

Workshop on Water reuse in the dairy industry - Regulation, technology and control

The overall **objective** of the workshop is to

- inform the participants in the three projects of results and activities in each of the projects
- discuss the challenges in water reuse
- foster an increased cooperation between participants across the projects boundaries.

Participants in the projects: Water Efficient Dairies, REWARD and DRIP

Workshop programme- morning session

- 10:00-10:10 Welcome – introduction and objective of the meeting
- 10.10-10.35 Short introduction to REWARD, DRIP and Water Efficiency Dairies
- 10:35-11:20 Practice for water reuse in dairies
 - - “Water reuse, HACCP and control in Arla, Danish Protein” *by Arne Larsen, DP*
 - - “A dairy with a closed water loop in Argentine” *by Knud Holk, Arla*
 - - “Water reuse in Friesland Dairy in the Netherlands” *by Finn Skov Nielsen, Krüger*
- 11:20-12:20 Dairy product water, contents and potential risks associated with reuse
 - - “HACCP applied to water reuse in dairies” *by Susanne Knöchel, KU FOOD*
 - - “Chemical and microbial content and growth potential of milk water from RO filtration of milk” *by Peter Bæk Skou and Stina Dissing Aunsberg, KU FOOD*
 - - “Grundfos Biobooster/BACMON results from water reuse projects in the dairy industry” *by Søren Nøhr Bak, Grundfos*
- 12:20-13:00 Lunch

Workshop programme-afternoon session

- 13:00-13:50 Regulation of water reuse
- “Regulation of water reuse in dairies - Implementation and administrative practice in Denmark” by *Zanne Ditlau, Fødevarestyrelsen*
- “Approach in Belgium” by *Lien Callewaert, Food Law Manager, De Belgische Confederatie van de Zuivelindustrie*
- 13:50-14:20 Challenges and perspectives
- - “National Guide for water reuse – Control, monitoring and documentation of water reuse” by *Claus Heggum, Danish Agriculture & Food Council*
- - “Translation of national guide into practical implementation - exemplified by a case study in Thise Dairy” by *Martin Andersen, DHI*
- 14:20-15:10 Facilitated group discussions
- The groups will discuss the need for additional knowledge and documentation and how the three projects can contribute to obtain this.
- Themes for discussion: Regulation of water reuse, technologies for water reuse, monitoring and control of water reuse.
- 15:10-15:30 Presentation of results of group discussions
- 15:30-15:50 Coordination of future work
- 15:50-16:00 Closing of the workshop