

## アグリバイオインフォマティクス教育研究ユニット

平成 25 年 1 月 29 日 13 : 00~15 : 00

講師 : Dr. Ep Heuvelink(Wageningen University)

演題 : 「Modern Greenhouse Crop Production - Physiology and Management 」

教室 : 東京大学農学部 7 号館 A 棟 7 階 716 号室 (会議室)

要旨 : Dutch greenhouse industry is leading in the world and achieves very high production levels. In this seminar the reasons for these high production levels are discussed. Emphasis is on the environmental factors: natural and supplementary light, temperature, carbon dioxide and humidity and the root environment. How are these factors controlled, and how do they influence crop yield. The latter question is discussed based on underlying processes like photosynthesis, leaf area development and assimilate partitioning. The importance of maintaining a balance between the different growth factors and the need for analysing which factor is limiting production is made clear. Greenhouse equipment and modern crop management is presented. The relevance of semi-closed greenhouses for further improvement of production is shown.