



## PLANTOID Strep Project

“Innovative Robotic Artefacts Inspired by Plant Roots for Soil Monitoring”

Grant agreement no. 293431

### PLANTOID Kick-off Meeting June 7-8, 2012

**University of Florence, Faculty of Agriculture, Piazzale delle Cascine, Florence**

#### **DAY 1 - June 7**

Note: This part of the meeting is aimed at discussing, agreeing, and planning the project activities, with specific reference to the next six months.

Each WP leader is asked to give a presentation of the WP under his/her responsibility, so as to illustrate the way the WP will be carried out in the next period. Special attention should be paid to the interaction with the other partners involved in the WP and the coordination of the different WP tasks. This includes in some cases collecting a summary of the contributions from the partners involved for the presentation before the meeting, or even sharing the presentation time at the meeting. Partners will give short presentations on specific activities to perform within WPs, when applicable.

Each WP is allowed additional 10 minutes for discussion.

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|---------------|---|
| 9:30 – 9:40   | Welcome and short introduction of the day<br>Barbara Mazzolai, IIT, Project Coordinator   |
| 9:40 – 10:20  | Short Partners presentation (10 min each)<br>Barbara Mazzolai, IIT<br>Josep Samitier, IBEC<br>Stefano Mancuso, UniFi<br>Dario Floreano, EPFL                                  |
| 10:20 – 10:40 | Overview of the PLANTOID Project<br>Barbara Mazzolai, IIT   |
| 10:40 – 11:00 | WP1 - Management<br>Gabriele Ballero, IIT   |
| 11:00 – 11:20 | <i>Coffee Break</i>   |
| 11:20 – 12:00 | WP2 - Biology-Engineering synergy<br>Dario Floreano, EPFL, WP2 Leader (20 min including IIT and IBEC contributions)<br>Stefano Mancuso, UniFi (10 min)<br>Discussion (10 min) |
| 12:00 – 12:30 | WP3 - Specifications and integrated design of the PLANTOID artefact<br>Barbara Mazzolai, IIT, WP3 Leader (20 min)<br>Discussion (10 min)                                      |

- 12:30 – 13:10 WP4 - Focused research on plant root movements and communication  
Stefano Mancuso, UniFi, WP4 Leader (20 min)  
Barbara Mazzolai, IIT (10 min)  
Discussion (10 min)
- 13:10 – 14:30 *Lunch*
- 14:30 – 15:00 WP5 - Actuation systems for the PLANTOID artefact  
Barbara Mazzolai, IIT, WP5 Leader (5 min)  
Virgilio Mattoli, IIT (15 min)  
Discussion (10 min)
- 15:00 – 15:40 WP6 - Sensory systems for the PLANTOID artefact  
Josep Samitier, IBEC, WP6 Leader (20 min)  
Lucia Beccai, IIT (10 min)  
Discussion (10 min)
- 15:40 - 16:20 WP7 - PLANTOID behavioural architecture  
Dario Floreano, EPFL, WP7 Leader (20 min)  
Antonio Ascricchi, IIT (10 min)  
Discussion (10 min)
- 16:20 – 16:40 *Coffee break*
- 16:40 – 16:50 WP10 - Dissemination and Exploitation  
Barbara Mazzolai, IIT, WP10 Leader (10 min)
- 16:50 – 17:00 Conclusions
- 20:00 *Social Dinner*

## **University of Florence, Faculty of Agriculture, Piazzale delle Cascine, Florence**

### **DAY 2 - June 8**

- 9:30 – 10:00 Plantoid Project overview  
Barbara Mazzolai, IIT, Project Coordinator
- 10:00 - 10:30 Pleased Project overview  
Andrea Vitaletti, WLab, Pleased Coordinator
- 10:30- 11:30 Discussion coordinated by project coordinators  
All
- 11:30- 12:00 *Coffee break*
- 12:00 – 13:00 Plans and tools for future collaborations  
All
- 13:00 *End of the two-day meeting*