

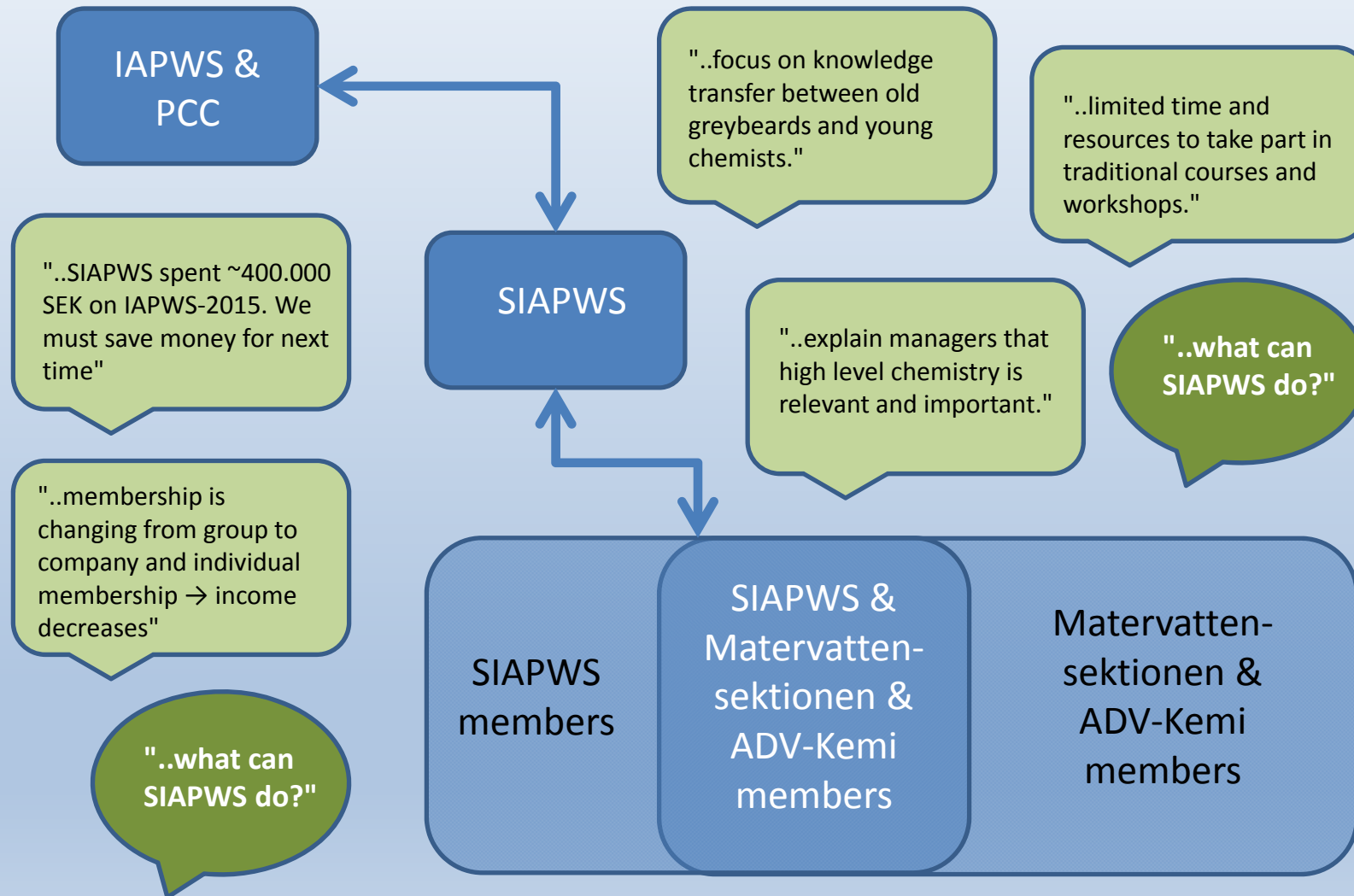


Update on Water Chemistry Network

Karsten Thomsen, SIAPWS Chair
COWI A/S

SIAPWS Annual Meeting
Brista CHP, 30 March 2017

SIAPWS annual meeting 2016 – discussion and ideas



Introducing "SIAPWS Water Chemistry Network"

- Vision
 - To establish a Scandinavian network of colleagues working with water chemistry and water treatment for use in energy or industrial applications, thereby facilitating exchange of knowledge and experience
- Mission
 - Establishing a network of professional colleagues across Scandinavia for:
 - Exchange of knowledge and experience on water chemistry and water treatment
 - Education – transfer of knowledge from experienced to young colleagues
 - Identifying common problems for discussion/workshops/further actions/R&D
 - Operating the network primarily through modern electronic media, thereby:
 - Connecting colleagues spread all over Scandinavia, but with comparable challenges
 - Allowing rapid information exchange – day-to-day advice and sparring on acute operational problems
 - Initiating a series of low-cost, time efficient workshops and/or courses for in-depth treatment of actual or fundamental topics.

Process introducing the SIAPWS Water Chemistry Network

Basis & back-up

- Dialogue with EC of Matarvattensektionen and ADV Kemi
- Common purpose – no competition on this field
- Funding the time spent on start-up of the network (Matarvattensektionen and SIAPWS?)

Introduction to colleagues

- Letter to chemistry responsible at plants
- Presentation at Varmekraftkonferensen and Matarvattenkonferensen
- Use of personal networks

Networks in action

- First net open to all members of the sponsoring organisations – topics: Common operational problems and experience – language: Your own language/English
- **Second net open to SIAPWS members only – topics: More advanced treatment, materials from IAPWS, BIAPWS etc. – language: English**

Workshops & courses

- Electronic workshops/courses on regular basis – topics from the forums (fee for participation necessary)
- Courses – organised route through material covering separate areas/topics (fee for participation necessary)
- Physical workshops (fee for participation necessary)

SIAPWS WEBPORTAL

COWIportal / Projects / SIAPWS Webportal

Newsfeed

Start a conversation



Karsten Normann Thomsen

Minutes from the IAPWS 2016 meeting in Dresden is now on the webportal, see [IAPWS-2016 minutes](#)

12 October Like Reply ...

My inputs

+ new item

✓ Edit Title Sub-topic Title Abstract Link to document or webpage Date Origin Keywords Author

▸ Main topic: Cooling water systems (1)

▸ Main topic: Materials & interfaces (1)

▸ Main topic: Physical-chemical properties (1)

▸ Main topic: Various (1)

▸ Main topic: Water treatment (1)

ERFA material

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▸ Main topic: Cooling water systems (1)

▸ Main topic: Materials & interfaces (1)

▸ Main topic: Physical-chemical properties (1)

▸ Main topic: Various (1)

▸ Main topic: Water treatment (1)

▾ Main topic: Water-steam chemistry (12)

▾ Sub-topic: Case study, demonstration (1)

The journey to world class cycle chemistry for a conventional fossil plant via IAPWS TGDs

A case story on the conversion of the chemistry at a run-down power plant on the Philippines to match the mode of operation described in the IAPWS TGD's.

Addison-World-Class-Chemistry-by-TGDs

David Addison

12/09/2016

TGD application; chemistry improvement; empowerment

IAPWS-2016

▸ Sub-topic: Conditioning (8)

▸ Sub-topic: Corrosion and corrosion products (3)



About SIAPWS Water ChemistryNetwork

Vision

- To establish a Scandinavian network of colleagues working with water chemistry and water treatment for usein energy or industrial applications, thereby facilitating exchange of knowledge and experience

Mission

- Establishing a networkof professional colleagues across Scandinavia for:

Facebook interface showing a group page for "SIAPWS (Open)".

Navigation Menu (Left):

- Karsten Thomsen
- Nyheder
- Messenger
- GENVEJE
 - SIAPWS (Open) ...
 - MTB Dronninglund 3
 - SIAPWS (Member fea)
 - La cabeza hacia aba... 1
 - Gamle billeder fra ålb...
 - Dronninglund Motion...
 - Grundejerforeningen...
- UDFORSK
 - Grupper
 - Bogivenheder
 - Sider
 - Vennelister
 - Denne dag
 - Prik
 - Billeder
 - Spil
 - Foreslå ændringer
 - Se flere ...

Post 1 (Top):

Karsten Thomsen har overført en fil.
12. februar

SIAPWS Newsletter 2017-2 er på gaden, se det herunder. Fokus er på jernmåling og den igangværende revision af IAPWS TGD'en om Corrosion Product Sampling og analysis.

File: NewsLetter-2017-2.pdf (PDF)

Buttons: Download, Forhåndsvisning, Overfør revision

Interactions: Synes godt om, Kommenter

Comment: Jørgen Peter Jensen (Set af 9)

Post 2 (Bottom):

Monika Nielsen
10. februar

Våd konservering med N2-pude...
hvor rent skal vandet være mht O2??
Er <20 ppb påkrævet eller vil <50 ppb være tilstrækkelig?
Jeg kan ikke finde nogle anbefalede værdier i VGB standarden.

Interactions: Synes godt om, Kommenter

Set af 13

List of course titles

- Format
 - Skype sessions of 1-2 hours length. Slides/pictures/question and answers available afterwards
- Proposed titles – water chemistry in a broad sense
 - Combined course in corrosion and water chemistry. Lesson 1 focuses on corrosion fundamentals, lesson 2 on those mechanisms in relation to water chemistry and components.
 - Combined course and workshop on instrumentation for flue gas condensate treatment plants
 - Courses in IAPWS TGD's – review of the TGD's, discussion on practical use of them
 - Course in the new Swedish Handbook on Water Chemistry for Energy Production Plants

Discussion

- What do you think of:
 - The introduction so far – what did we do good or bad?
 - How do we get more colleagues involved?
 - What are the obstacles – price of membership, missing time, wrong format, wrong agenda?
 - How could we improve the communication?