**Lillian Øygarden** is a researcher in Department « Soil and Land use«. She has long experience in working with environmental monitoring of agricultural catchments, especially with runoff, erosion and nutrient losses. She has been coordinator of several projects on agricultural management methods and challenges for increased production. She has been coordinating NIBIO involvement in different committies related to agriculture, climate and reduction of greeenhouse emissions. She is currently cooordinator of NIBIO Climate Forum. Her presentation will give an overview of adaptation strategies in agricultural landscapes.