



## 4<sup>rd</sup> AQUALity Meeting

### MINUTES

**Date:** 2<sup>nd</sup> -3<sup>th</sup> September 2019

**Venue:** Nihat Turan Seminar Hall, Karadeniz Technical University, Trabzon  
(Turkey)

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**The meeting has been organized** by Dr. İlknur Altın and Prof. Emin Bacaksız and held at *Karadeniz Technical University, Trabzon (Turkey)*.

**The meeting was attended** by the following representatives of beneficiaries and partner institutions.

Namely:

- ✓ P. Calza, G. Magnacca, A. Bianco Prevot, E. Laurenti, D. Fabbri (UNITO)
- ✓ M. Marin, A. Arques (UPV)
- ✓ S. Bouchonnet, A.F. Eyssautier (EP)
- ✓ I. Oller, M.I. López (CIEMAT)
- ✓ V. Boffa (AAU)
- ✓ R. Binetti (SMAT)
- ✓ I. Altın, E. Bacaksız (KTU)
- ✓ V. Candelario (LQT)
- ✓ U. Precht (Eurofins VBM Laboratoriet)
- ✓ V. Stathopoulos (MIRTEC)
- ✓ C. Escudero (NIVA)

E. Robotti (UNIPM) and V. Sakkas joined the meeting via Skype.

Nobody from CNRS, FACSA, IRIS, ISALIT, INERIS.

In addition, the following enrolled ESRs partook the meeting:

- ✓ ESR1 - Masho Hilawie Belay
- ✓ ESR2 - UNITO - Nuno Gonçalves
- ✓ ESR3 - UOI – Cristina Jimenez Holgado
- ✓ ESR4 - EP - Zsuzsanna Varga
- ✓ ESR6 - SMAT - Dimitra Papagiannaki
- ✓ ESR7 - UPV - Alice Pavanello
- ✓ ESR8 – KTU - Chukwuka Bethel Anucha
- ✓ ESR9 - CIEMAT - Ivan Matias Sciscenko
- ✓ ESR10 - CNRS - Davide Palma
- ✓ ESR11 - CIEMAT - Ilaria Berruti
- ✓ ESR13 - LQT - Esra Eray





- ✓ ESR14 - UNITO - Fabrício Eduardo Bortot Coelho
- ✓ ESR15 - CIEMAT - Dennis Deemter.

ESR12 - AAU - Katarzyna Janowska joined the meeting via Skype.

ESR5 - AAU - Reni Dimitrova was on maternity leave.

## Day 1 - AQUALity Meeting

The ESRs were invited to an individual meeting via skype with the coach Pia Bogelung. The colloquia started at 9:00 and continued also during the rest of the week following the planned timetable reported in the Annex.

After lunch the AQUALity meeting started at 14:30. Paola Calza welcomed the participants and illustrated the agenda.

### - **WP1: Project management**

The minutes relative to the Mid-term check and the previous 3<sup>th</sup> AQUALity meeting were approved. Also, the comments received from the Project Officer as final feedback of the Mid-term check were illustrated and discussed. In particular, special attention needs to be paid to the modification of secondment plan. **All the changes need to be submitted in advance to PO for approval explaining the scientific reasons of the change.** The Coordinator will collect eventual requests and ask a quick feedback related to this issue.

AQUALity project was selected to participate at the Cluster event on Clean Water in Girona (ES) organized by REA on 22 October 2019; Prof. P. Calza, Dr. Kadrispahic, ESR6 (D. Papagiannaki) and ESR9 (I. Sciscenko) will attend the event.

AQUALity project was invited to prepare a proposal for a 90 min session for:

1) **The American Association for the Advancement of Science Annual Meeting-AAAS 2020 (Seattle)- Envisioning Tomorrow's Earth.** P. Calza, N. Goncalves, V. Sakkas, I. Oller are in charge for the organization of the event. The proposal was not accepted.

2) **EuroScience Open Forum – ESOF2020** in Trieste (IT) in July 2020. P. Calza, G. Magnacca, A. Arques, V. Boffa, Dr. C. Richards and ESR4 (S. Varga) are in charge for the organization of the event. Evaluation of the proposal is still in progress.

A change in the Management Team will occur as the Dissemination and Exploitation Manager, Dr. E. Sannino, has obtained a permanent position in the UNITO staff and a new Dissemination and Exploitation Manager will be enrolled soon. The selection process is in progress.

Several deliverables need to be submitted by the end of October 2019, in detail D2.2, D3.1, D3.2, and D4.2, together with the Milestones MS3, MS4 and MS5, while deliverables D4.3 and D4.4. are due by April 2020.





The state of the research concerning the topics of these deliverables and milestones were discussed during the meeting.

The periodic technical report must be submitted by the end of November (60 days after the first two years of activity). The report needs to be submitted for requesting the interim payment. It is composed by a financial and scientific part.

The financial report is automatically generated by the project application at the EU participant portal once the LSIGN of the beneficiary institutions reviews and locks the information for submission.

The scientific report consists in two parts. Part A is automatically generated via EU participant portal and all the participants and partners are kindly invited to update their own section. Part B need to be prepared and then uploaded in the participant portal. To allow the proper preparation of the documents, all the participants and partners are requested to send all the information to the WP leaders who will collect them within mid-October and send it to the coordinator. The final draft will then firstly be sent to the Supervisory Board for check and then sent to the Advisory Board for final checking before the submission to REA.

A short discussion followed and then the floor was given to the ESRs for the presentation of the results achieved so far. Masho Hilawie Belay, Nuno Gonçalves, Cristina Jimenez Holgado, Zsuzsanna Varga, and Dimitra Papagiannaki presented their results and secondment activities.

The meeting continued with the discussion on WP2 progression.

- **WP2: High resolution analytical methods for the determination of CECs in aqueous systems and investigation of their environmental fate**

Prof. V. Sakkas via skype call led the discussion on WP2 results.

At the end of the Skype call, prof. Sakkas invited all the AQUALity members to join the following 5<sup>th</sup> AQUALity meeting and Chemometric School which will be held in Ioannina (GR) in April 2020 (presumably 6-7 April the AQUALity meeting, 8-9 April the School).

The meeting concluded at 17:30.

All participants joined a dinner at





## Day 2 - AQUALity Meeting

The meeting started at 9:00 with the presentations of ESRs involved in WP3.

- **WP3: Solar AOPs for the enhanced removal of CECs)**

Alice Pavanello, Chukwuka Bethel Anucha, Ivan Matias Sciscenko, Davide Palma and Ilaria Berruti presented their scientific work and secondment activities.

The following discussion was led by prof. A. Arques, who pointed the attention on the next due deliverables and on the WP progress.

No relevant issues emerged in WP3 discussion.

- **WP4: Innovative hybrid NF/AOPs for CECs abatement**

The WP4 ESRs' presentations (Katarzyna Janowska via Skype, Esra Eray, Fabricio Bortot Coelho and Dennis Deemter) and discussion took place after break.

The discussion was led by Prof. V. Boffa.

No relevant issues emerged from the discussion.

The meeting closed at 12:30 for lunch and the new session opened at 14:30.

- Dr. I. Oller led the discussion on **WP5 (Recruitment and training)**

All the participants are requested to:

- ✓ update the information about the local training activities that are now displayed on the AQUALity website
- ✓ supply information concerning the soft skills and entrepreneurship training courses – organized both via Webex or in presence
- ✓ update the information concerning the training activity in order to evaluate the reaching of the 50% of the training activities and submit the relative Milestone.

- Prof. E. Robotti led the discussion on **WP6 (Involvement of the industrial partners and result exploitation)** via skype.

Few mistakes are still present in the secondment plan, all the participants need to check and correct the plan of secondments. In case changes are foreseen, the coordinator, and subsequently the PO, need to be informed for approval. It could be preferred to avoid substantial changes in order to avoid amendments of the GA. All the changes need to be advanced as a consequence of important scientific issues.





**AQUALity Project**  
**Marie Skłodowska-Curie Action**  
**Innovative Training Network**



- Prof. E. Laurenti led the **WP7 (Data management, dissemination and outreach)** discussion.

AQUALity project was involved in several wide audience initiatives:

- ✓ On July 22 an article on AQUALity has been published in Platinum magazine, available online at <https://platinum-online.com/releases> and diffused with the newspaper *IlSole24ore*.
- ✓ The group of SMAT (and in particular, Dimitra Papagiannaki and her supervisor Rita Binetti) has been interviewed about their research on PFAS and sent on TV (RAI TGR Piedmont edition, available at: <https://www.rainews.it/tgr/rubriche/leonardo/video/2019/04/ContentItem-e3eb2fea-81fd-49af-a391-e3318700df71.html>).
- ✓ N. Gonçalves, I. Sciscenko and E. Eray will be in charge for the next “Attack to the CECs, ESR experience” in the AQUALity newsletter.

For what concerns AQUALity and the social networks, the Dissemination and Exploitation Manager will look after the AQUALity website and Facebook page together with Prof. Laurenti, LinkedIn together with A. Pavanello and Research Gate. C. Jimenez Holgado and D. Deemter will be in charge for Instagram, N. Gonçalves and A. Pavanello for Twitter.

Next events:

- ✓ European Researchers’ Night 2019 (27<sup>th</sup> September 2019) in Alessandria and Torino (IT), at Plataforma Solar and Valencia (ES). The ESRs in Denmark will join the European Researchers’ Night in Sweden.
- ✓ 4<sup>th</sup> AQUALity meeting and Chemometric School (in April 2020).
- ✓ SMAT workshop on water management and regulation (in 2020, details will be ready soon)  
SPEA11 (Torino, 8-12 June 2020).
- ✓
  - After break the **Supervisory Board Meeting** followed.

It was chaired by Paola Calza, the coordinator.

WP leaders are in charge for collecting and preparing the scientific intermediate report for the Advisory Board check before submission.

All ESRs and tutors are invited to increase the number of research products, looking for collaboration between ESRs and institutions. Also, some reviews could be prepared and submitted for publication.

In conclusion, Prof. Calza thanked the all participants, speakers and local organizers for the very fruitful meeting.

The activities ended at 17:45.





## ANNEX I

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# 4<sup>th</sup> AQUALity Networking Symposium

## AGENDA

**Date:** 2<sup>nd</sup> -3<sup>rd</sup> September 2019

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**Venue:**

Nihat Turan seminar hall- II<sup>1</sup>, 2<sup>nd</sup> floor of KTU Osman, Trabzon (Turkey)

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### Day 1

**9:00-13:00:** individual meetings with ESRs' coach – *to be held at Ahmet Selim Teymur Seminar hall<sup>2</sup> at 1<sup>st</sup> floor of KTU Osman Turan Conference hall<sup>3</sup>.*

**13.00:** Lunch – *to be held at KTU Sahil Tesisleri Restaurant – meeting point: 1 p.m. in front of Koru hotel*

**14:30** Welcome to participants and adoption of agenda **I. Altin/ E. Bacaksız/P. Calza (KTU/UNITO)**

**14:45 WP1-**Management of the project **P. Calza (UNITO)**

**15:15 WP2:** ESRs presentations (Masho Hilawie Belay, Nuno Gonçaves, Cristina Jimenez Holgado, Zsuzsanna Varga, Dimitra Papagiannaki)

**16:30 Break**

**17.00 WP2** discussion (chair: V. Sakkas (UOI))

### Day 2

**9:00 WP3:** ESRs presentations (Alice Pavanello, Bethel Anucha, Ivan Matias Sciscenko, Davide Palma, Ilaria Berruti)

**10:15 WP3** discussion (chair: A. Arquez (UPV))

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<sup>1</sup> In Turkish: “Nihat Turan Seminer Salonu-II”

<sup>2</sup> In Turkish: “Ahmet Selim Teymur Seminer salonu”

<sup>3</sup> KTU Osman Turan Conference Hall is next to KORU Hotel





**10:50 Break**

**11:10 WP4:** ESRs presentations (Katarzyna Janowska, Esra Eray, Fabricio Bortot Coehlo, Dennis Deemter)

**12:10- WP4** discussion (chair: V. Boffa (AAU))

**13:00:** Lunch

**14:30 WP5** Discussion on ESRs Training Events **I. Oller (CIEMAT)**

**15:00 WP6** Discussion on ESRs' Secondments **E. Robotti (UNIPMN)**

**15:30 WP7** Dissemination/Outreach activities of the project **E. Laurenti (UNITO)**

**16:00 Break**

**16:20** Supervisory Board meeting

**17:00** Planning for the next project meetings:

-5<sup>th</sup> AQUALity meeting and Summer School (UOI) (**V. Sakkas**)

**17:15** Round table and planning of the research/dissemination activities up to April 2020

**17:45** Conclusive remarks





## ATTENDANTS

| <b>Consortium Member</b>   | <b>Short Name</b> | <b>Attendants</b>  |
|--|-------------------|--|
| Università degli Studi di Torino                                       | <b>UNITO</b>      | Paola Calza<br>Debora Fabbri<br>Enzo Laurenti<br>Giuliana Magnacca<br>Alessandra Bianco Prevot |
| Università degli Studi del Piemonte Orientale Amedeo Avogadro          | <b>UNIPMN</b>     | --   |
| Aalborg Universitet  | <b>AAU</b>        | Vittorio Boffa   |
| Centre National de la Recherche Scientifique                           | <b>CNRS</b>       | --   |
| École Polytechnique  | <b>EP</b>         | Stéphane Bouchonnet, Anne-Florence Eyssautier  |
| Karadeniz Teknik Universitesi  | <b>KTU</b>        | Ilknur Altin, Emin Bacaksız  |
| LiqTech International A/S  | <b>LQT</b>        | Victor Manuel Candelario Leal  |
| Società Metropolitana Acque Torino S.p.A.                              | <b>SMAT</b>       | Rita Binetti   |
| Centro de investigaciones energeticas, medioambientales y tecnologicas | <b>CIEMAT</b>     | Isabel Oller Albarola<br>Maria Inmaculada Polo López   |
| Panepistimio Ioanninon   | <b>UOI</b>        | -  |
| Universitat Politècnica de València                                    | <b>UPV</b>        | Antonio Arques, Maria Luisa Marin  |
| Sociedad de Fomento Agrícola Castellonense                             | <b>FACSA</b>      |  |
| IRIS s.r.l.  | <b>IRIS</b>       | --   |
| Eurofins VBM Laboratoriet  | <b>VBM</b>        | Ulrich Precht  |
| NIVA   | <b>NIVA</b>       | Carlos Escudero  |
| ISALIT   | <b>ISALIT</b>     |  |
| INERIS   | <b>INERIS</b>     | --   |
| MIRTEC   | <b>MIRTEC</b>     | Vasilios Stathopoulos  |







| <b>Consortium Member</b>  | <b>Short Name</b> | <b>ESRs</b>              |
|---|-------------------|--------------------------|
| Università del Piemonte Orientale, Alessandria, Italy                             | UNIPMN            | Masho Hilawie Belay      |
| Università di Torino, Italy   | UNITO             | Nuno Gonçalves           |
| Ioannina University, Greece   | UOI               | Cristina Jimenez Holgado |
| Ecole Polytechnique, Palaiseau, France  | EP                | Zsuzsanna Varga          |
| Aalborg University, Aalborg, Denmark  | AAU               | --                       |
| SMAT, Torino, Italy   | SMAT              | Dimitra Papagiannaki     |
| UPV-CSIC, Valencia, Spain   | UPV               | Alice Pavanello          |
| Karadeniz Technical University, Trabzon, Turkey                                   | KTU               | Bethel Anucha            |
| Escuela Politécnica Superior de Alcoy, Universitat Politècnica de València, Spain | CIEMAT            | Ivan Matias Sciscenko    |
| CNRS, Clermont Ferrand, France  | CNRS              | Davide Palma             |
| CIEMAT, Almeria, Spain  | CIEMAT            | Ilaria Berruti           |
| Aalborg Univeristy, Aalborg, Denmark  | AAU               | --                       |
| LQT, Aalborg, Denmark   | LQT               | Esra Eray                |
| Università di Torino, Italy   | UNITO             | Fabricio Bortot Coehlo   |
| CIEMAT, Almeria, Spain  | CIEMAT            | Dennis Deemter           |





| <b>Individual meetings with ESRs' coach</b> |                       |               |
|---|-----------------------|---------------|
| <b>ESR</b>                                  | <b>Day</b>            | <b>Time</b>   |
| <b>Masho Hilawie Belay</b>                  | Monday, 2 September   | 09.00 – 10.00 |
| <b>Nuno Gonçalves</b>                       | Monday 2 September    | 10.30-11.30   |
| <b>Cristina Jimenez Holgado</b>             | Monday 2 September    | 12.00 – 13.00 |
| <b>Zsuzsanna Varga</b>                      | Wednesday 4 September | 09.00 – 10.00 |
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| <b>Dimitra Papagiannaki</b>                 | Wednesday 4 September | 10.30-11.30   |
| <b>Alice Pavanello</b>                      | Wednesday 4 September | 12.30 – 13.30 |
| <b>Bethel Anucha</b>                        | Wednesday 4 September | 14.00 -15.00  |
| <b>Ivan Matias Sciscenko</b>                | Thursday 5 September  | 09.00 – 10.00 |
| <b>Davide Palma</b>                         | Thursday 5 September  | 10.30-11.30   |
| <b>Ilaria Berruti</b>                       | Thursday 5 September  | 12.30 – 13.30 |
| --  | --                    | --            |
| <b>Esra Eray</b>                            | Friday 6 September    | 09.00 – 10.00 |
| <b>Fabricio Bortot Coehlo</b>               | Friday 6 September    | 10.30-11.30   |
| <b>Dennis Deemter</b>                       | Friday 6 September    | 12.30 – 13.30 |

