



QUANTUM  
FLAGSHIP

# Governance

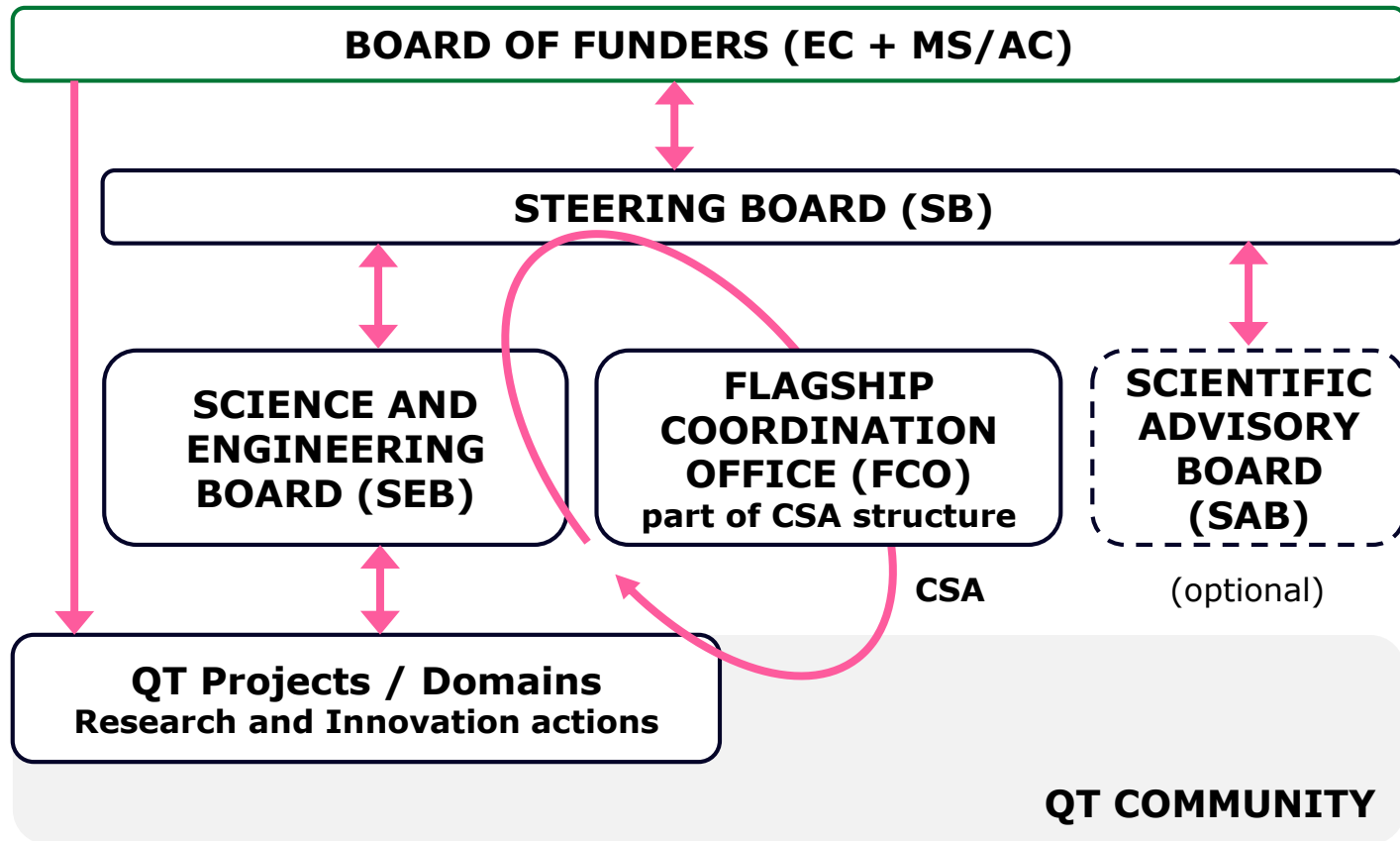
**FET Flagship Board of Funders**

13 June 2018, Brussels

**Dr. Gustav Kalbe**

Head of Unit CNECT.C2

# QT-HLSC Governance proposal



# QT Flagship Governance

*Intelligence gathering*

*Decision making*

*Implementation*

*Advice*

**Stakeholders  
(QT community)**

**QUANTUM  
COMMUNITY  
NETWORK**

**BOARD OF  
FUNDERS**

**EUROPEAN  
COMMISSION**

**SCIENCE AND  
ENGINEERING  
BOARD**

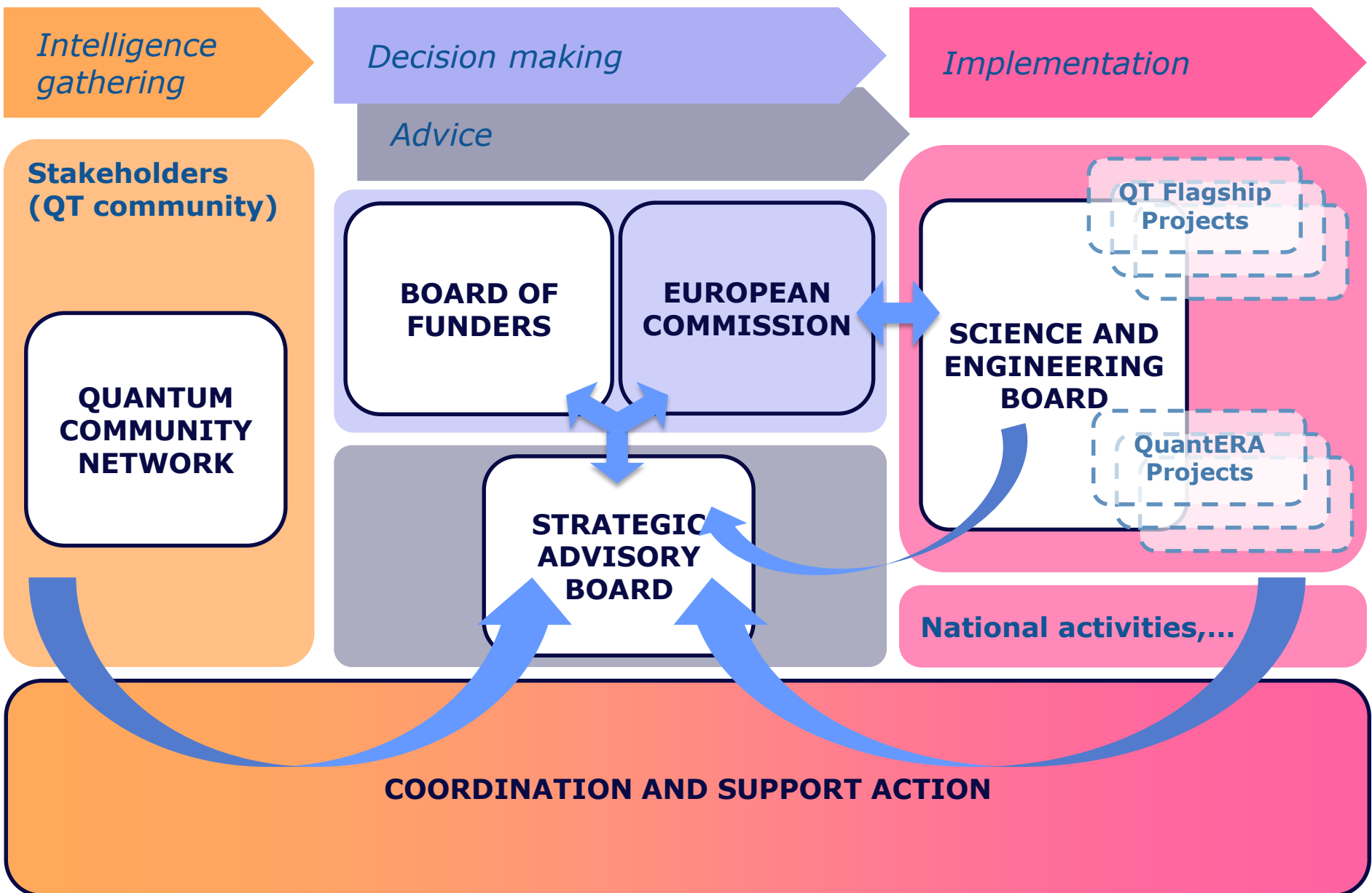
**QT Flagship  
Projects**

**QuantERA  
Projects**

**STRATEGIC  
ADVISORY  
BOARD**

**National activities,...**

**COORDINATION AND SUPPORT ACTION**



## *Decision making by public authorities*

### **Board of Funders:**

- **Discussion forum**
- **Alignment of initiatives**
- **Overall follow-up**

### **European Commission:**

- **Planning of financial support**
- **Project selection and funding decision**
- **Project follow-up**

## *Strategic advice by quantum community*

### **Strategic Advisory Board:**

- **Monitors the progress of the Flagship towards its goals**
- **Proposes updates of Strategic Research Agenda**
- **Works with the EC and reports progress to the BoF**
- **Gets inputs from networking & coordination level (CSA, SEB)**

# QT Flagship Strategic Advisory Board



## Composition:

- **6-8 academic members (including RTOs)**
- **6-8 industrial members (including SMEs)**
- **from MS/AC**
- **appointed by the EC**
- **1 chairperson + 1 vice-chair**
- **not involved in activities funded by the QT Flagship**

## Rules of procedure:

- **Meeting up to 4x/year**
- **2-year mandate**

**Transition from QT-HLSC:  
~10 former QT-HLSC  
members appointed with  
an initial 1-year mandate**

# QT Flagship Science & Engineering Board



## **Composition:**

- **QT Flagship project coordinators**
- **Representatives of QuantERA projects**

## **Tasks:**

- **Coordination of QT Flagship R&I activities**
- **Identify collaboration opportunities, joint developments, sharing of infrastructures among projects**
- **Interacts with the Strategic Advisory Board and reports to the EC**

# QT Flagship

## Coordination and Support Action



- **Networking of stakeholders**
  - **Liaison with QT initiatives at national/regional level**
  - **Management of the communication platform (web portal,...)**
  - **Management the information repository (databases,...)**
  - **Organisation of workshops, conferences**
  - **Organisation of the benchmarking of QT projects**
- **Promotes, disseminates, maximises outreach**
  - **Facilitates International cooperation**
  - **Collects progress indicators**
  - **Identifies education and training offers/needs**
  - **Identifies standardisation needs**
  - **Supports the SEB and SAB**

# QCN/Input from BoF

**Role of QCN:**            **Representation of the scientific community by country**  
**Interaction with the SAB via the president of the QCN**

## **Czech representative:**

- **Support of QCN (should be integral part of governance model)**

## **Spanish representative:**

- **Discuss QCN governance model**
- **Clarify position of EC, MS and their funding organisations (role of FET PC and BoF)**
- **Simplified model proposed**

## **Maltese representative:**

- **Supports QCN as proposed because it gives entire community a voice**



# Potential SAB members from QT-HLSC (academia)



## Eligible

**Prof. Dr. Jürgen Mlynek (Chair), Humboldt University**

**Prof. Dr. Vladimír Bužek, Slovak Academy of Sciences**

**Prof. Dr hab. Marek Kuś, Polish Academy of Sciences - Center for Theoretical Physics**

**Dr. Maria Luisa Rastello, National Institute of Metrological Research (INRIM)**

**Prof. Dr. ir. Wim Van Saarloos, University of Leiden, VP Royal Netherlands Academy of Arts and Sciences**

**Prof. Ian Walmsley, University of Oxford - Department of Physics**

**Prof. Elisabeth Giacobino, CNRS, Laboratoire Kastler-Brossel**

## Potential CoI

**Prof. Dr. Rainer Blatt, University of Innsbruck**

**Prof. Dr. Tommaso Calarco, University of Ulm**

**Prof. Per Delsing, Chalmers University of Technology**

**Prof. Eugene Simon Polzik, Niels Bohr Institute**

**Prof. Dr. Lluís Torner, ICFO - The Institute of Photonic Sciences**



# Potential SAB members from QT-HLSC (industry)



## Eligible

**ASML, Dr. Markus Matthes**

**Ericsson, Dr. Fabio Cavaliere**

**ST Microelectronics, Dr. Guido Chiaretti**

**KPN, Ms. Jaya Baloo**

## Potential CoI

**Airbus Defense & Space, Mr. Paolo Bianco**

**Atos SE, Dr. Cyril Allouche**

**ID Quantique SA, Dr. Grégoire Ribordy**

**M-Squared Lasers, Dr. Malcolm Graeme**

**Robert Bosch GmbH, Dr. Michael Bolle**

**Siemens AG, Dr. Norbert Lütke-Entrup**

**Thales, Mr. Daniel Dolfi**

**VLC Photonics S.L., Dr. Iñigo Artundo Martinez**

# Next steps

**July 2018**

**Call for expression of interest  
(RTOs and Industrials)**

**September 2018**

**Appointment SAB members**

**1st October 2018**

**Start of projects, Set-up of  
Governance structure**

**29th October 2018**

**QT Flagship kick-off Vienna  
First meeting of  
SAB and SEB**