



Milano, 27/02/07

Dear Sir/Madam

We invite you to join us for the two day seminars of SUSTAINPACK Sub-project 2 and Sub-project 5 that will be held in “San Zeno”, Verona, Italy on 18-19 April 2007.

In the Seminars you will be updated on the most recent development concerning paperboard/linerboard packaging weight reduction and the new generation of sustainable composite materials for packaging application.

These seminars are open to Sustainpack partners but also to companies and general public. The participation is free of charge up to two persons for each Sustainapack partner organisation.

Herewith you will find the detailed programme as well as the registration form.

Looking forward to welcoming you in Verona next April

Dr. Graziano Elegir

SSCCP-Team Leader  
SP2 partner

Dr. Patrizia Sadocco

SSCCP- WP5.3 Leader  
SP5 partner



**Sustainpack SP2 Seminar**  
**“Latest innovation in cellulose packaging”**  
**18 April 2007 San Zeno, Verona, Italy**

9.00 Registration  
Opening remarks  
Tom Lindström, STFI-Packforsk

**Session: Paperboard weight reduction**

Overview of work package 2.2  
Agneta Fuhrmann, KCL

- Effects of fractionation and beating on bonding and tensile stiffness of board
- Speaker: Agneta Fuhrmann, KCL (Finland)
  
- Chemical routes for improving delamination resistance of CTMP
- Speaker: Mikael Ankerfors, STFI-Packforsk (Sweden)
  
- Effect of CMC-deposition on tensile stiffness/tensile strength of top-layers of board
- Speaker: Minna Blomstedt, TKK (Finland)
  
- Paperboard Demonstrator Project
- Speaker: Anders Brodin, Stora Enso (Sweden)

**Session: Linerboard weight reduction**

- Overview of work package 2.3  
Speaker: Lars Wågberg or Mikael Lindström, KTH (Sweden)
  
- Methods for measuring creep and fracture properties of paper
- Speaker: Petri Mäkelä, STFI-Packforsk (Sweden)
  
- Scientific characterisation of European corrugated board materials
- Speaker: Christer Fellers, STFI-Packforsk (Sweden)
  
- An enzymatic approach to lignocellulose fibre modification
- Speaker: Graziano Elegir, SSCCP (Italy)
  
- Influence of fibre properties and fibre modifications on creep properties of linerboard
- Speaker: Lars Wågberg and Mikael Lindström, KTH (Sweden)
  
- Use of furan resins in linerboard
- Speaker: Wim Mulder, A&F (Netherlands)
  
- Linerboard Demonstrator Project  
Speaker: Lars Wågberg or Mikael Lindström, KTH (Sweden)

17.00 End of the workshop



**Sustainpack SP5 Seminar**  
**“New generation of sustainable composite materials for packaging application”**  
**19 April 2007 San Zeno, Verona, Italy**

9.30 Registration

Opening remarks (Sustainpack overview)  
Christine Chirat EFPG (France).

Innovative sustainable fibre based packaging. Towards the replacement of conventional plastics.  
Patrizia Sadocco SSCCP (Italy).

Sustainable thermoplastic composite matrices.  
Cecilia Giardi Novamont SpA (Italy).

**Session 1 : The production and use of nanoparticles in composites**

Production of microfibrillated cellulose  
Mikael Ankerfors, STFI-Packforsk (Sweden).

The use of nanoclays in renewable packaging.  
Sheffield University (UK).

Production and potential applications of nanominerals/fibres hybrids.  
Carlos Pascoal Neto. University of Aveiro (Portugal).

The use of MFC in starch based cushioning.  
Lars Berglund, KTH (Sweden).

The use of nano-clays (and /or MFC) in composite films.  
Susana Aucejo ITENE (Spain).

**Session 2 : Fibre based thermoplastic biodegradable composites.**

Innovative composites based on modified cellulose fibres.  
Naceur Belgacem EFPG (France).

European Legislation for Food Contact: how to design a composite for compliance.  
Giovanna Ferrari, SSCCP (Italy).

"Fibre based cushioning material - processing options and mechanical properties".  
Jouko Niinimäki OULU University (Finland).

17.00 End of the workshop.



## Registration form Sustainpack Seminars, San Zeno Verona, Italy

Last Name	First Name
Title	Institution
Mailing Address	
Zip/Area code/City	Country
Phone/Fax	E-mail
Personal payment <input type="checkbox"/>	Institutional payment <input type="checkbox"/> (Name and address)

I like to participate in / register for:			COSTS
		Fees*	
Fees	18 <sup>th</sup> of April	204 €	.....€
	19 <sup>th</sup> of April	204 €	.....€
	Both days	360 €	.....€
	Students (identification required)	102 €	.....€
SUSTAINPACK partner (up to two persons)		0 €	0 €
<i>Total costs</i>			.....€

The fee (20% VAT included) covers buffet-lunch and coffee breaks.

Please send back this form to Alice Kindl:

Fax : +39-02-2365039)

Email : [akindl@sperimentalecarta.it](mailto:akindl@sperimentalecarta.it)).

Phone : +39-02.23955305

Dinner on the evening of April 18 <sup>th</sup> (to be paid at the registration desk)	50 €		.....€
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**Bank transfer stating “Sustainpack Seminar” to Stazione Sperimentale Carta bank account must pay the registration fee.**

**Make sure your name appears on the bank transfer! All banking fees have to be settled by the remitter, please use IBAN and BIC codes to reduce banking fees!**

IBAN code: IT42H0306909498000000019947

BIC code: BCITIT33120

DATE.....

SIGNATURE.....



STAZIONE  
SPERIMENTALE  
CARTA  
CARTON E  
PASTE PER CARTA



**Seminar location:** The seminar will be held at the “Istituto Salesiano di San Zeno” VERONA, Italy ([www.scuolagraficasanzeno.com](http://www.scuolagraficasanzeno.com)).

Address:

**Scuola Grafica e Cartaria «San Zeno»**  
**Via Don Giovanni Minzoni, 50**  
**37138 Verona - Italy**  
**Phone: 045.80.70.352**

**Dinner on April 18<sup>th</sup>:** Location of the dinner will be communicated later at the people who will register.

### **Short clues:**

Istituto Salesiano di San Zeno is just outside Verona near the stadium. It is easy to reach both from the airport and from the centre (see Railway station).

**from Verona Airport:** approximately 15 min by taxi to reach “San Zeno”

**Near Airports:** Milano, Bergamo, Venezia, Bologna. From all these cities you can reach Verona in approximately 1.30’ by train. For any additional information, please do not hesitate to contact us.

### **Milano airports.**

Linate: taxi to central station

Malpensa: bus to Milano Central station

**From Milano Central Station to Verona Porta Nuova:** 2-3 trains per hours with an estimated travel time of approximately 1h 30’ depending on the train.

**From Verona Porta Nuova Railway Station to “San Zeno”:** you can either take a taxi (approx. 10-15 min) or the BUS # 13 in the front square (approx. 20 min).

### **Hotels**

There are several hotels available in Verona through web sites connection ([www.venere.com](http://www.venere.com), [www.expedia.it](http://www.expedia.it)) You are kindly asked to provide for your own accommodation.

We suggest you to find an accommodation in the city centre. Verona has a very nice city centre and most likely we will arrange a dinner there on April 18<sup>th</sup>.

In case of any difficulty please contact us:

Ms. Alice Kindl

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