SUPERVISORY BOARD OF THE DOCTORAL NETWORK

Responsibilities and tasks

The main role of the Supervisory Board (SB) of the network is to oversee the entire programme conduct and to have overall responsibility for decision making in all the areas related to the network-wide training and research activities, as well as for all the communication with the European Commission (EC). In particular, the responsibilities and tasks of the SB, include the following:

- To ensure that the needs of each Doctoral Candidate (DC) are met through provision of high quality scientific and technical training, complementary-skill (CS) training, individual research projects and meaningful exposure to industry and other sectors.
- To formally ratify the individual career development plans of the DCs and to review the progress of the DCs against these plans.
- To review progress against the stated objectives, milestones and deliverables, and approve variations of the plans as required and as opportunities arise.
- To oversee the initial recruitment process of the DCs, ensuring that a consistent recruitment process is applied to every DC.
- To take overall responsibility for ethics, ensuring all necessary approvals are obtained and offering advice as necessary.
- To develop ways of ensuring continued cooperation between the partners after the life of the project, including exploring opportunities to maintain and develop training and research activities.

Management structure and composition of the Supervisory Board

The management structure of the network, including that of the SB, is illustrated in Fig. 1 below.
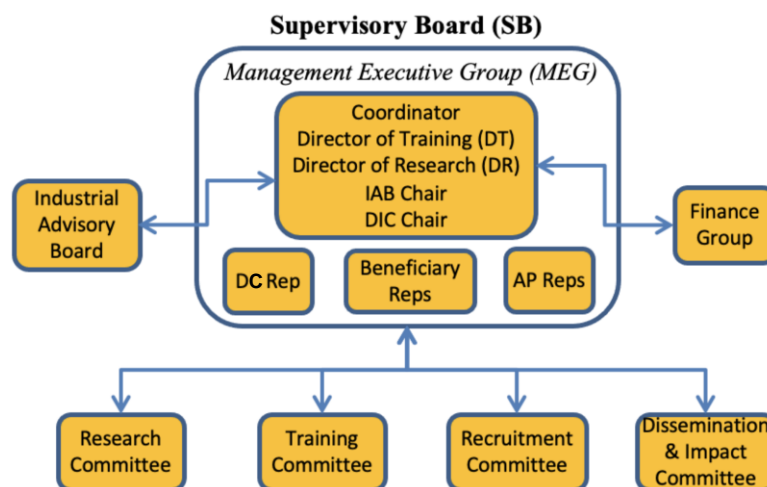

Fig. 1. Management structure of the network, including that of the SB.

The SB is chaired by the network Coordinator (Prof. Marcos Curty), and the deputy chair (Prof Alexander May) is the deputy coordinator. Moreover, the SB includes a representative from each partner supervising a DC (which includes all beneficiary partners) together with a representative from the associated partners (AP)---which altogether includes representatives from the Industrial Advisory Board (IAB)---and one DC representative on a rotating basis, as shown in Fig. 1.

The SB is supported by six principal committees: the IAB, the Research Committee, the Training Committee, the Dissemination & Impact Committee, the Recruitment Committee, and the Finance Group. More precisely,

- **Industrial Advisory Board (IAB)**: It is formed from key participants with strong industrial links (Dr. Andrew Shields, Dr. Gianluca Boso, Dr. Marc Kaplan, Olivier Gudet, Dr. Joppe W. Bos, Dr. Alireza Shabani, Dr. Koji Azuma, Dr. Simon Daum, and Dr. Daniele Finocchiaro), with Dr. Andrew Shields being the chair, and Dr. Gianluca Boso being the deputy chair. At each SB meeting, the IAB reviews and comments about the progress of each DCs, via the IAB Chair. Also, it reviews regularly the impact strategy of QSI network, by considering the scientific developments made on the programme as it progresses.

- **Research Committee (RC):** It is chaired by the Director of Research (Prof Eleni Diamanti) with a Deputy Director of Research (Prof Paolo Villoresi). Other members include the other Science & Technology WP leader (Prof Alexander May), the project manager (Lorena González-Curra), and representatives from the APs and DCs (both by rotation). The RC will meet biannually, but ongoing contact, predominantly via e-mail, online communications or informal discussions, will be maintained throughout the project. Meetings will be timed flexibly to fit with international participants, or use will be made of video conferencing tools.

- **Training Committee (TC):** It is chaired by the Director of Training (Prof. Christian Schaffner), assisted by a Deputy Director of Training (Prof. Andreas Hülsing), who is also the CS training WP leader. The TC includes as well as members the outreach work package leader (Prof. Christian Majenz), and the project manager (Lorena González-Curra) along with representatives of the APs and DCs (both by rotation). A principal goal of the TC is to ensure that the network provides a broad and balanced spectrum of opportunities and training for all DCs, so that they are adequately prepared for future career opportunities. Also, this committee coordinates all network-wide training activities and monitor all training undertaken by the individual DCs, including reviewing their Personal Career Development Plans and secondments. It maintains a two-way communication with the SB to ensure the latter is both kept fully informed of, and can have a direct input into, the training and career development of the DCs. The TC will meet biannually under the same conditions as the RC mentioned above.

- **Recruitment Committee (RTC):** It is chaired by the Coordinator (Prof. Marcos Curty), and the deputy chair is Prof. Eleni Diamanti. Other committee members include Prof. Mohsen Razavi, Prof. Christian Schaffner, and Dr. Andrew Shields. The main task of the

RTC is to oversee the recruitment of all DCs, to ensure timely competitive international recruitment and promote equal opportunities.

- **Dissemination & Impact Committee (DIC):** It is chaired by Prof. Mohsen Razavi, with Dr. Rob Thew as deputy chair. Other members of the DIC include the Director of Research (Prof Eleni Diamanti), the IAB Chair (Dr. Andrew Shields), the project manager (Lorena González-Curra), and representatives of the APs and DCs (both by rotation). The principal goal of the DIC is to oversee the design and maintenance of the project's web site, planning and monitoring of outreach activities, monitoring IP issues, implementing publication policy and the data management plan (DMP) and updating it, and overseeing arrangements for network symposiums. It will meet biannually, possibly online, but will keep in regular ongoing e-mail contact and will establish outreach/conference subcommittees if required, particularly during the later stages of the network.

- **Finance group (FG):** It conducts the financial management at the QSI network. It includes as members the network Coordinator (Prof. Marcos Curty), the project manager (Lorena González-Curra) and an administrator from the University of Vigo (UVigo), School of Telecommunication Engineering. Input will also be provided by the International Projects Office at UVigo to ensure all audit and financial reporting requirements are met. The FG will be responsible for disseminating the network funds among partners, monitoring the network budget, advising partners on funding issues, and providing financial reports to the SB. The FG will meet formally every 6 months but will have frequent informal interactions.

To provide agility in time sensitive matters, temporary decisions within the network could be made by the management executive group (MEG), which includes the Coordinator, the Directors of Research and Training, and the Chairs of the IAB and DIC. These decisions should be later on ratified by the SB. The MEG will conduct ongoing assessment of progress and outcome, and monitor the proper conduct of the project. It will also organise and collect data for the SB meetings.

This structure and composition has been ratified in a meeting celebrated on June 27, 2023, among representatives of the consortium. The composition of the SB is also summarized in Table 1 below.

Member	Affiliation	Role
Prof Marcos Curty	Universidad de Vigo (UVIGO)	Coordinator; UVIGO Rep; MEG member; Chair of RTC; FG Member
Prof. Christian Schaffner	Universiteit van Amsterdam (UvA)	Director of Training; UvA Rep; MEG member; RTC Member
Prof Eleni Diamanti	Sorbonne Université (SU)	Director of Research; SU Rep; MEG member; Deputy Chair of RTC; DIC Member
Dr Andrew Shields	Toshiba Europe Limited (TOSHEU)	Chair of the IAB; TOSHEU Rep; MEG member; RTC/DIC Member
Prof Mohsen Razavi	University of Leeds (ULEEDS)	Chair of DIC; ULEEDS Rep; MEG member; RTC Member

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Prof Alexander May	Ruhr- Universität Bochum (RUB)	Deputy Coordinator; RUB Rep; Member of RC
Prof Paolo Villoresi	Università Degli Studi di Padova (UNIPD)	Deputy Director of Research; UNIPD Rep
Prof Andreas Hülsing	Technische Universiteit Eindhoven (TU/e)	Deputy Director of Training; TU/e Rep
Dr Robert Thew	Universite de Geneve (UNIGE)	Deputy Chair of DIC; UNIGE Rep
Dr Gianluca Boso	ID Quantique SA (IDQUANTIQUESA)	Deputy Chair of IAB; IDQUANTIQUESA Rep
Prof. Christian Majenz	Danmarks Tekniske Universitet (DTU)	Member of TC; DTU Rep
APs Scientific Contacts	-	Members of RC/TC/DIC; AP Rep by rotation
DC	-	Member of RC/TC/DIC; DC Rep by rotation

Table. 1. Composition of the SB.

In addition to the management structure detailed above, within the QSI network there is a DC Forum (DF), in which each DC is member. The purpose of the DF is:

- To ensure that the DCs are represented at all levels of the network.
- To discuss any issue they wish to feed into the network's management team.
- To choose representatives to attend the SB's committee meetings on which they are represented. (DCs' representatives will anyway rotate to ensure that all DCs gain some committee work experience during the life of the network.)

To facilitate these important tasks, the DF will hold regular meetings by video conferencing, and there will be a secure forum on the project's web site to enable DCs to discuss any issues they wish to feed into the network's management team. Also, this online secure forum will provide the platforms for DC representatives to report back from the meeting to the other DC. In addition, we will ensure that there will be an opportunity for DF to meet during each network event.

The way of working of the Supervisory Board

Decisions within the SB will be made by consensus, with voting mechanisms where appropriate. In the event of a tie the Coordinator will have the casting vote. The DC representative would be asked to withdraw, where appropriate, if confidential information about an individual DC needs to be discussed.

The SB met on June 27, 2023, during the Orientation Meeting held at the University of Amsterdam that week. This Board will meet regularly in each of the network's other major events, unless additional meetings prove necessary. If additional meeting are necessary, they will be held by video conferencing.

Needless to say, the SB will ensure that all activities within the network respect basic European values such as respect for human dignity, freedom, democracy, equality, and the rule of law and human rights, including the rights of minorities, and they are carried out in line with

the highest ethical standards and the applicable EU, international and national law on ethical principles, as described within the Grant Agreement. In addition, the SB will take measures to promote equal opportunities between men and women in the implementation of the action and, where applicable, in line with the gender equality plan.