



Modelling, tools and technology Uncertainty and future challenges

Schedule

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| 09:00-09:20 | Modelling of river basins: scenarios - highlights from SCENES project. <i>Juha Kämäri (SYKE)</i> |
| 09:20-09:40 | Integrated modelling of climate change effects - Nitrogen from mountains to fjord <i>Øyvind Kaste (NIVA)</i> |
| 09:40-10:00 | Uncertainties associated to responses of fish bio-indicator to environmental factors and human disturbances in rivers - consequences of global warming on good ecological status. <i>Didier Pont, Pierre Bady and Maxime Logez (Cemagref)</i> |
| 10:00-10:20 | Reference conditions in WFD - is the concept still valid under climate change? Lessons from coastal systems. <i>Daniel Conley (Univ. of Lund) and Carlos Duarte (IMEDEA)</i> |
| 10:20-10:50 | <i>Coffee break</i> |
| 10:50-11:10 | Reference conditions - ecological lessons from the past. <i>Rick Battarbee (UCL)</i> |
| 11:10-11:30 | The WFD Explorer: planning kit to support implementation of WFD. <i>Joost Icke and Harm Duel (Deltares)</i> |
| 11:30-11:50 | Session 2 discussion |

Guiding questions

1. What aspects of climate change are (or should be) included in the tool / method presented?
2. How can the tool / method support / influence the development of the RBMs (2009, 2015.)?
3. What does the tool / method integrate? What further integration is desired or foreseen?
4. What are the main uncertainties of the tool / method? Which aspects need additional research?