

Our role in quantum compu'ng:



Support access and use of quantum simulators as well as physical quantum computers (future)

Understand the required exper! se and tools to 'transform' regular applica! ons into quantum applica! ons

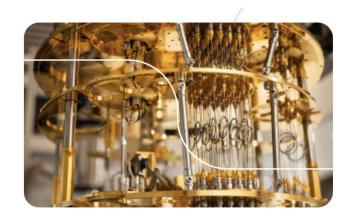
S mulate and support the development of quantum applica! ons Understand the applicability for scien! % applica! ons

Support Dutch research to take early and compe!! ve advantage of Quantum compu! ng

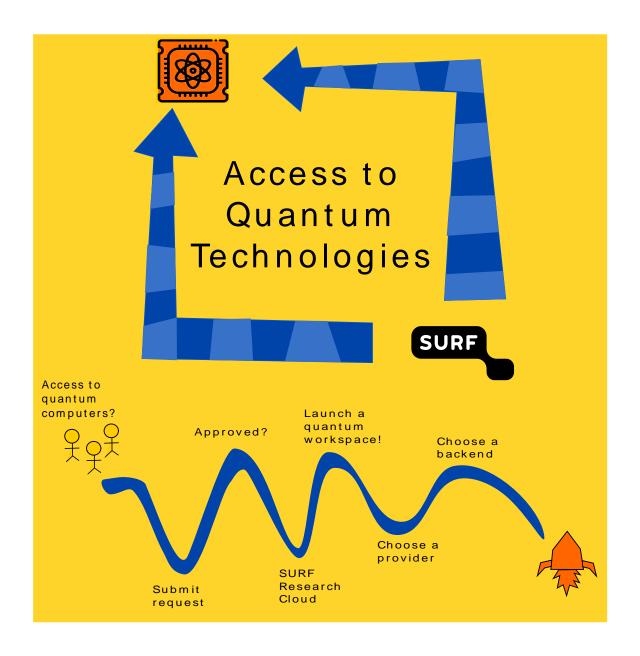
Access to quantum technologies

Get access to quantum!

Are we at the beginning of the quantum era? At SURF we think so! Are you a researcher or student and interested in quantum computing? We invite you to join us in further discovering what quantum computing can do. Apply for credits in this pilot phase of 'Access to Quantum Technologies', and run your experiments on real hardware!

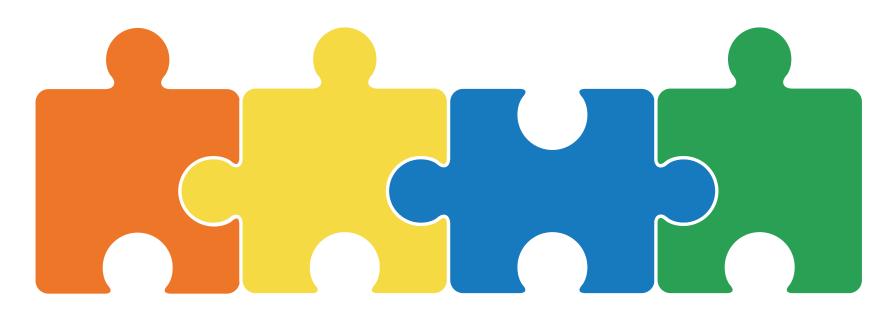








SURF's role in quantum communication / internet



Support Dutch researchers by ensuring that our members can be quantum safe Develop understanding of use cases for scientific applications

Gain experience integrating quantum technologies

Support research on quantum internet architectures



Quantum Internet Alliance

Quantum internet use cases

- Work package leader
- Will explore use cases together with academic partners
- User engagement to understand needs





QCINed (part of EuroQCI)

- Work package leader
- Preparing deployment of development network in Utrecht
- Defining QKD service
- Developing tools and workflows for the integration of QKD hardware
- Engaging with vendors about feature development

