

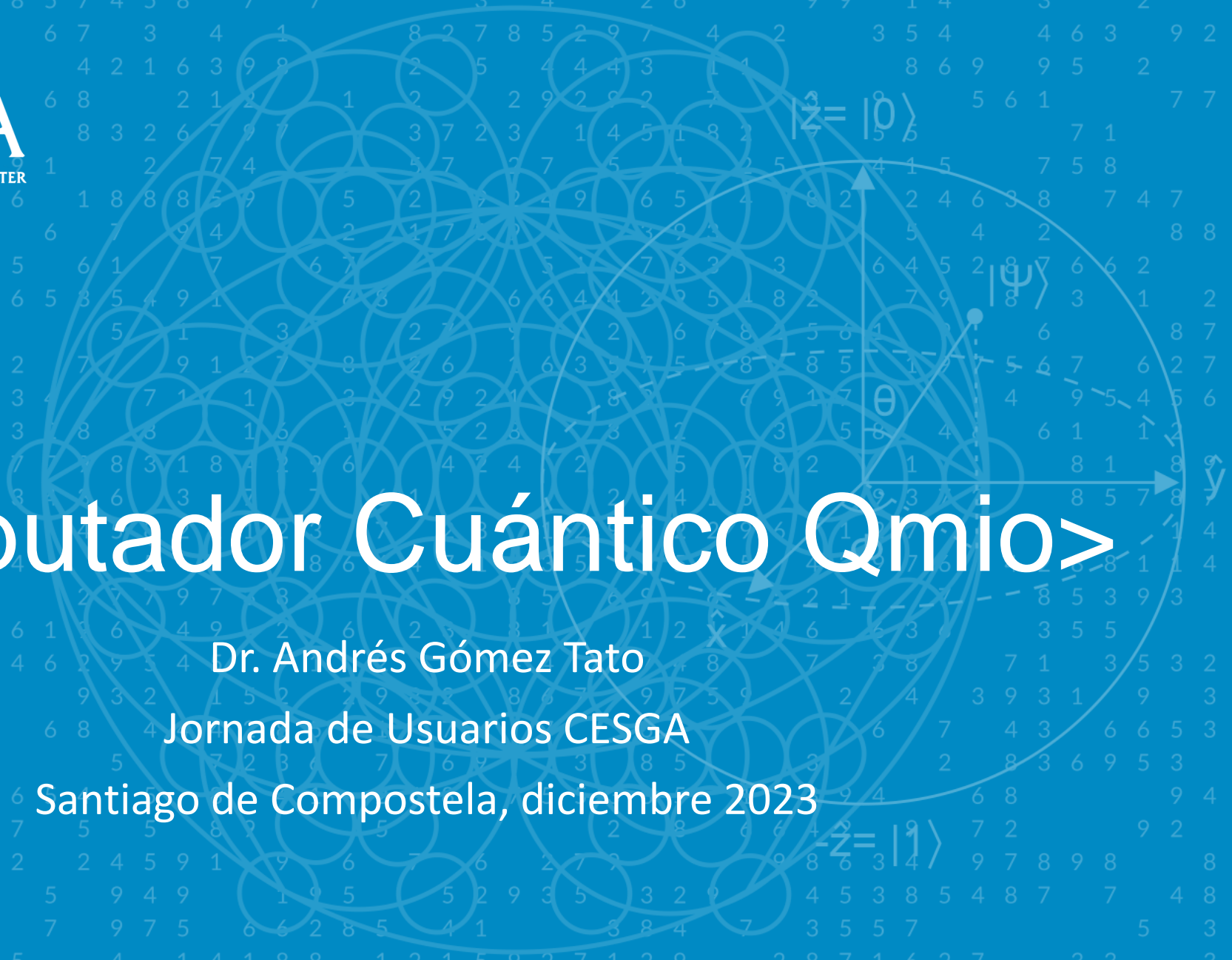


Computador Cuántico Qmío>

Dr. Andrés Gómez Tato

Jornada de Usuarios CESGA

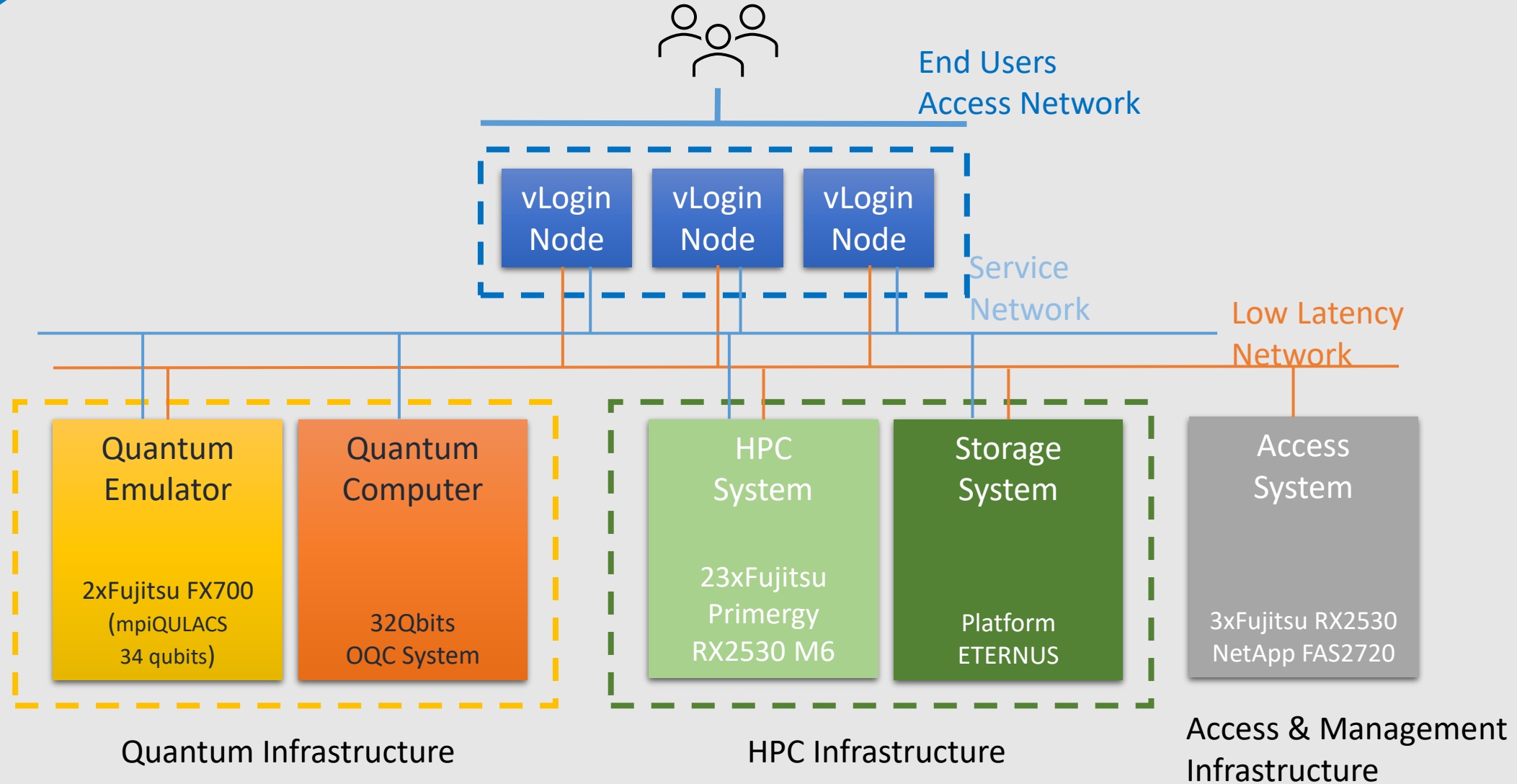
Santiago de Compostela, diciembre 2023

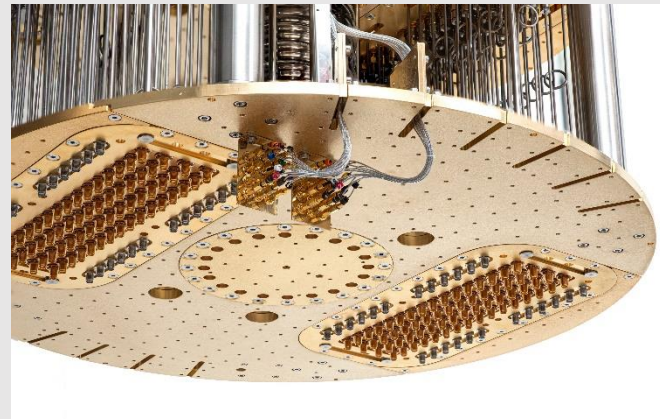
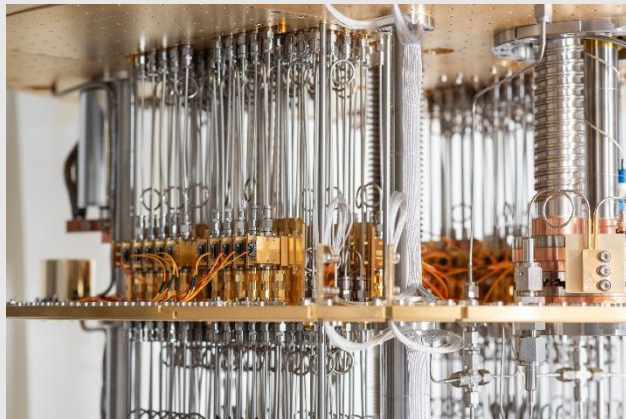
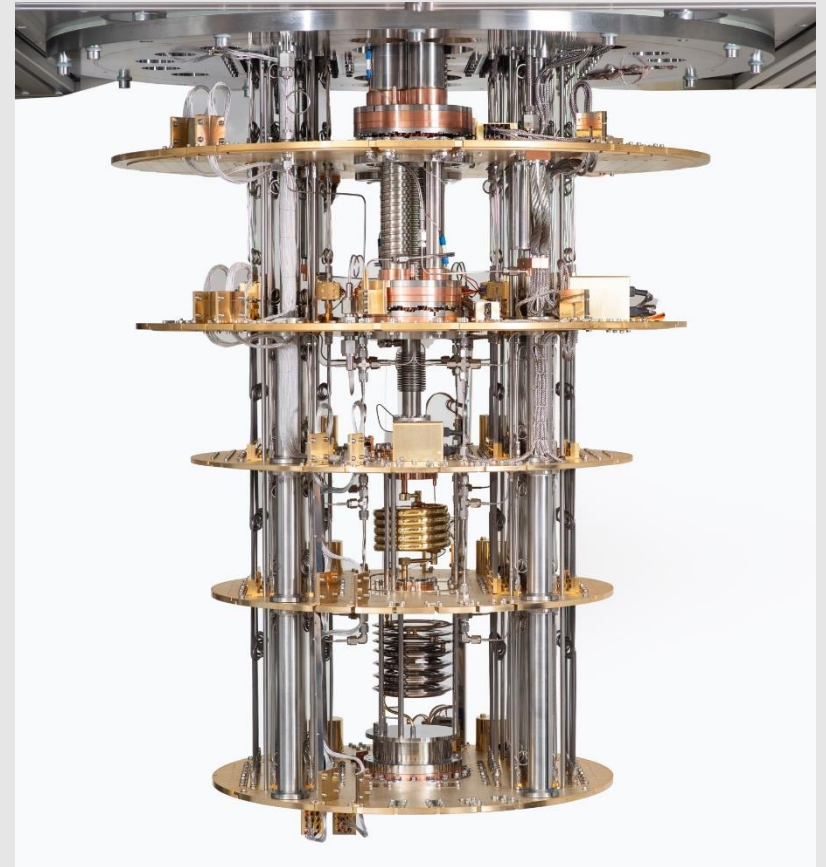
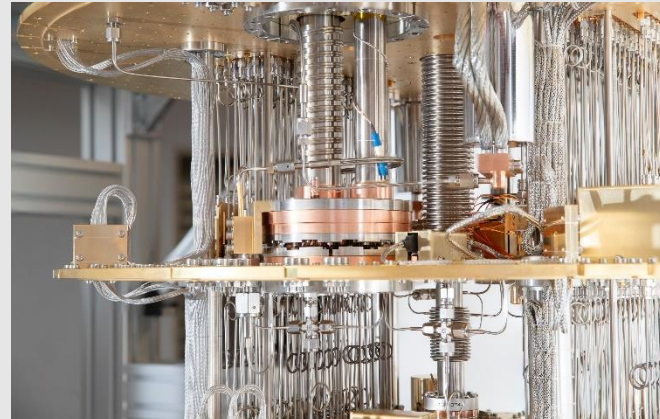
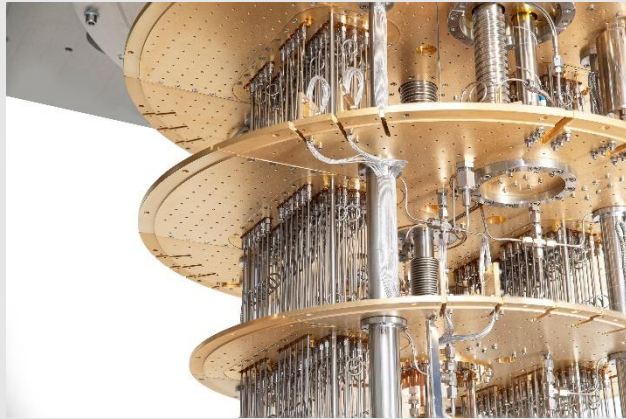


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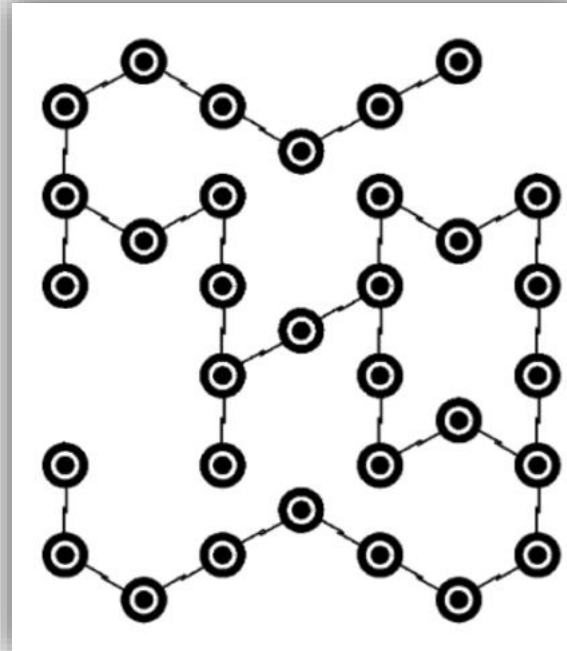


- *The other*



Some technical details:

→ 32Q. Topology



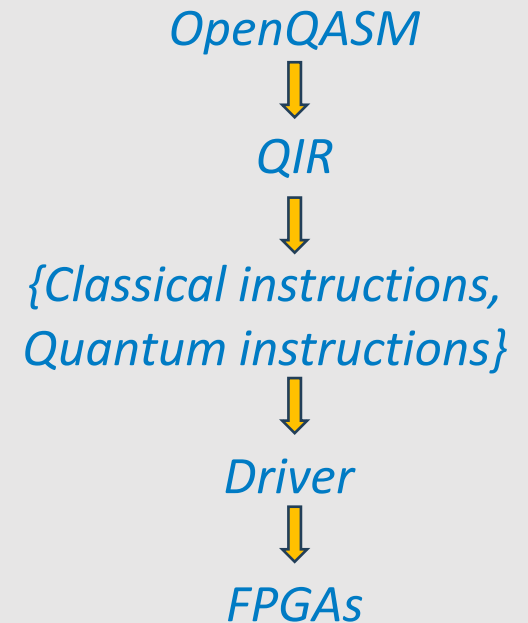
→ Native Gates:

- ❑ 1Q: $Z(\theta)$, $X(\frac{\pi}{2})$
- ❑ 2Q: $ZX(\pi/4)$
- ❑ Measure
- ❑ Reset

→ Supported languages:

- OpenQASMv2
- QIR
- OpenPulse

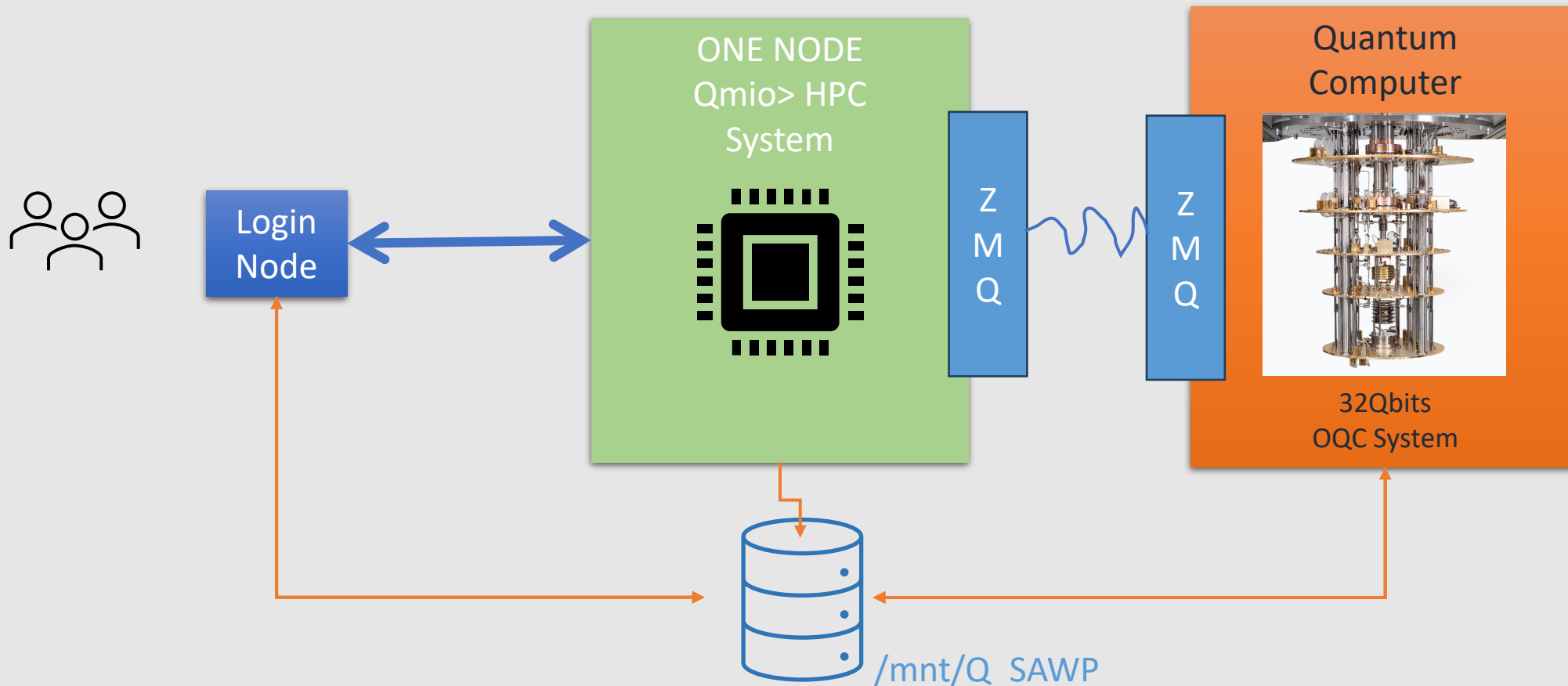
OpenQASMv2 U and CX are executed directly if not need transformation. Others need compilation:



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CESGA-QC Integration. Work in progress





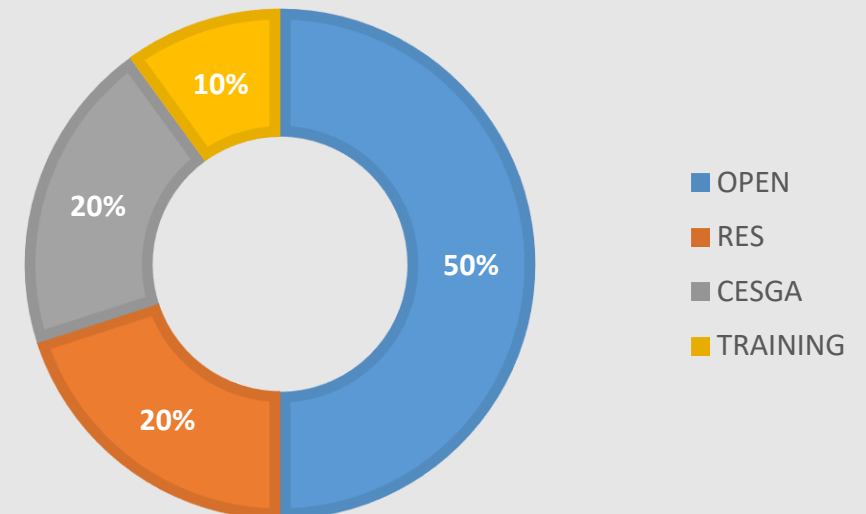
Fondos Europeos

PLAN DE UTILIZACIÓN, GESTIÓN Y PROTOCOLO DE ACCESO A LA INFRAESTRUCTURA CUÁNTICA DEL CESGA

Fecha:	30 de octubre de 2023
Versión	1.04
Elaborado por:	CESGA
Aprobado por:	Patronato del CESGA de 26 de octubre de 2023



PERCENTAGE OF USE BY ACCESS TYPE



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**DESPREGAMENTO DUNHA INFRAESTRUTURA BASEADA
EN TECNOLOXÍAS CUÁNTICAS DA INFORMACIÓN QUE
PERMITA IMPULSAR A I+D+i en GALICIA**

Apoiar a transición cara a unha economía dixital

**Operación financiada pola Unión Europea, a través do
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Thanks!
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