MoSaiQC | ITN

Modular Systems for advanced integrated Quantum Clocks

D4.1 Website

Project acronym: MoSaiQC
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v0.1, 17.08.2020	Judith Kreukels	First draft
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Contents

Executive summary

This document describes the MoSaiQC project's website, which is available at https://www.mosaiqc.eu/. The website has been designed and written to advertise the MoSaiQC project and to communicate scientific results to a wider audience. At this point the website presents the involved partners, open and filled PhD positions, news updates and contact information of the project partners. It is planned that in the future visitors can download public dissemination materials and open access publications with the goal to raise awareness of the project.

1 Introduction

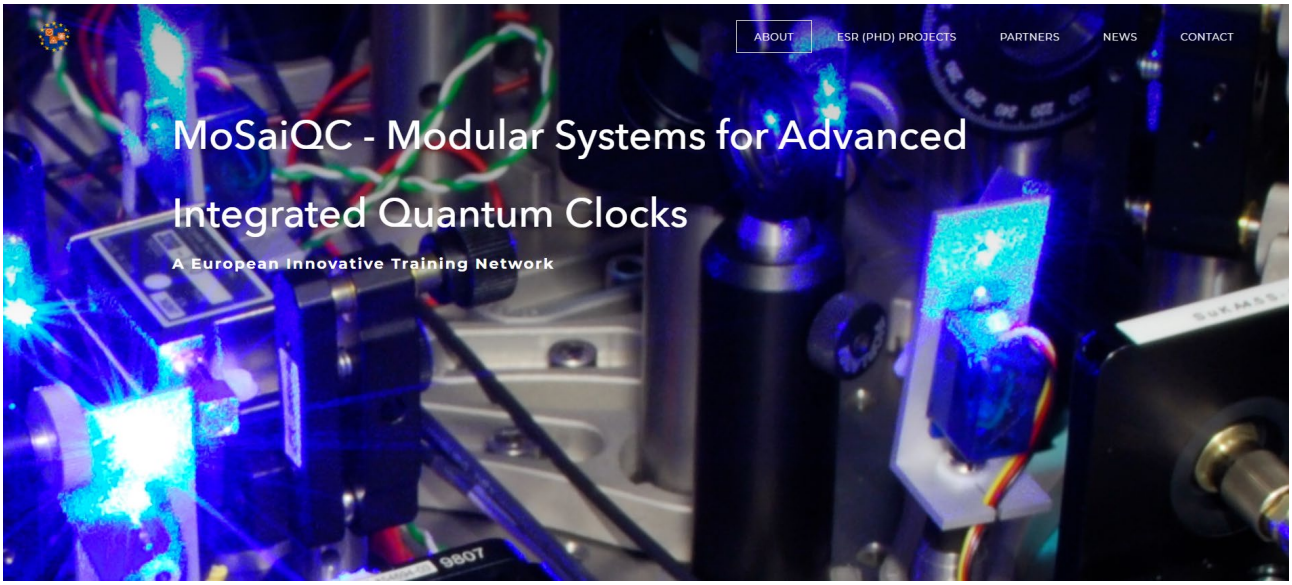
Online activities will be the primary channels to engage with the different target audiences in the MoSaiQC project. The website is currently used to present the goal of the project and provides updated information on vacancies. In the future it will contain all relevant MoSaiQC information (project videos, popular press articles, lay summaries and brochures, career opportunities) and advertise the project's outreach activities. In particular, the ESRs will play an active role in keeping the "news" section of the website lively. This website is a platform for the ESRs to make their contributions to the projects, their results and, if desired by the ESRs, their academic lives known to a larger audience. A range of social media platforms will be used to further distribute these news and to engage with different audiences about research, see Milestone 4.1.

2. Structure of the website

The current website is structured as follows:
About: includes the goal of MoSaiQC and background information
ESR (PhD) projects: lists the open and filled vacancies (regularly updated)
Partners: background information on the project partners and the team members involved
News: announcements are placed here
Contact: contact information on how to get into contact with the MoSaiQC consortium

3. Current state

The website is online since August 2019. The following screenshots provide an impression of the website.



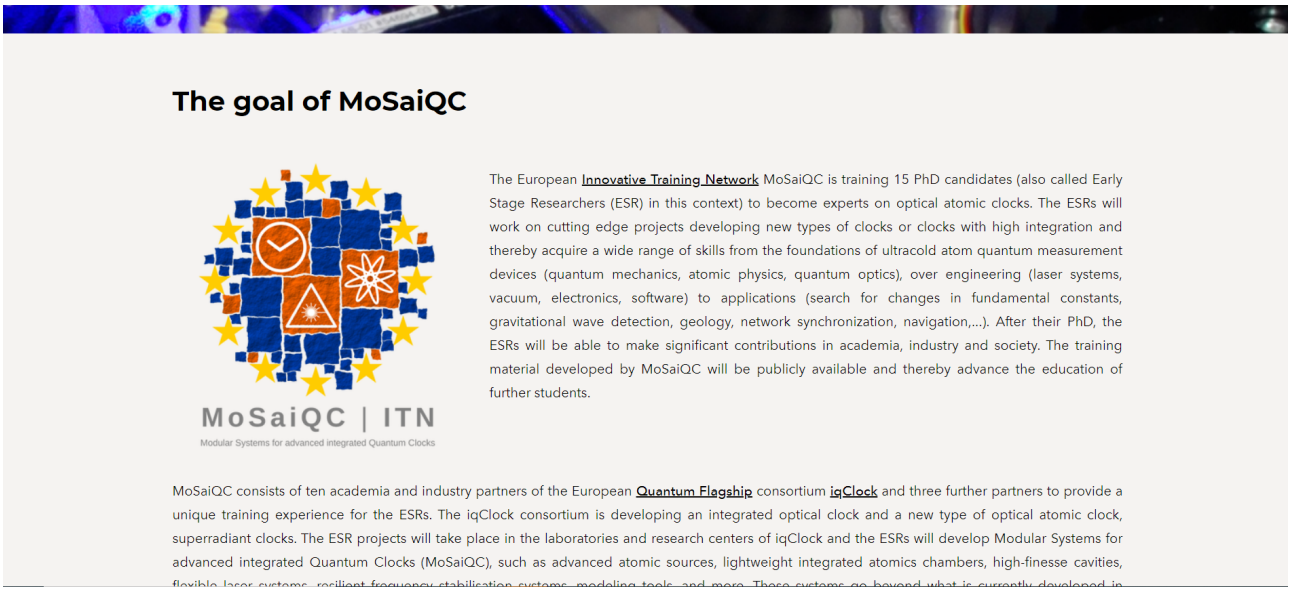


Figure 3.1 The introductory page of the website

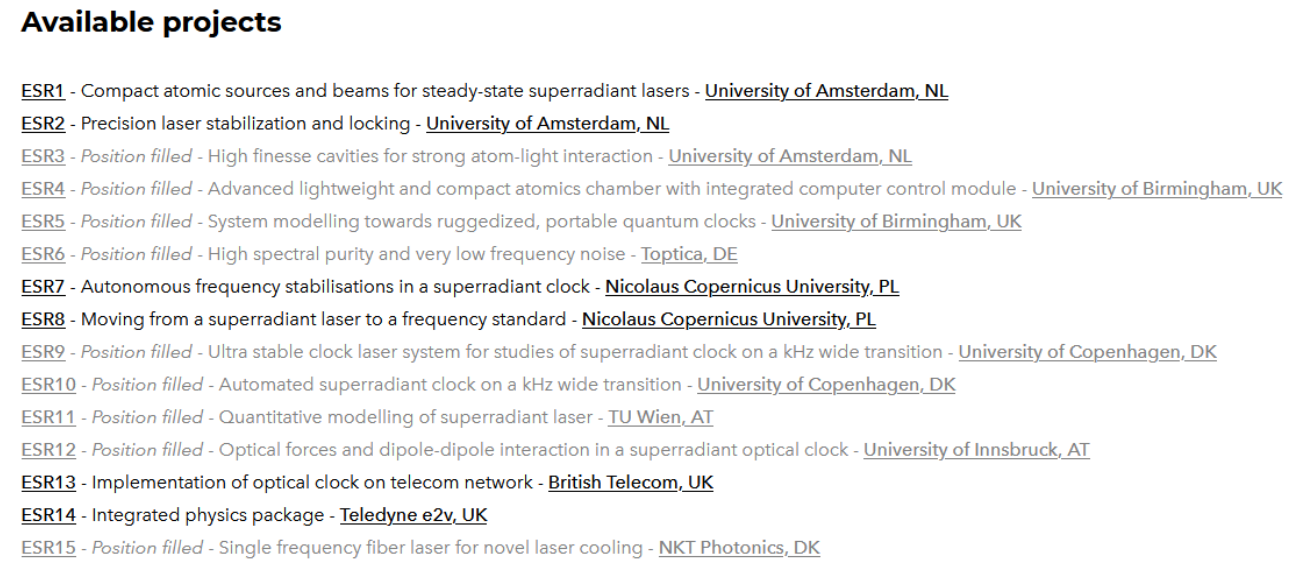
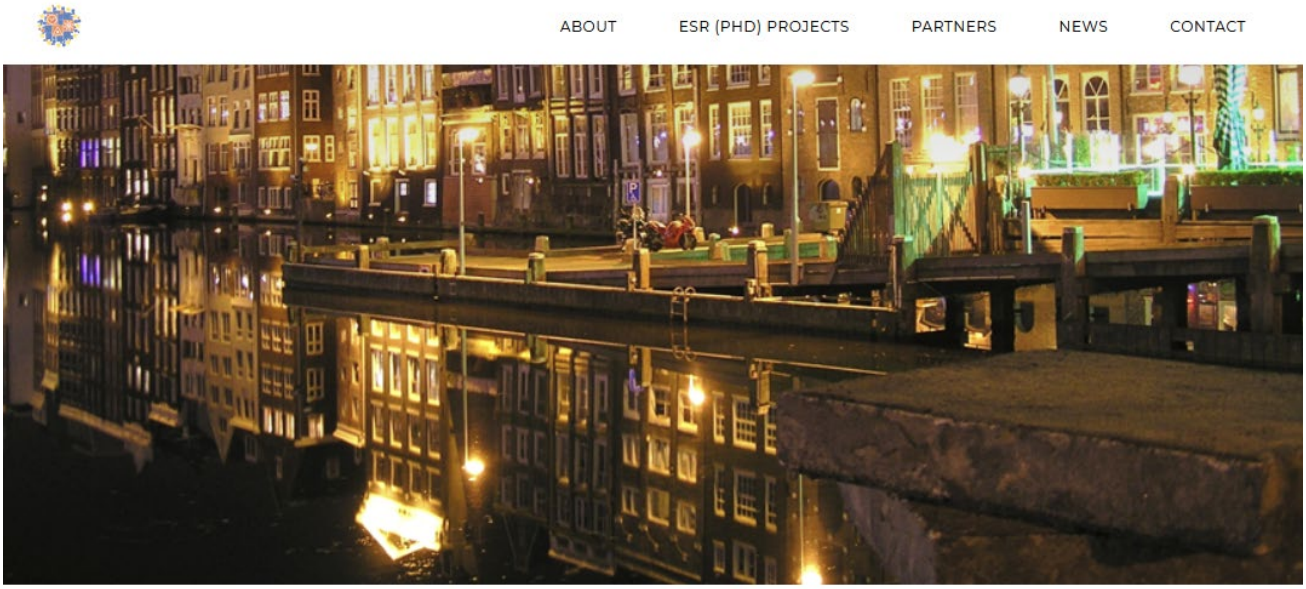


Figure 3.2 List of vacancies with links to longer descriptions of position and partner



Positions in Amsterdam

The Amsterdam team has two open ESR (PhD) projects.

ESR1 - Compact atomic sources and beams for steady-state superradiant lasers

Steady-state atomic beam sources are crucial to realizing superradiant clocks and beneficial for quantum sensing with ultracold atoms in general. We have developed a continuous beam of ultracold atoms of unprecedented brightness and phase-space density and can create steady-state samples close to quantum degeneracy (the phase-space density is 1). This continuous source of atoms is one of the foundations of our attempts to develop continuous superradiant clocks within iqClock. The source we have developped so far is rather large and needs to be shrunk in size and complexity to enable more researchers to use them and to bring them out of the lab into the field. We are developing

Figure 3.3 Example of an open position description

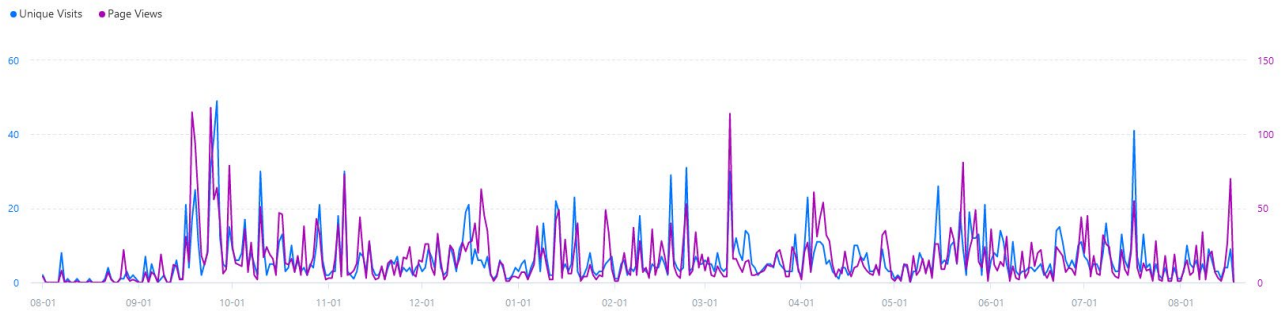


Figure 3.4 Statistics of visitors from Aug 2019 to Aug 2020.

During the last year the website has been visited by 2331 unique visitors, who did read 5969 pages of the site.

4. Maintenance

The website will be regularly updated by the Project Coordinator. In the future an ESR will take over the maintenance.

5. Future adjustments

It is planned to present the ESRs who have already started on the website, if they agree with this presentation. We will create a sub-page to rapidly communicate new data, outcomes, results, publications, etc. and to advertise upcoming events. In the process of reaching Milestone 4.1, we will develop an outreach strategy to address different target audiences (bachelor and master students, non-MoSaiQC PhD students and postdoc applicants, laypeople interested in cutting edge physics, high-tech company employees (engineers, managers) interested in the topics of MoSaiQC and quantum science in general,…) and to present results to specific groups of interest in the future. This strategy will include the news and results section of the MoSaiQC website and social media channels (e.g. postings on Twitter).

6. Conclusions

This document has shown the set up and future adjustments to the MoSaiQC website. The website is a continuous work in progress and will constantly be updated with news, upcoming events and MoSaiQC achievements.