SLOPE

Integrated processing and control systems for sustainable forest production in mountain areas

Kick off meeting

AGENDA (V02)

08-09 January 2014
The consortium

Rationale of the meeting

The project kick-off meeting will be held in Trento, and will last two full days (08 and 09 Jan).

Partners should travel to Trento the day before the meeting and leave the city the day after it finishes.

The meeting will be articulated in four sections:

1) Introduction to the project and short presentation from the partners (templates to be provided by GRAPHITECH)

2) Presentation of technical Work Packages by the WP leaders. This will include a presentation of the overall strategy and detailed plan of the activities of each WP defining what will be done at task level. Presentation of Technical tasks WP1, WP2, WP3, WP4 and WP5, which start soon, will be allocated longer time to ensure a comprehensive description of the activities planned for the next few weeks. GRAPHITECH will provide a template with guidelines in order to make clear the work to be done.

3) Openness, awareness & dissemination activities. The WP leader in charge of this specific activity will be asked to propose a list of categories to be considered and how to keep track of Key Performance Indicators (KPIs).

4) Project management.
DAY 1

PART 1: INTRODUCTION TO THE PROJECT
08.30 - 09.30

- Welcome and Overview of project by the project coordinator (25 min):
  - The project handbook.
  - Presentation of the management structure.
  - Appointment of roles:
    - WP leaders,
    - Task leaders,
    - Members of the General Assembly
    - Members of the Stakeholders Board
- Communication practices (incl. mailing lists).
- Document/data sharing infrastructure.
- Reporting procedures, including:
  - Overall approach.
  - Reporting procedures.
  - Per partner/WP report template explanation.
  - Financial reporting.
- Administrative, financial issues and payment schedule by the EU project officer Carmine Marzano (35 min)

PART 2: PRESENTATIONS FROM THE PARTNERS
09.30 - 11.10

Partners’ presentation (10 min each)
Each presentation must include a description of:
- The institution
- Overview of the role in the project
- Personal view of the partner toward the project
- Responsible persons

1. GRAPHITECH
2. CNR
3. KESLA
4. COASTWAY
5. MHG
6. BOKU
7. FLYBY
8. GREIFENBERG
9. TREEMETRICS
10. ITENE

11.10 - 11.30: COFFEE BREAK

PART 3: WORK PACKAGE INTRODUCTION
11.30 - 13:00

WP1: Definition of use cases, requirements and system architecture (by MHG) (10 min)
The presentation will include a detailed plan of the activities for each task, including, but not limited to:
- Fine-grained timeline
- Interim delivery stages (with dates)
- Partners’ role & contributions
- Risks and mitigating actions.

Since WP1 starts at M01, the presentation will also include an outline of the various documents foreseen as deliverable.

Presentation of tasks:
T.1.1 - Users and System requirements (by ITENE) (15 min)
T.1.2 - Hardware and equipment definition. (by KESLA) (15 min)
T.1.3 - Human Machine Interface (HMI) definition. (by GRAPHITECH) (15 min)
T.1.4 - Mountainous Forest inventory data model definition (by CNR) (15 min)
T.1.5 - System Architecture (by MHG) (15 min)
Discussion (20 min)

13.00 - 14.00: LUNCH

14.00 - 16.00

WP2: Forest information collection and analysis (by COASTWAY) (10 min)
The presentation will include a detailed plan of the activities for each task, including, but not limited to:
- Fine-grained timeline
- Interim delivery stages (with dates)
- Partners’ role & contributions
- Dependencies between activities
- Risks and mitigating actions
Since WP2 starts before to the next project meeting, the presentation will also include an outline of the various documents foreseen as deliverable.

Presentation of WPs:
T.2.1 - Remote sensing and multispectral analysis (by FLY) (15 min)
T.2.2 - UAV data acquisition and processing (by COASTWAY) (15 min)
T.2.3 - On-field digital survey systems (by TRE) (15 min)
T.2.4 - 3D Modelling for harvesting planning (by GRAPHITECH) (15 min)
T.2.5 - Road and Logistic planning (by ITENE) (15 min)
Discussion (20 min)

**16.00 - 16.15: COFFEE BREAK**

**16.15 - 18.15**

WP3: Integration of novel intelligent harvesting systems operating in mountain areas (by GREINFERBERG) (10 min)
The presentation will include a detailed plan of the activities for each task, including:
- fine-grained timeline
- interim delivery stages (with dates)
- partners’ role & contributions
- dependencies between activities
- risks and mitigating actions.

Presentation of WPs:
Task 3.1 - Intelligent tree marking (by CNR) (15 min)
Task 3.2 - Intelligent tree felling/hauling (by GRE) (15 min)
Task 3.3 - Intelligent Cable crane (by GRE) (15 min).
Task 3.4 - intelligent processor head (by KESLA) (15 min).
Task 3.5 - Intelligent transport truck (by ITENE) (15 min)
Task 3.6 - Data management back-up (by MHG) (15 min)
Discussion (20 min)
DAY 2

PART 4: WORK PACKAGE INTRODUCTION

08.30 - 10.30

WP4: Multi-sensor model-based quality control of mountain forest production (by CNR) (10 min)
The presentation will include a detailed plan of the activities for each task, including, but not limited to:
- fine-grained timeline
- interim delivery stages (with dates)
- partners’ role & contributions
- dependencies between activities
- risks and mitigating actions.

Presentation of WPs:
T.4.1 - Data mining and model integration of stand quality indicators from on-field survey for the determination of the tree “3D quality index”. (by TRE) (15 min)
T.4.2 - Evaluation of near infrared (NIR) spectroscopy as a tool for determination of log/biomass quality index in mountain forests (by CNR) (15 min)
T.4.3 - Evaluation of hyperspectral imaging (HI) for the determination of log/biomass “HI quality index” (by BOKU) (15 min)
T.4.4 - Data mining and model integration of log/biomass quality indicators from stress-wave (SW) measurements, for the determination of the “SW quality index” (by CNR) (15 min)
T.4.5 - Evaluation of cutting process (CP) for the determination of log/biomass “CP quality index” (by CNR) (15 min)
T.4.6 - Implementation of the log/biomass grading system (by CNR) (15 min)

Discussion (20 min)

10.30 - 10.45: COFFEE BREAK

10.45 - 12.30

WP5: Forest information system development (by MHG) (10 min)
The presentation will include a detailed plan of the activities for each task, including, but not limited to:
- fine-grained timeline
- interim delivery stages (with dates)
- partners’ role & contributions
- dependencies between activities
- risks and mitigating actions.

Presentation of WPs:
T.5.1 - Database to support novel inventory data content (by MHG) (15 min)
T.5.2 - Platform for near real time control of operations (by TRE) (15 min)
T.5.3 - Online purchasing/invoicing of industrial timber and biomass (by MHG) (15 min)
T.5.4 - Short-term optimization: operational, ongoing and contingency planning (by BOKU) (15 min)
T.5.5 - Mid-long term optimization; strategic and tactical planning (by MHG) (15 min)

Discussion (20 min)

12.30 - 13.30: LUNCH

13.30 - 15.00

WP6: System Integration (by GRAPHITECH) (10 min)
The presentation will include a detailed plan of the activities for each task, including, but not limited to:
- fine-grained timeline
- interim delivery stages (with dates)
- partners’ role & contributions
- dependencies between activities
- risks and mitigating actions.

Presentation of WPs:
T.6.1 - Definition of the integration steps. (by GRAPHITECH) (15 min)

T.6.2 - First Integration - Forest inventory & harvesting systems (by GRAPHITECH) (15 min)

T.6.3 - Second integration - Forest management (by MHG) (15 min)

T.6.4 - Third integration - System validation (by GRAPHITECH) (15 min)

Discussion (20 min)

15.00 - 15.15: COFFEE BREAK

15.15 - 16.45

WP7: Piloting the SLOPE demonstrator (by BOKU) (10 min)

The presentation will include a detailed plan of the activities for each task, including, but not limited to:

- fine-grained timeline
- interim delivery stages (with dates)
- partners’ role & contributions
- dependencies between activities
- risks and mitigating actions.

Presentation of WPs:

T.7.1 - Definition of evaluation methodology (by BOKU) (15 min)

T.7.2 - Preparation of demonstrators (by ITENE) (15 min)

T.7.3 - Trials and validation cycle (by BOKU) (15 min)

T.7.4 - Training on the job (by CNR) (15 min)

Discussion (20 min)

16.45 - 17.30

WP8: Openness with other activities, dissemination and exploitation of results (by ITENE) (30 min)

This includes:

- Overall guidelines to awareness, networking and dissemination activities.

Discussion (15 min)

17.30 - 17.45

Closure of the day
Logistics

**Venue**

Fondazione Graphitech  
I-38123 Trento  
Street: Povo - Via alla cascata 56/C -

**Directions**

Information on how to get to the venue is available online at:
http://www.graphitech.it/contact

**Hotels in the area**

Partners should take care of their own travel arrangements. A few hotels in the areas from major chains are provided below for your convenience.

**Relais Villa Madruzzo**  
Via Ponte Alto, 25 - 38123 Trento - Cognola  
+39 0461 986220  
villamadruzzo.it/en/  
info@villamadruzzo.it

**Accademia Hotel******  
Vicolo Colico, 4/6 - 38122 Trento  
+39 0461 233600  
www.accademiahotel.it  
info@accademiahotel.it

**Aquila d’Oro******  
Via Belenzani, 76 - 38122 Trento  
+39 0461 986282  
www.aquiladoro.it  
info@aquiladoro.it

**Buonconsiglio Hotel******  
Via Romagnosi, 14/16 - 38122 Trento  
+39 0461 272888  
www.hotelbuonconsiglio.it  
hotelhb@tin.it

**Hotel America***  
Via Torre Verde - 38122 Trento  
+39 0461 983010  
www.hotelamerica.it/lang/EN/pagine/dettaglio/home,2/benvenuti,8.html  
info@hotelamerica.it