Name SURNAME: Jos BALENDONCK			
Function:	Researcher		
Institution:	Wageningen University and Research (WUR)	□ Funding Agency □ Programme Manager	
Email:	jos.balendonck@wur.nl		
Phone:	+31 317-48 32 79		
Division			

Areas of Expertise:

He is a senior researcher on wireless and dielectric sensor technology, bio-monitoring and control applications in the area of irrigation and climate. He coordinated two EC-projects on efficient irrigation management involving sensor technologies: FLOW-AID (FP6) and WATERMAN (FP4), and is currently co-ordinator of a European project on a sweet pepper robotic harvester (SWEEPER, H2020). He works on several (inter-) national projects devoted to the reduction of water and nutrient emissions from greenhouses related to the Water Framework Directive (f.i. the AquaTag project in Turkey); Sensor and model-based irrigation scheduling when using low-quality or saline water; Soil humidity and salinity dielectric sensors (co-inventor of the WET-sensor). Currently he is task-leader of the theme drought management within the European Action group WIRE.

Short Description of your Institution:

Wageningen Research (formerly DLO; before Sept. 6th, 2016) is part of Wageningen University and Research (WUR) and a collaboration between Wageningen University, and specialized research institutes. By integrating knowledge on agricultural systems, crop protection, crop ecology, genetics and reproduction, WUR serves the entire agro-production chain with scientific products and system concepts. WUR is worldwide a main source of articles in leading scientific journals. WUR-Greenhouse Horticulture (WUR-GH) is the division working for the horticultural industry with over 70 dedicated researchers, 5 labs and 70 greenhouse compartments for experiments located in Bleiswijk (NL). This experimental greenhouse incorporates the “Innovation and Demonstration Centre for Water”. Here, innovative water technologies and sustainable strategies are developed, tested and demonstrated at commercial scale under standardized conditions in research facilities for sensor activated irrigation scheduling, reuse of good quality nutrient solutions, optimizing nutrition, water efficient growing systems, and purification for elimination of pesticides and nutrients from discharge water. At this centre the sensors and cleaning technologies will be evaluated.

Role in the project:

Leader of WP6 on Dissemination and Task Leader on semi-practical scale evaluation for the sensors (WP3)

Date, 16/03/2017