

## SUNNDALSØRA OCTOBER 16<sup>th</sup>-17<sup>th</sup> 2024

### WEDNESDAY

Registration in the foyer of Sunndal kulturhus from 09:00

Excursion to the RAS facilities at Nofima 10-11:00

Lunch 11-12:00

Opening by the Norwegian Ministry of Trade, Industry and Fisheries 12:00  
Together for a safe and successful post smolt production  
Genetics adapted to new operating practices and innovation

Even Tronstad Sagebakken (NFD)  
Christian Rønning (Pure Salmon Technology)  
Kate Furhovden Stenerud (Benchmark)

Coffee break i the exhibition area

### Session 1: Experiences and possibilities with production of post smolt 13:45-14:45

Is today's smolt production the smolt production of the future?  
Experience with production and use of post smolt  
Experience with post smolt production in floating closed facilities at sea  
Experience and possibilities with production of post smolt

Per Anton Sæther (Åkerblå)  
Øyvind Opdahl Viga (Tytlandsvik Aqua)  
Siri Vike (Ovum)  
Timo Rosche (Grieg Seafood)

### Panel debate: How can politics, research and industry interact to reduce mortality? 14:45-15:15

Facilitator: Morgan Lillegård (Nofima)

Coffee break i the exhibition area

### Session 2: Smolt production 16:15-17:45

Results from testing measures against nephrocalcinosis in facilities - and ongoing research  
Kidney function in salmonids - effect of photoperiod and salinity during smolt development  
Light control and smoltification - is it really that hard?  
How does production system, temperature and salinity in the freshwater phase affect the salmon's performance at sea  
Innovative methods for oxygenation in smolt production

Christine Klykken (Aqua Kompetanse)

Marius Takvam (NORCE)  
Tom Ole Nilsen (UiB)

Anja Striørn (Nofima)  
Roman Netzer (Sintef)

Exhibition and welcome drink 17:45-19:00

Conference dinner at Hydro 19-22:00

### THURSDAY

Morning coffee in the exhibition area from 08:00

Sum up of CtrAQUA SFI in Sunndal kulturhus 08:30

Åsa Espmark (Nofima)

### Session 3: Feed and feeding in RAS 08:45-09:45

'Wining and dining' in RAS  
The importance of feed for water quality in RAS  
Omega-3 in RAS and flow-through systems  
RAS 4.0: Feeding in RAS

Erik-Jan Lock (Nofima)  
Andre Meriac (Nofima)  
Bente Ruyter (Nofima)  
Jelena Kolarevic (UiT/Nofima)

Coffee break i the exhibition area 9:45-10:45

## Session 4: Fish health and welfare in RAS - biggest challenges 10:45-12:15

Animal welfare: It is not a choice, but a premise for growth in the industry  
Gas bubble disease - cause and significance  
Biosecurity breach and disinfection in Atlantic salmon brackish water RAS  
Evaluating the effects of nitrate-nitrogen concentrations with heart rate bio-loggers  
MortCam AI for Proactive Mortality Monitoring and Fish Health Management

Astrid Buran Holan (ScaleAQ)  
Alf Seljenes Dalum (Aqua Kompetanse)  
Carlo Lazado (Nofima)  
John Davidson (Freshwater Institute)  
Rakesh Ranjan (Freshwater Institute)

Lunch 12:15-13:15

## Session 5: Water quality in RAS 13:15-14:45

The effect of particles in RAS on water quality, water chemistry and microbiota  
Comparison of water quality in RAS and flow-through systems  
CO<sub>2</sub> and nephrocalcinosis in rainbow trout  
Ozone application in RAS: consequences for fish health and performance  
Approaches for carbon dioxide degassing unit automation  
Summary of the conference

Paulo Fernandes (NIVA)  
Øyvind Mikkelsen (NTNU)  
Ingrid Lein (Nofima)  
Christopher Good (Freshwater Institute)  
Kevin Stiller (Nofima)  
Jelena Kolarevic (UiT/Nofima)

**If you have questions about the conference, please contact us:**

Ane Wennevold, Sunndal Næringsselskap, about practical issues:  
Tel: +47 990 33 687, or e-mail: [ane@suns.no](mailto:ane@suns.no)

Trine Ytrestøyl, Nofima, about the programme:  
Tel: +47 412 29 744, or e-mail: [trine.ytrestoyl@nofima.no](mailto:trine.ytrestoyl@nofima.no)

Ingrid Lein, about stands:  
Tel: +47 934 19 441, or e-mail: [ingrid.lein@nofima.no](mailto:ingrid.lein@nofima.no)

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