



New technologies based on quantum physics promise many advantages: extremely fast computers, secure communications, targeted cancer therapies, autonomous cars, more effective climate protection. Governments are investing billions in research and development, companies are hoping for economic growth.

But can these visions be realised? Or will scientists encounter insurmountable technical and physical barriers? And what are our hopes and desires, both as individuals and as a society?

## Policy Positions

### 1 - Rapid quantum tech expansion, minimum regulation

Promote rapid expansion of quantum technologies, with the minimum of regulation, to ensure its benefits are realised as quickly as possible.

### 2 - Proceed with quantum science, but regulate

Allow scientific research and development in quantum technologies to proceed, setting new national and international regulations alongside the potential developments which emerge.

### 3 - Regulated quantum science with public dialogue

As position 2, but now opening public dialogue on the directions of quantum research and applications.

### 4 - No quantum science unless specifically and publicly agreed

Allow only the quantum research and applications whose specific goals have been through an ongoing, widespread national and international public debate and dialogue.

## Guidelines

### You have a right to a voice

*Speak your truth. but don't go on and on.*

### Value your life learning

*Respect other people.*

*Allow them to finish before you speak.*

### Delight in diversity

*Welcome surprise or confusion as a sign that you've let in new thoughts or feelings.*

### Look for common ground

*'But' emphasises difference; 'and' emphasises similarity.*

## Story Card

## Info Card

## Info Card

## Initial Thoughts

Write down your initial thoughts, use White cards to add issues

## Issue Card

## Issue Card

## Challenge Card

## Three Stages

### 1. Information

*Clarify your personal view on the subject, reading and selecting the cards which you feel are most important for you.*

*Place your cards on the placemat and then read them aloud to the other players.*

**± 30 min**

### 2. Discussion

*Together with the other players, start discussing. Everyone gets a chance to speak.*

*Use your cards to provide arguments. As a group, identify one or more larger themes that you all feel relevant.*

**± 30 min**

### 3. Shared Group Response

*As a group, go back to the proposed positions. Can you reach a positive consensus?*

*You can formulate a new common policy if you wish.*

*All vote individually on each position.*

**± 20 min**

## Quanten(t)räume Project

This PlayDecide game was developed in the scope of the BMFTR funded project Quanten(t)räume (Quantum dreams).

The focus of the project is to further knowledge of quantum technologies, and initiate a public discussion regarding potential applications.

*Coordinator: Deutsches Museum  
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