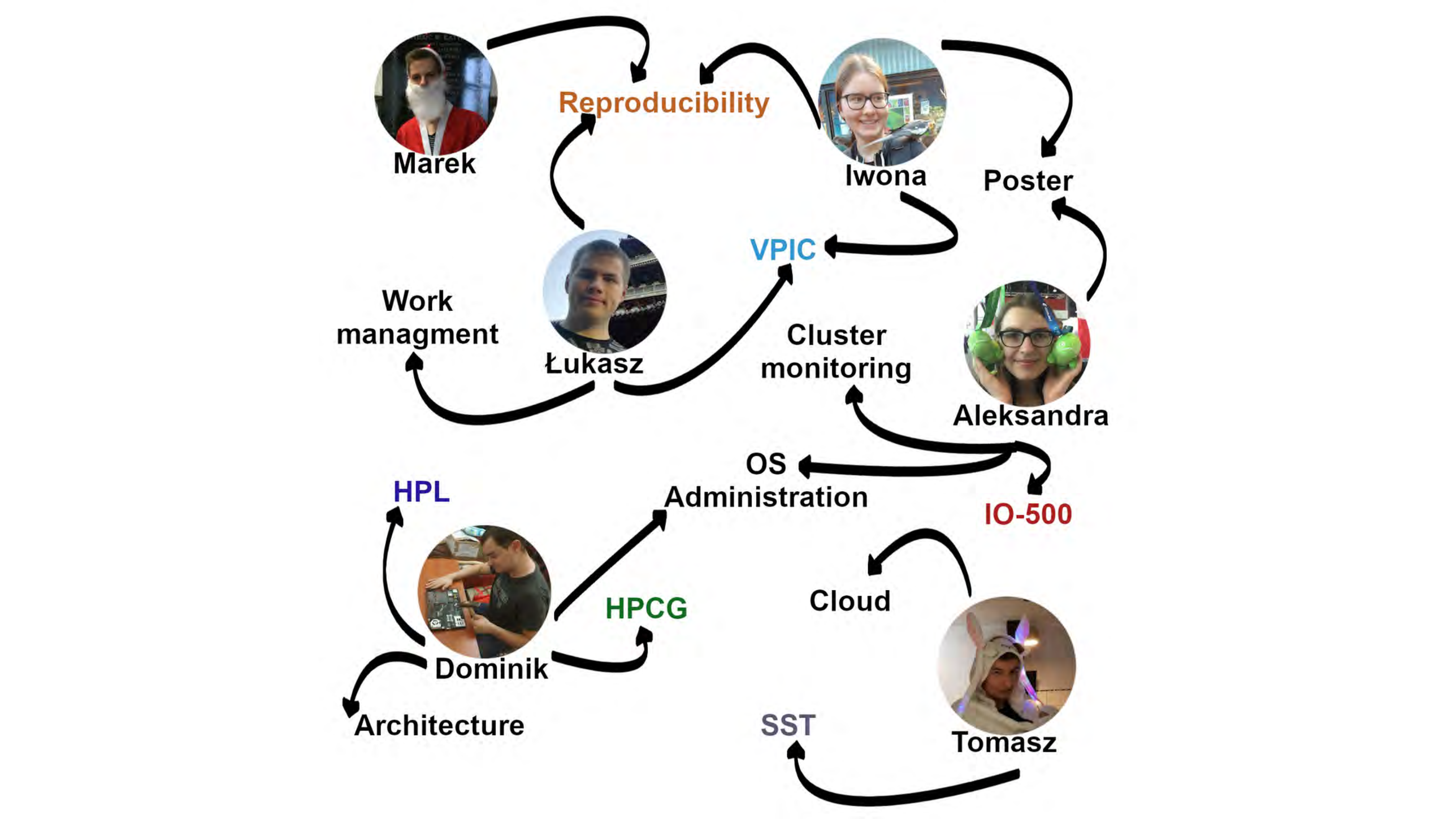
Iwona Kotlarska

WARSAWTEAM MEMBERS

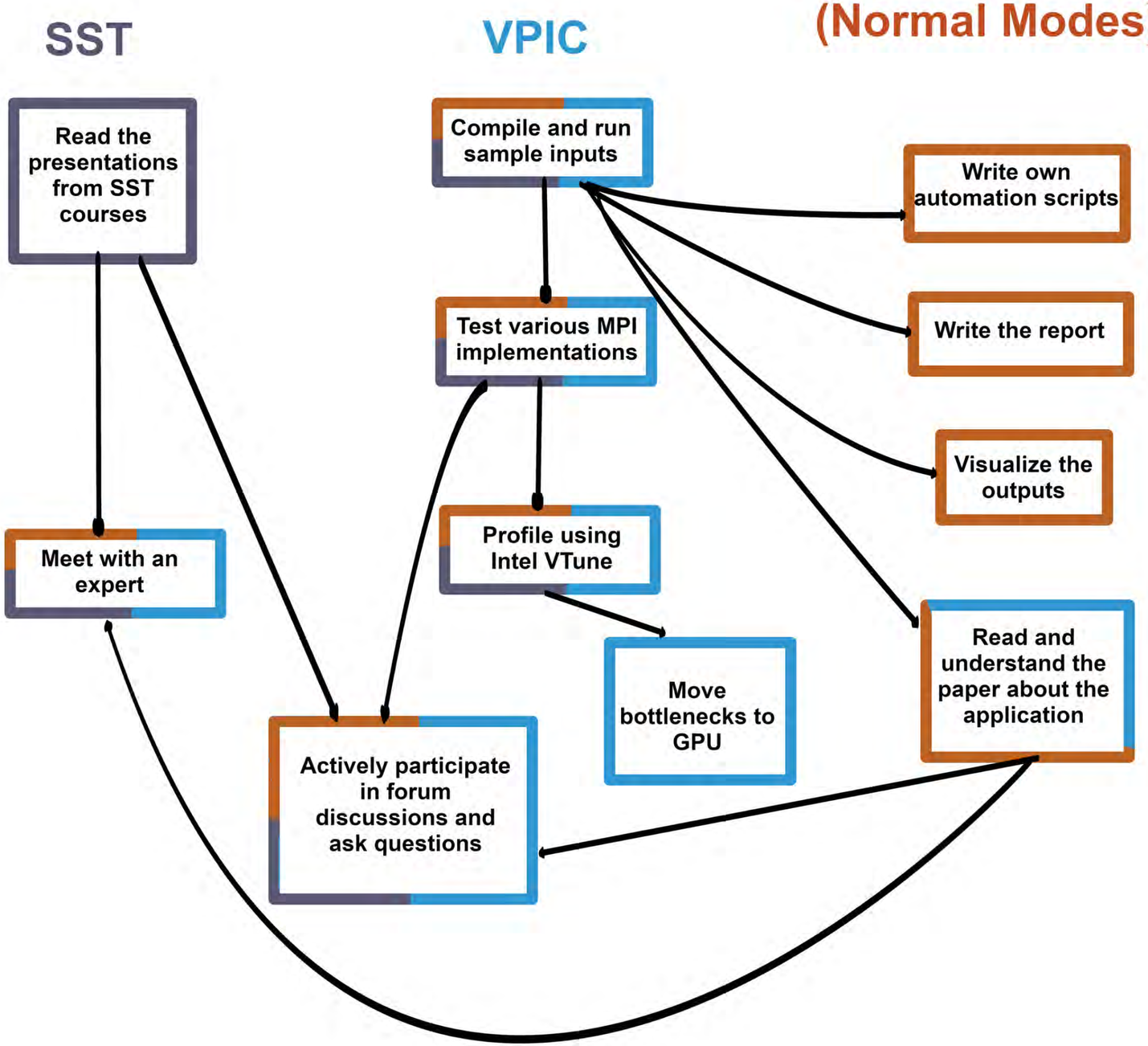
Marek Masiak

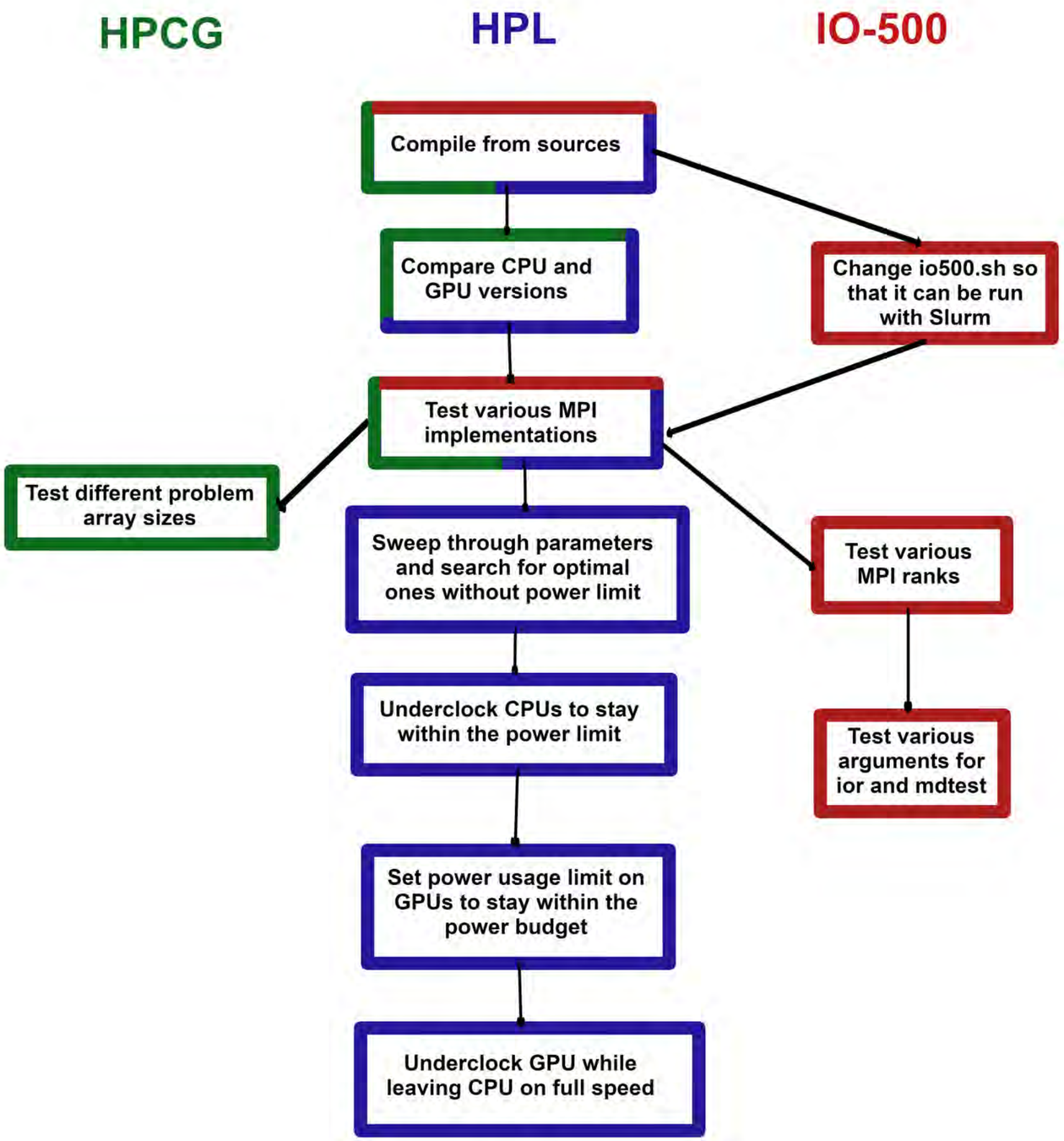
WARSAWTEAM MEMBERS

Dominik Psujek


Marek
Reproducibility
Iwona
Poster
VPIC
Work
managment
Łukasz
Cluster
monitoring
Aleksandra
OS
Administration
IO-500
HPL
HPCG
Dominik
Cloud
Architecture
SST
Tomasz

Reproducibility (Normal Modes)

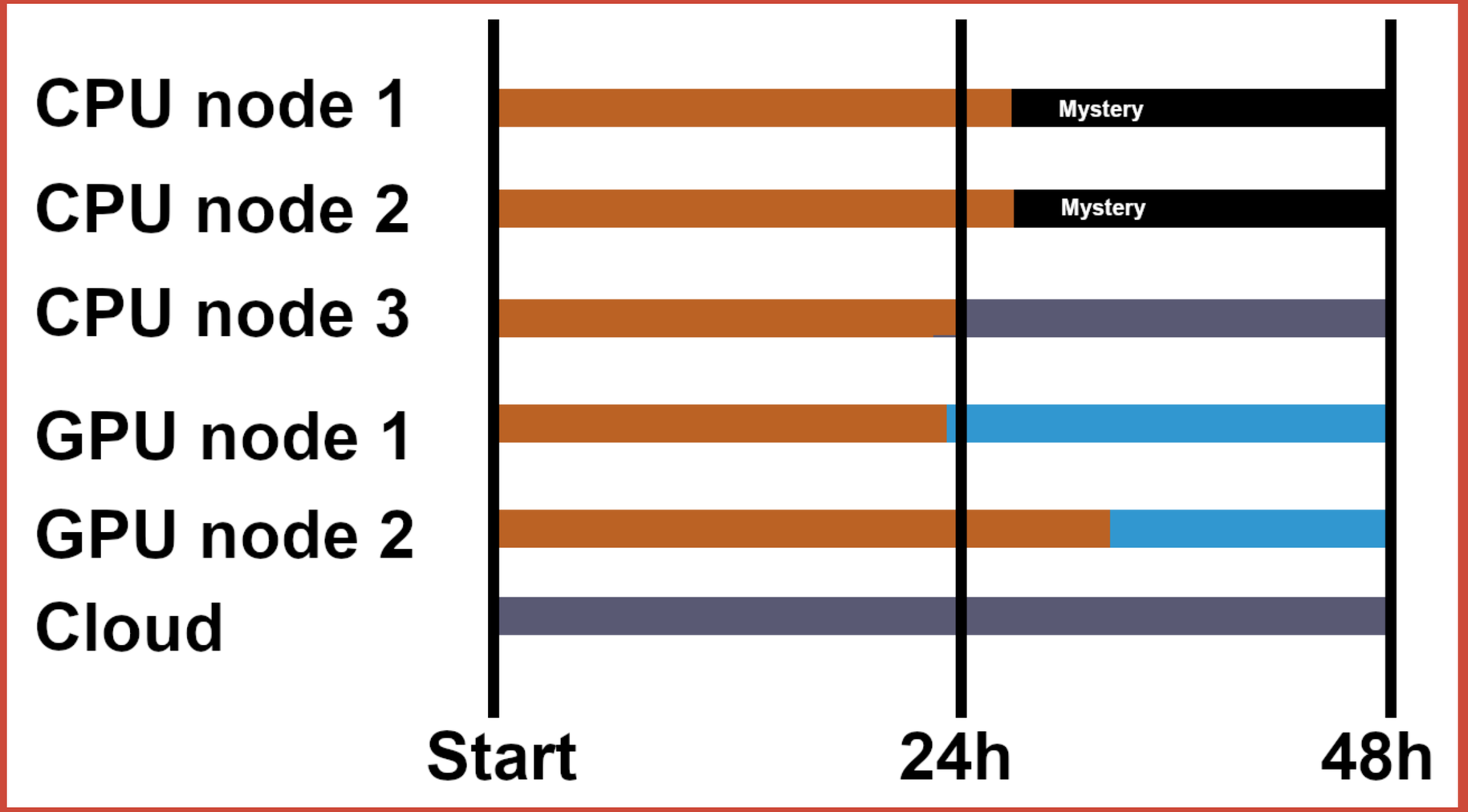



HPCG
HPL
IO-500
Compile from sources
Compare CPU and GPU versions
Change io500.sh so that it can be run with Slurm
Test various MPI implementations
Test different problem array sizes
Sweep through parameters and search for optimal ones without power limit
Test various MPI ranks
Underclock CPUs to stay within the power limit
Test various arguments for ior and mdtest
Set power usage limit on GPUs to stay within the power budget
Underclock GPU while leaving CPU on full speed

Our cluster

Gigabit Ethernet switch
36port Mellanox InfiniBand EDR 100Gb/s switch
2x Intel Xeon Gold 6230
2x Intel Xeon Gold 6230
2x Intel Xeon Gold 6230
2x Intel Xeon Gold 6230
4x NVIDIA Tesla V100 PCIe
2x Intel Xeon Gold 6230
4x NVIDIA Tesla V100 PCIe

Our strategy



And so we will win!