



**1. Update since last meeting**

- No comments.

**2. Matarvattenkonferensen 2019**

- It was a good conference with good discussions.
- The morning session with Bo Ramsbäck on feed water chemistry was yet again a success. The session drew many attendees.
- The number of participants were less this year (day one = 96, day two = 83) in comparison to last year (day one = 125 and day two = 90). But last year was also a record year.

**3. SIAPWS Annual Meeting 18.19. March 2020**

Venue

- IDA conference rooms in Copenhagen

Budget

- 2500 EUR for 30 people – Monika will make the final reservation.  
The fee for participating will be 0 EUR. We do have the money for covering the costs of the meeting.

Preliminary program

- DAY 0 (17. March)  
EC dinner
- DAY 1 (18. March)  
EC meeting before the workshop (08:30-10:00)  
Annual meeting (10:00-12:00)  
Lunch (12:00-13:00)  
Workshop (13:00-17:00)
- DAY 2 (19. March)  
Workshop (09:00-12:00)  
Lunch (12:00-13:00)  
Visit to Amager Power Plant (13:00-15:00) (we will ask Henrik Rostgaard about this)
- Topics for the workshop  
Paul McCann - short about BIAPWS, experiences with FFA on CCGT plants  
Another FFA presentation - any experiences in Sweden yet? Roger/Niklas  
Henrik Olsson - commissioning of flue gas condensate treatment at AMV4  
NN/KNTH - commissioning of water-chemistry at AMV4  
District heating - bacterial growth - partial cleaning by RO - pilot project on use of glass filter material as pre  
Distribution of rinsed FGC through district heating systems - Finnish & Danish experiences  
IAPWS tasks  
Jordbro experiences with FGC treatment - adaption of plant  
See the first, rough outline of a program below

#### **4. EC Action list**

##### SIAPWS website

- COWI Lithuania involved, they have a person with some experience, but not a superuser. Wages are lower in Lithuania, so even if more hours are spent, it will be affordable. COWI will use this as internal upgrading of staff also, and only an amount not larger than the budget for this will be charged.

Karsten has made a new version of the website outline (circulated with the minutes) and will arrange a Skype meeting with Nuuti and the person from COWI Lithuania.

We agreed to move forward with this.

##### National groups - status

###### *SIAPWS Danmark*

- Annual meeting and Workshop on 7. February in Kolding. The venue will be at the Danish District Heating Association in Kolding.

Program is finished and will focus on district heating and FGC.

###### *SIAPWS Suomi*

- Annual meeting will be at Naantali Power Plant in February, one day meeting.

New members are still coming, and several are interested.

###### *Matarvattensektionen*

- No comments.

##### Short newsletter/info material

- First announcements of the annual meeting when the program is taking form + technical topic on the Legionella workshop in September with highlights.

#### **5. Miscellaneous**

- Jere's company has been bought by Caverion, a bigger maintenance company. Jere sees this as a positive change.
- Jani Vuorinen has preserved his private company for a long-time standstill and is now work for KL Lämpö as a technical consultant.

#### **6. Next EC meeting**

- Late January – Monika will make a Doodle for the next meeting.

Outline of program for SIAPWS Annual Meeting 2020 (red text - input from Sweden, please)

Time	Content	Remark
17 March evening	Possible informal EC meeting together with dinner	Depends on travel plans
18 March 8:00-9:30	EC meeting (Paul McCann as guest possibly)	
9:30-10:00	Coffee and get-together-small-talk	
10:00-12:00	SIAPWS Annual Meeting The formal stuff Information on IAPWS	
12:00-13:00	Lunch	
13:00-15:00	Workshop, session 1 Paul McCann: What we do chemistry-wise in UK & Ireland, BIAPWS Paul McCann: Experiences with FFA at CCGT plants in UK NN1: Application of FFA according to the TGD NN2: FFA at plant X - current considerations	
15:00-15:30	Coffee break	
15:30-17:00	Workshop, session 2 NN3: Bacterial growth in district heating systems - how to detect and react Pilot test of filtration of district heating water ahead of RO - glass filter material may substitute UF Distribution of rinsed FGC through district heating systems - Finnish & Danish experiences NN4: Comparison of guidelines for district heating water in the Nordic countries	
19:00-22:00	SIAPWS dinner for all attendees (self-paid!)	
19 March 9:00-12:00	Workshop, session 3 NN5 (Calle/Linda): Jordbro experiences with FGC treatment - adaption of plant Henrik Olsson: FGC treatment at AMV4 - design and first experiences Klaus Friborg: The CFB boiler at AMV4 - design, water chemistry, supervision, commissioning NN: Intro to the new CHP at Amagerværket, AMV4, safety rules during visit	
12:00-13:00	Lunch and transfer to Amagerværket	
13:00-15:00	Plant visit at AMV4	Optional point