

## Minutes of SIAPWS EC Meeting 2020-1 (18.03.2020)



### 1. Attendees

- Karsten Thomsen (Chair)
- Monika Nielsen (EC member, Ørsted representative)
- Roger Lundberg (EC member)
- Arja Lehtikoinen (EC member)
- Jere Espo (EC member)
- Niklas Berg (EC member)
- Anders Fredrikson (SIAPWS auditor)
- Anna Edebo (E.ON representative)

### 2. Review of the SIAPWS Statutes

- The statutes have been reviewed.
- New section on the Nordic collaboration has been added
- Membership has been changed to only a few to reflect the new organization. The three countries have each two members and the group members may have one, if they wish.
- Election of members – two members from each country, recommended by the national organisations, and the group members can have a seat in the EC
- SIAPWS Suomi has changed name to Vesikemiyhdistys SIAPWS Suomi ry. Monika will change that in the Statutes.
- EC members are elected for a two-year period. Most often uncontested election is expected, but the rules for voting are maintained in case no agreement may be reached.
- Two Appendixes have been added to summaries the SIAPWS Vision and Mission. These may be changed more often than the Statutes but should be changed in relation to an annual meeting.
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The EC members agree on proposing the new Statutes at the General Meeting on 18/3.

### 3. Budget 2020

- Not much has changed for 2020.
- E.ON Värme has changed name to E.ON Energilösningar
- In 2019 the costs for the SIAPWS website was paid by SIAPWS-DK. From 2020 and onwards this will be covered by SIAPWS Nordic.
- Include the 2019 result in the 2020 budget for comparison.
- Suggestion to add the time spend on the SIAPWS EC work as "a cost". Discussion shows that only a few EC members register time spent specifically on SIAPWS, so this may only be done on a qualitative base.

### 4. Preparation for the SIAPWS Ordinary General Meeting

- The SIAPWS annual workshop has been re-booked to the 25-26 August. We will also try to re-book the plant visit.
- The SIAPWS annual workshop will be merged with the SIAPWS-DK workshop planned for August.
- The workshop will be free of charge as SIAPWS workshops traditionally are.
- The preliminary program is as follows:

25. August	Item	Responsible/speaker
09:30-10:00	Welcome to SIAPWS Workshop 2020 incl. morning coffee	Karsten Thomsen Monika Nielsen
10:00-11:00	Workshop, session 1 1. Basic water chemistry - xxx 2. Basic water chemistry - xxx 3. Basic water chemistry - xxx	Xxx Xxx Xxx
11:00-11:20	Short break	-
11:20-11:40	Orientation on IAPWS and SIAPWS activities	Karsten Thomsen

<b>25. August</b>	<b>Item</b>	<b>Responsible/speaker</b>
11:40-12:10	SIAPWS National Groups <ul style="list-style-type: none"> <li>• SIAPWS Danmark</li> <li>• SIAPWS Suomi</li> <li>• Matarvattensektionen</li> </ul>	Monika Nielsen Arja Lehtikoinen Roger Lundberg
12:10-13:00	Lunch – sponsored by SIAPWS	-
13:00-15:00	Workshop, session 2 <ol style="list-style-type: none"> <li>1. Bacterial growth in district heating systems – how to detect and react</li> <li>2. District heating water quality - Case Kivenlahti</li> <li>3. Distribution of rinsed FGC through district heating systems – Danish experience</li> <li>4. Comparison of guidelines for district heating water in the Nordic countries</li> </ol>	Karsten Thomsen, COWI  Jere Espo Henrik Rostgaard, HOFOR Jørgen Peter Jensen, COWI Thomas Dalsgaard, Eurowater
15:00-15:30	Coffee break	
15:30-17:00	Workshop, session 3 <ol style="list-style-type: none"> <li>1. What do we do Chemistry-wise in UK &amp; Ireland, BIAPWS</li> <li>2. Experiences with FFA at CCGT plants in UK</li> <li>3. Application of FFA according to the IAPWS TGD</li> <li>4. Exchange of considerations concerning the use of FFA</li> </ol>	Paul McCann, BIAPWS Paul McCann, BIAPWS Karsten Thomsen, COWI All
19:00-22:00	SIAPWS Dinner in Copenhagen (self-paid, but arranged by SIAPWS)	Karsten Thomsen Monika Nielsen
<b>26. August</b>	<b>Item</b>	<b>Responsible/speaker</b>
09:00-12:00	Workshop, session 4 <ol style="list-style-type: none"> <li>1. The CFB boiler at Amager Unit 4 – design, water chemistry, supervision, commissioning</li> <li>2. FGC treatment at Amager Unit 4 – design and first experiences</li> <li>3. The boiler at ARC – design, water chemistry, supervision, commissioning</li> <li>4. FGC treatment at ARC – design and first experiences</li> <li>5. Intro to ARC, safety rules during visit</li> </ol>	Klaus Friberg, COWI  Henrik Olsson, Sweco  Tina Madsen/Sofiane Attou, ARC Tina Madsen/Sofiane Attou Tina Madsen/Sofiane Attou
12:00-13:30	Lunch and transfer to ARC/Amager Bakke	
13:30-15:00	Plant visit at ARC/Amager Bakke	

## 5. SIAPWS Events

There has been some discussion of the balance between SIAPWS events on the Nordic and national plan (Matarvattensektionen counting as SIAPWS Sweden). All EC members have experienced the workload of being involved in activities on both levels, and much effort has been put into getting the national organisations in Finland and Denmark up and running. As a discussion point Karsten had proposed a guideline for future Nordic activity along these lines:

- Every third year each national organization is main responsible for the SIAPWS general meeting and the associated workshop/symposium
- The two other national organisations support the organization of the annual meeting including the workshop/symposium
- The two other national organisations strive to organize another event on the Nordic level – either as a physical or an electronic/web-event, e.g.:
  - Workshop on a technical matter, either physically or electronically
  - Web-based course – development of a course
  - Technical documentation of common interest, e.g. analytical methods or “smart” treatment of data
  - Orientation by member companies of their activities, e.g. if you want input for certain operational problems or want to find partners for R&D.
  - ...

This should not be at the level of obligation, in practice it may be difficult to fulfil every year, e.g. in 2020 with all the Corona disturbance around. The intention coincides with the SIAPWS Vision and Mission. The proposal is to post it as an intention, then try it out for a year or two and then evaluate.

## **6. Miscellaneous**

- Karsten showed the work done on the SIAPWS Website: [www.blog.siapws.org](http://www.blog.siapws.org).
- Karsten tries to reboot the work on the TGD on FGC-treatment. He has sent out new material and figures a couple of weeks ago and is now trying to fix a date for a Skype-meeting in the task group.
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## **7. Next EC meeting**

- Not agreed on. Monika will find a date in April to catch up with the planning of the workshop/symposium in August – the summer months are expected to be idle.