

## **Phosphorus management and material flow analysis**

### **Ola Stedje Hanserud**

Norwegian Institute of Bioeconomy Research (NIBIO), P.O. Box 115, NO-1431 Ås,  
Norway, ola.s.hanserud@ntnu.no

To manage phosphorus (P) on different spatial scales there is a need to know its flows and stocks: between which compartments is P moving in the food chain and where is it stored? One important use of such information is to identify potentials for recycling of secondary P. For this, material flow analysis (MFA) is a well suited method based on the principle of mass balance. Examples from Norway of the application of MFA on the national and regional level are presented as well a possible integration of P quality aspects, i.e. plant availability, with the MFA method. It seems to be a great theoretical potential for recycling of secondary P in Norway.