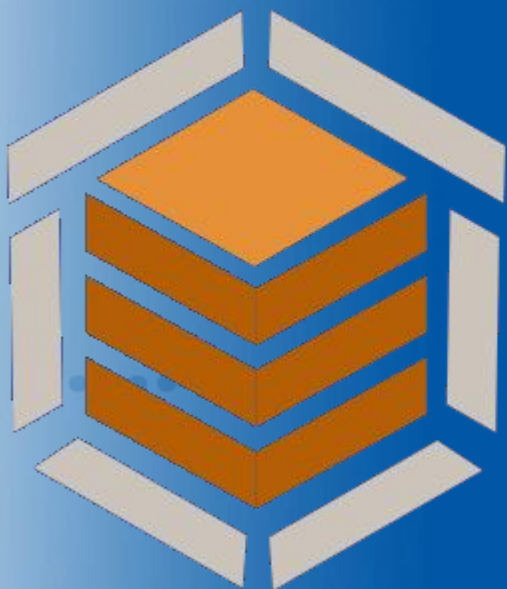




Grid y Computación  
de Altas Prestaciones

**GRyCAP**



# EKaas

Elastic Kubernetes as a Service



UNIVERSITAT  
POLITÈCNICA  
DE VALÈNCIA



# WHAT IS EKAAS?

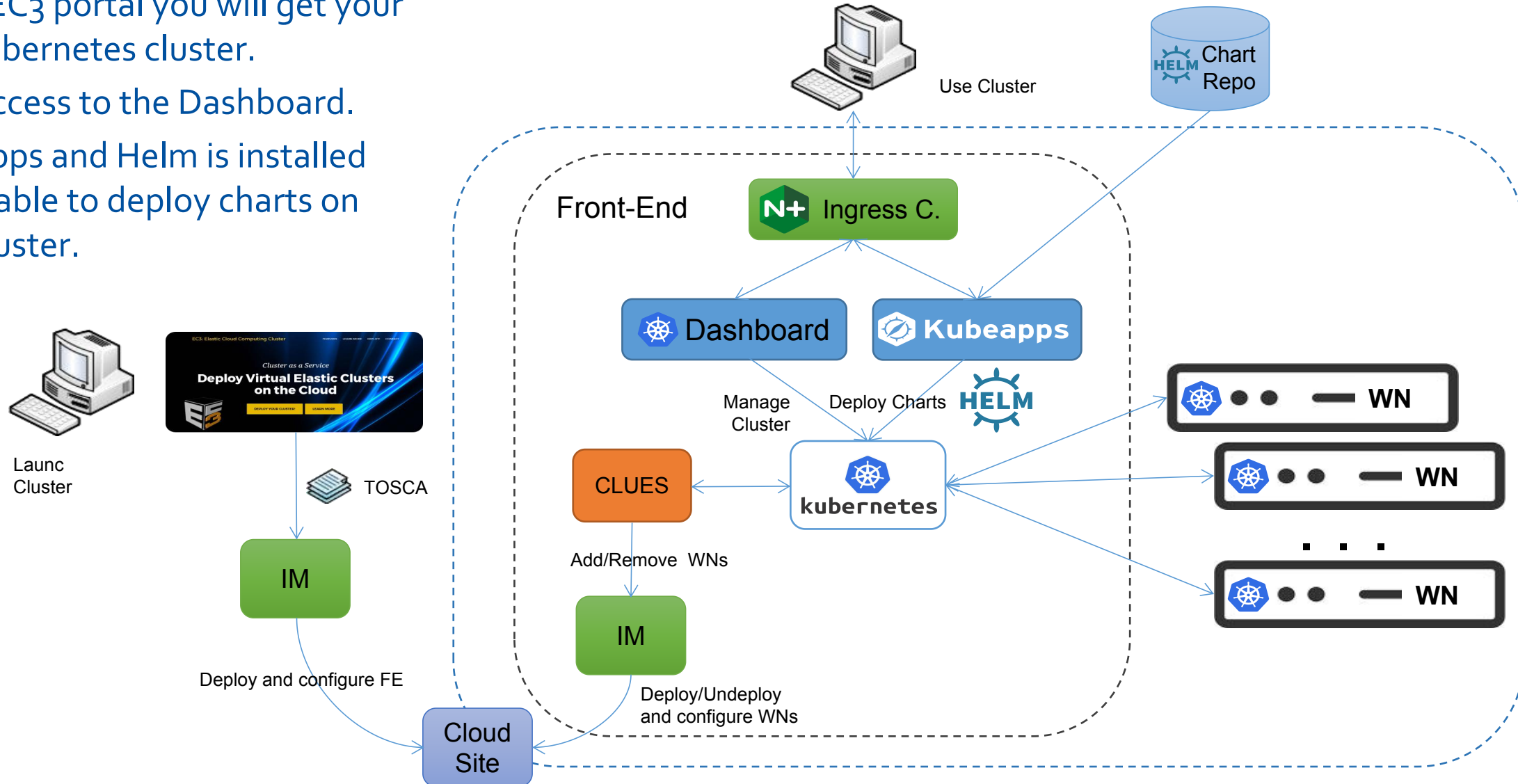


- EKaaS is a service to deploy self-managed and customised Kubernetes clusters as a service with additional capabilities to support specific hardware backends in EGI Cloud Compute resources.
- Is based on the EC<sub>3</sub> (Elastic Cloud Computing Cluster) AoD instance.
  - It only requires the EGI Check-in account (and [vo.access.egi.eu](http://vo.access.egi.eu) VO) to access to the service.
  - The user is guided step by step in the deployment process.

# EKAAS ARCHITECTURE



- Using EC3 portal you will get your own kubernetes cluster.
- With access to the Dashboard.
- Kubeapps and Helm is installed and enable to deploy charts on your cluster.





- EC3 AoD portal:  
<https://servproject.i3m.upv.es/ec3-ltos>
- EC3 AoD portal in EOSC Portal:  
<https://marketplace.eosc-portal.eu/services/elastic-cloud-compute-cluster-ec3>
- EC3 Client Source Code in GitHub:  
<https://github.com/grycap/ec3>
- EC3 Client image in Docker Hub:  
<https://hub.docker.com/r/grycap/ec3/>
- AoD Portal:  
<https://marketplace.egi.eu/42-applications-on-demand-beta>  
<https://wiki.egi.eu/wiki/AoD>





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