

InnovaWood General Assembly and Board meetings 2015 Zagreb , Croatia

Date: 10 - 11 June 2015
Venue: Faculty of Forestry, Zagreb University
Address: Svetošimunska cesta 25
10 002 Zagreb,
Croatia



InnovaWood General Assembly 2015 Summary

9 June	19.00 – 23.00	Arrival of members, informal get together in restaurant ...
10 June	08.30 – 12.30 13.30 – 17.30 17.30 – 23.00	InnovaWood General Assembly plenary Workshops and visit to research infrastructures Official InnovaWood dinner and Evening Programme
11 June	08.30 – 13.00 13.00 – 16.00	InnovaWood Thematic Groups workshops InnovaWood Thematic Groups workshops

InnovaWood General Assembly 2015

Day 1: 10 June

8.30 – 9.00	Registration
9.00 – 9.15	Introduction and Welcome
9.15 – 10.30	General Assembly Open General Assembly – President Minutes of the previous General Assembly Review of 2014 and outlook for 2015 <ul style="list-style-type: none">• Activity Report 2014• Financial Report 2014• Activity Plan 2015; Budget and Financial Forecast 2015
10.30 – 11.00	Coffee break
11.00 – 12.30	General Assembly Continued InnovaWood initiatives <ul style="list-style-type: none">• COST Action proposal preparation• ECAMOB commitment• Capability Register• Members projects survey• High Level meeting• SSP membership• FTP woodworking task force Composition of the IW Board General Assembly Resolutions AoB
12.30 – 13.30	Lunch
13.30 – 14.00	Presentation of new members + Poster session
14.00 – 15.30	Key Lectures <ol style="list-style-type: none">1. Innovative wood materials (Udo Seifried, BFH)2. Setting up a winning EU project proposal: Bertim (Nagore Tellado, Tecnalia)3. Ecolnflow: energy management for sawmills (Johannes Welling, Ti)
15.30 – 17.30	Zagreb Faculty of Forestry Presentations <ul style="list-style-type: none">- Enhancing EU-competitiveness of Croatian wood flooring industry- Development of higher education qualifications standards and study programmes on the basis of CROQF for wood industry sector- Presentation University of Zagreb, Faculty of Forestry- 1765-2015: celebration of 250 year of forestry in Croatia Guided visit to the facilities of the faculty of forestry – wood department
17.30 - evening	Evening event and dinner

InnovaWood General Assembly 2015

Day 2: 11 June

8.30 – 9.45	Workshop: InnovaWood COST Action proposal preparations <ul style="list-style-type: none">- Presentation and discussion of the proposed COST Action proposals
9.45 – 10.15	Coffee break
10.15 – 12.00	Workshop structured by Thematic Groups <ul style="list-style-type: none">- Working Group: developing a Roadmap on European hardwoods
12.00 – 13.00	Lunch
13.00 – 16.00	Workshop structured by Thematic Groups <ul style="list-style-type: none">- Working Group: Wood recycling, Cascade use of Wood and wood mobilisation Workshop T4F: Designing trees for the future <ul style="list-style-type: none">- Wood researchers input to the strategic research and innovation agenda
16.00 – 16.30	End of meeting departure participants

Acknowledgements

InnovaWood acknowledges the hosting and support for this meeting by the University of Zagreb, Faculty of Forestry.



InnovaWood Secretariat
European Forestry House
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B-1000 Brussels
Belgium

Invoice reference: **IWGA_2015_Luisa Maria Carvalho**

Invoice date: 3 June 2015
Payment due: 30 days

Remitter: Universidade do Porto - Faculdade de Engenharia
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4200-465 Porto
VAT 501413197

Contact person: Luisa Maria Carvalho
lhcarvalho@estv.ipv.pt

INVOICE

InnovaWood GA 2015

10 – 11 June 2015, Zagreb, Croatia

Reference	Description	Total cost (EUR)
IWGA_2015_Luisa Maria Carvalho	General Assembly 2015 Registration fee	150
	Total due (EUR)	150

Bank details:

Bank name: KBC

Bank address: Rue du commerce 87, B-1040 Brussels

Account name: InnovaWood.

Account number: 736/0022162/13

IBAN: BE08 7360 0221 6213

SWIFT/ BIC: KREDBEBB

Company ID number: 0828.085.535*

*InnovaWood is a non-profit association and therefore has a company ID number instead of a VAT number

Please Note:

- Please make sure your bank uses the Transaction Reference: **"IWGA_2015_Luisa Maria Carvalho"** when making the transfer so we can trace the source of each membership payment received
- Please arrange for your organisation to pay for the cost of the transfer



Certificate of Attendance

This is to confirm the attendance of the following person at the InnovaWood General Assembly and InnovaWood workshops held in Zagreb on 10 – 11 June 2015.

Participant's Name: Luisa Maria Carvalho

Further information about InnovaWood meetings may be obtained by contacting the InnovaWood secretariat.

Signed:

Date:

11 June 2015

Gus Verhaeghe

Secretary General
InnovaWood Secretariat

LightFillers

Development of low density particles for applications in automotive and furniture industries



Jorge Martins, Luísa Carvalho
DEMad - Department of Wood Engineering, ESTGV-Instituto Politécnico de Viseu, Portugal

Joana Pimenta, Fernão Magalhães
LEPABE - Faculdade de Engenharia, Universidade do Porto, Porto, Portugal

João Pereira, Sandra Monteiro, Ângela Dias
ARCP – Associação Rede de Competência em Polímeros, Porto, Portugal

João Ferra
EuroResinas – Indústrias Químicas, S.A., Sines, Portugal

Our goal

- ✓ Development of mechanically and thermally stable low density particles (**LDPs**);
- ✓ Incorporation of LDPs in:

Lignocellulosic based panels

not compromising:

- ✓ **Good mechanical properties**
(bending strength and internal bond)
- ✓ **Good resistance to axial withdrawal of screws**
- ✓ **Good quality of finishing**
(coating, edge lamination)
- ✓ **Good Machinability**

Thermoplastic matrixes

Low density fillers for thermoplastic components in automotive industry.

What are LDPs?

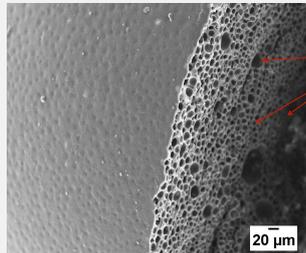
LDPs are lightweight polymeric particles made of crosslinked polyester with an internal multivesiculated structure filled with air.

LDPs for lightweight wood-based panels:

Particle size: 1–3 mm



SEM image of a fractured LDP:



Internal air-filled vesicles

LDPs for thermoplastics:

Particle size: < 100 μm



Wood-based panel with LDPs:



Ongoing studies

- ✓ Influence of important process variables on the final particle sizes and internal vesiculation;
- ✓ Rigidity as a function of temperature in order to obtain maximum performance when incorporated in the particleboards and submitted to hot-pressing;
- ✓ Evaluation of the optimum particle sizes for obtaining the intended compromise between panel density and internal bond strength.
- ✓ Production of a prototype component that will demonstrate the quality of the final product.