



# Quantum FutureX

GOING TOGETHER TOWARDS QUANTUM FUTURES



# Hacking with Quantum: From education to inspiration

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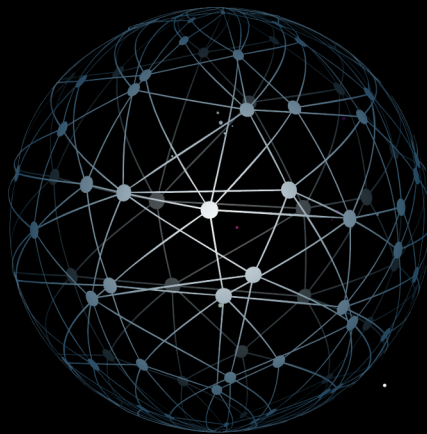
Citizen knowledge  
Quantum Excellence Mindsets  
An Interdisciplinary Community

University of Geneva - Quantum FutureX  
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[www.quantumfuturex.ch](http://www.quantumfuturex.ch)

# WWW @ CERN

30 years ago,

The World Wide Web WWW was  
invented by British scientist  
**Sir Tim Berners-Lee** in 1989  
while working at CERN



But what does our FUTURE look like  
30 years from now?

# The Challenges

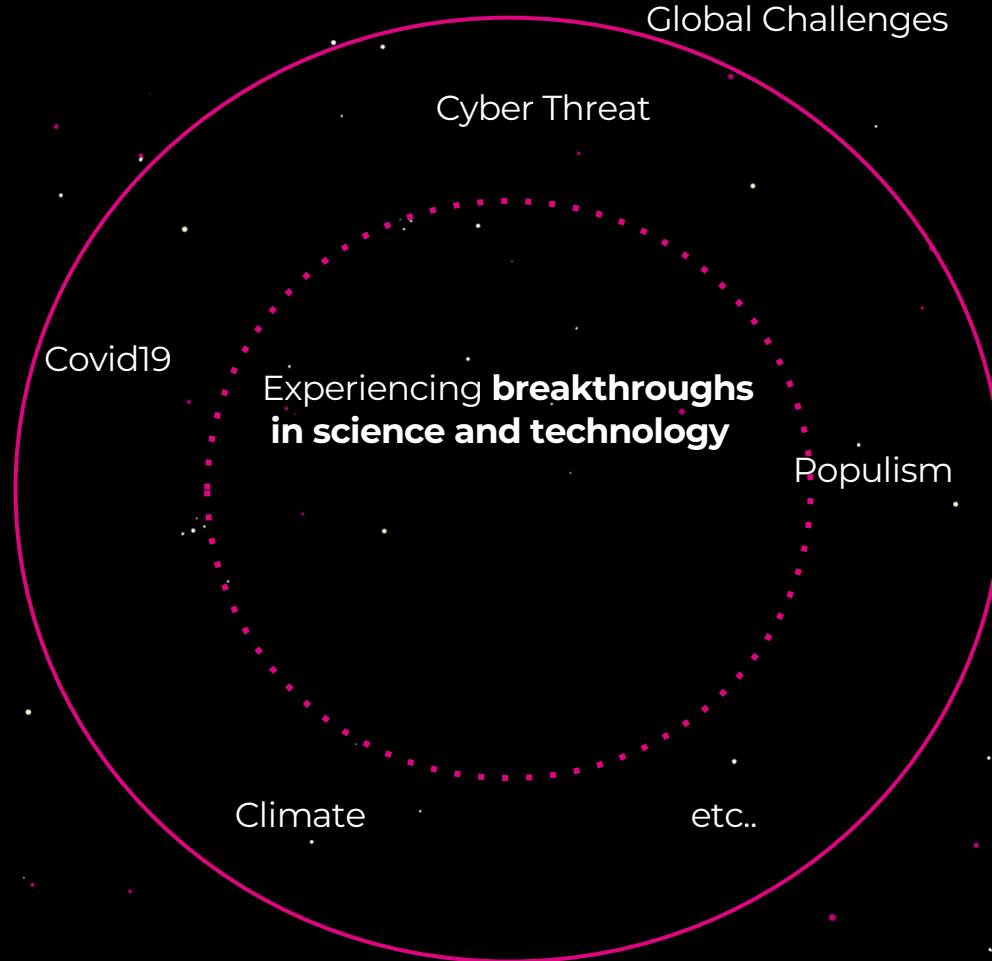
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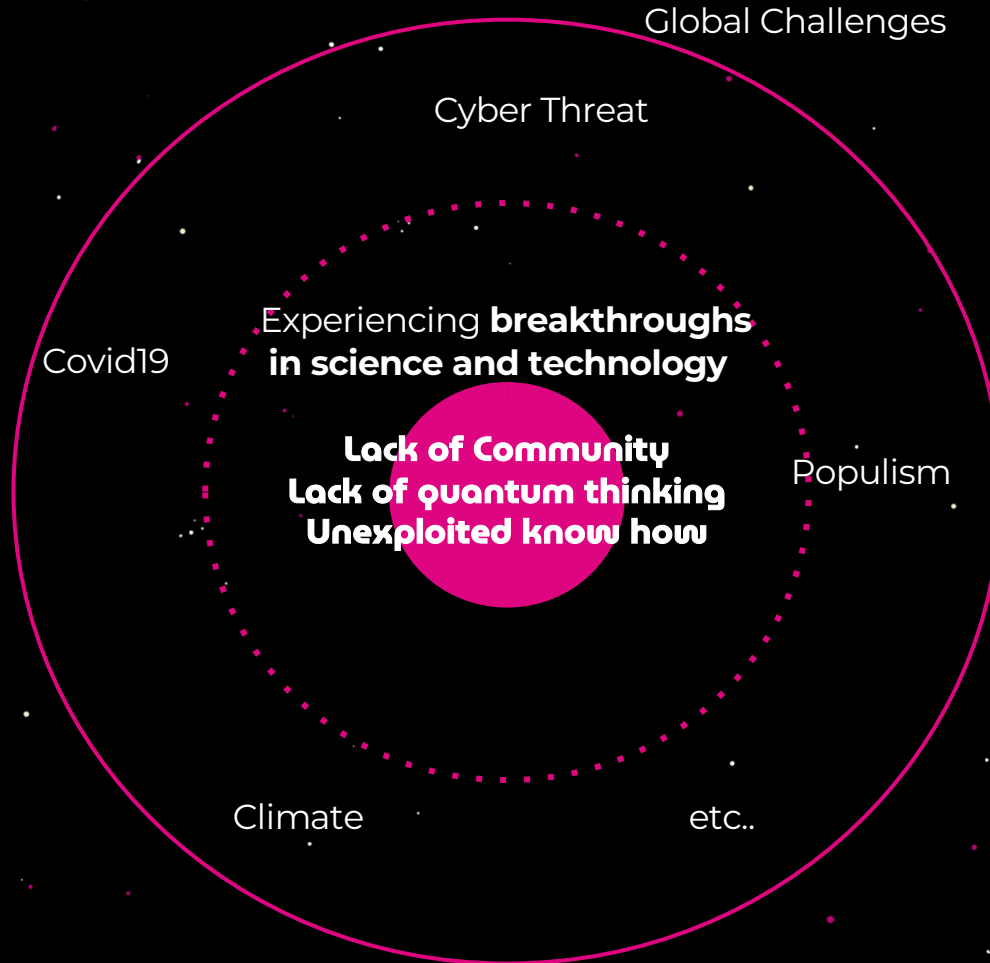
# The Challenges

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# The Challenges

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# The **Real** Challenges

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Particle physics is very intuitive, it is something that we see everyday.. An apple falls from a tree and we orbit the sun but quantum mechanics is very different.. it is something that we do not see on a daily basis so we do not have intuition on it...

Xie Chen  
Professor of theoretical physics  
Caltech (California Institute of Technology)

# The Vision

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- Radically inclusive education and innovation are at the heart of bringing forward real world applications that will have a meaningful impact on our lives.

Enable and supercharge a quantum ecosystem, worldwide, that is able to respond to future imposed challenges (e.g. Covid-19) and create opportunities for growth.

By

Civic society

Policy makers

Society

How? We bring anthropologist as a key team member so if a computer scientist is doing DNA analysis we make sure that he is doing it secure by design for the sake of privacy and data cheating threads.

Scientific community

Industry Experts



Challenges

# The Mission

# When?

Inspire

Lead

Foal

2021

2022

2023

2024

2025

2026

2029

2030

2031

# Unique Setup

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QFX

7 years of experience in  
interdisciplinarity - cern  
ideasquare

International Neutral  
platform (ITU, CERN, UN)

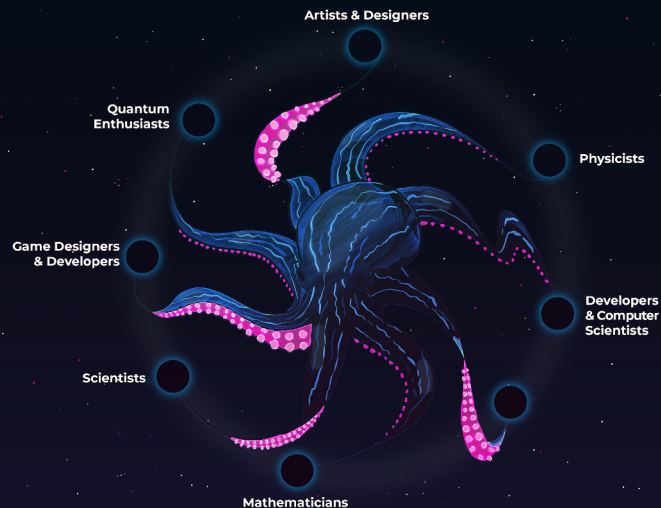
Benefiting from a well established  
foundation/framework to setup  
big collaboration



# THE QUANTUM FUTURES H A C K A T H O N

October 18-20, 2019 at IdeaSquare, CERN

A unique opportunity to be mentored by top scientists & industry experts to learn more about quantum technologies. The hackathon will offer participants the chance to delve further into inspiring challenges and apply their skills across disciplines in collaborative teams.



Limited spots for 10 teams, apply now at:  
<https://indico.cern.ch/e/qfh2019>  
Interested in nominating someone to attend?  
Email: [quantum.futures@cern.ch](mailto:quantum.futures@cern.ch)



# 15 Countries - 600+ participants



30 % Female



70 % Male

Switzerland

UK

Armenia

France

Spain

Germany

USA

Netherland

Danmark

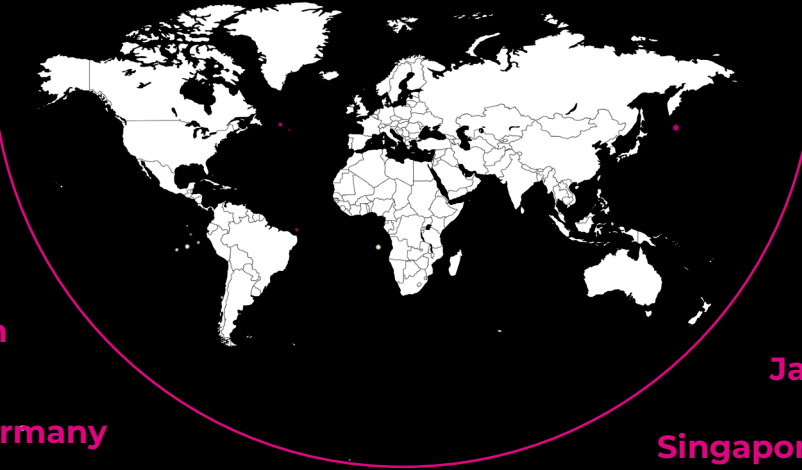
Singapore

Japan

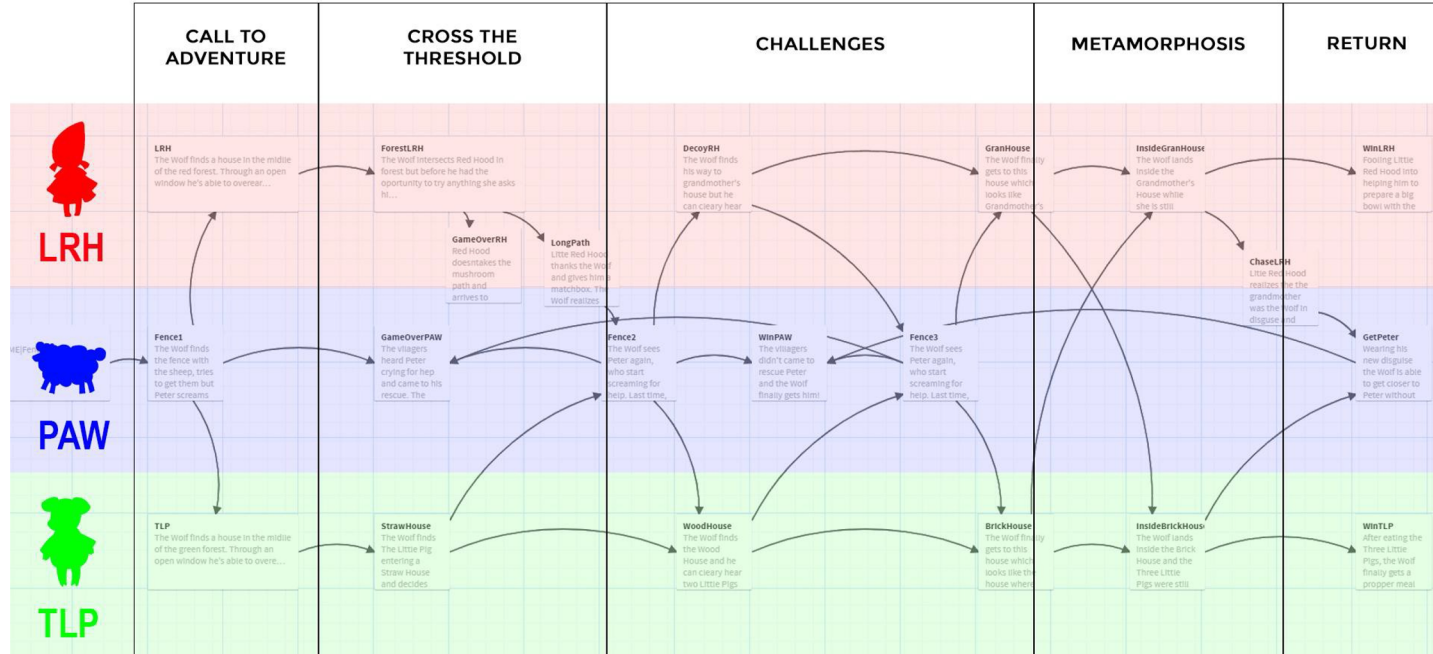
Sweden

Canada

Portugal



# NARRATIVE STRUCTURE



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## VISUAL COMMUNICATION



Characters

Little Red

Wolf

Grandma

Little pig



Villager

Peter

Sheep

OUR TEAM

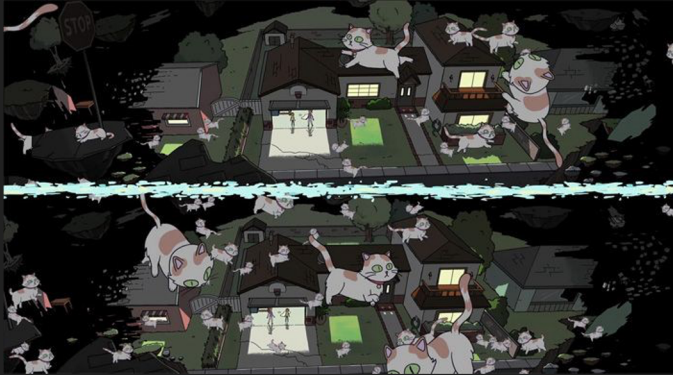


# Project: qbp

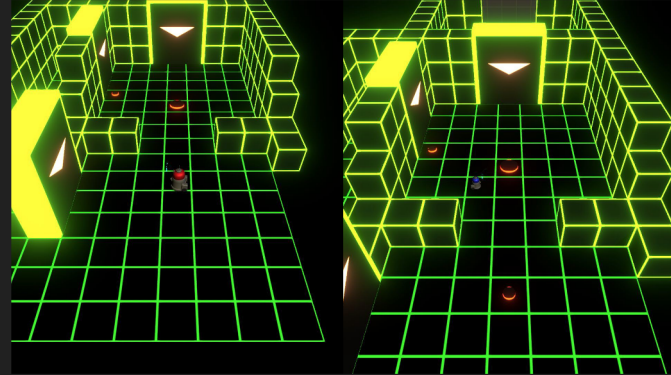
Quantum  
Technologies

Superposition

Serious video game

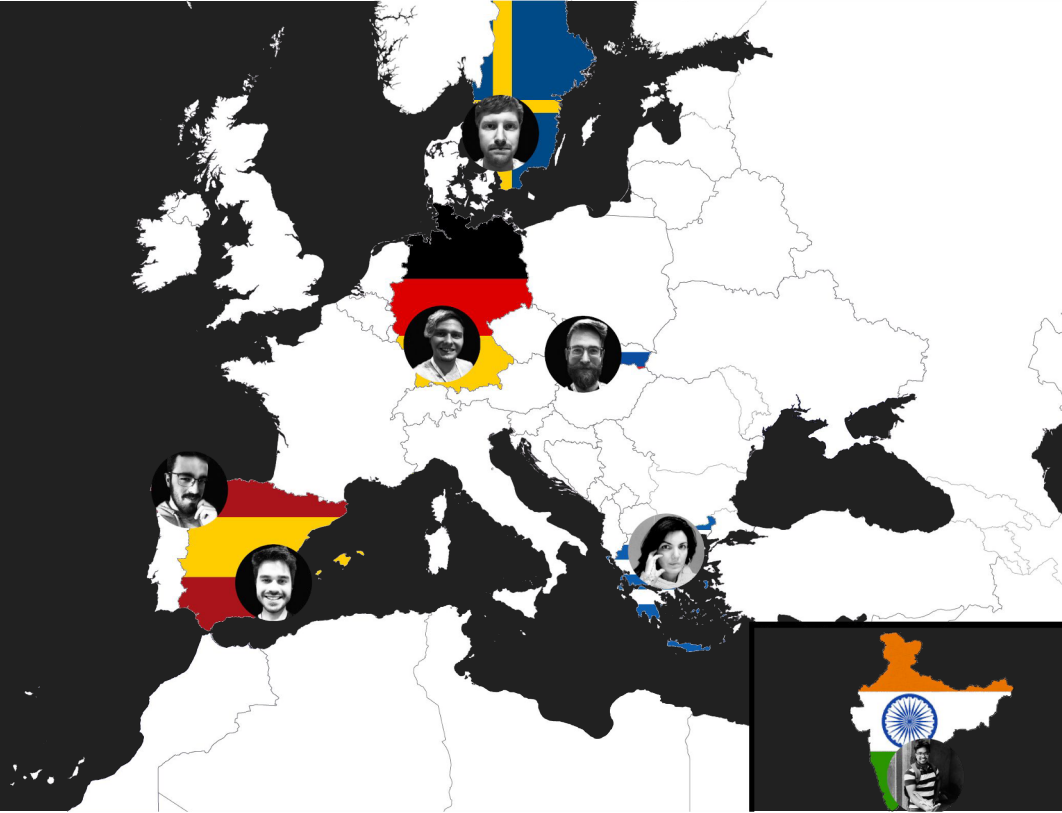


Rick and Morty - Adult Swim | Season 02 Episode 01:  
*A Rickle in Time* (2015)

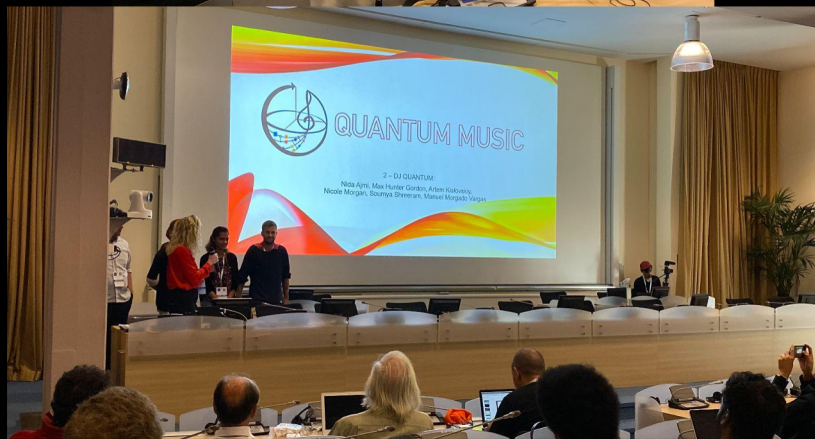


Project: qbp in-game screenshot

# Quantum Puzzlers!









# C hallenge B ased L earning

**Artist**  
Amba  
Sayal-Bennett



**Mathematician**  
Amber Borowiec



**Software Developer**  
Marc Gäsler



**Physicist**  
Kwok Ho Wan



**Theoretical Physicist**  
Evita Gamber



**Designer**  
Charlotte Qin

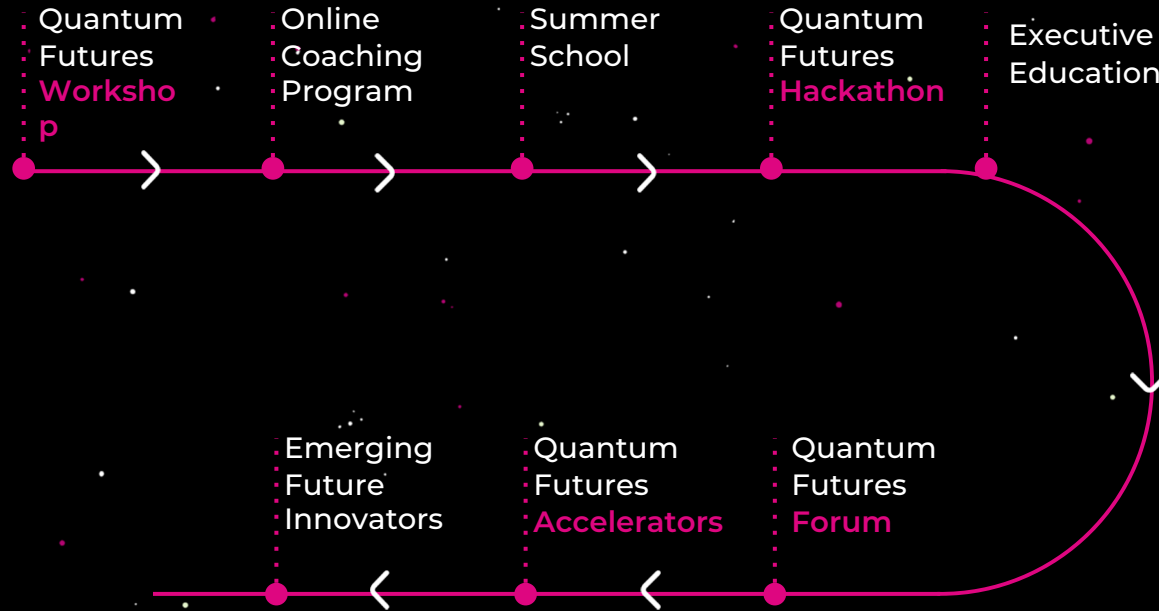








# Future Plans & Activities





# Quantum FutureX

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Can we collaborate?

Contact us: [oday@quantumfuturex.ch](mailto:oday@quantumfuturex.ch)