First SustainPack conference
Radically changing fibre-based packaging through nanotechnology, innovation and sustainable development

Tuesday 6 and Wednesday 7 December 2005  Radisson SAS Arlandia Hotel, Stockholm, Sweden

SustainPack conference organised by:
Acreo
Agrotechnology & Food Innovations
Ahlstrom
BASF
Chiquita
EFPG
European Commission
Helmut Kaiser Consultancy

With presentations from:
Acreo
Agrotechnology & Food Innovations
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Media Partners:

SustainPack conference organised by:
Registration and refreshments
08.25

Fibre-based packaging: translating consumer needs into research and development

09.25

Opening remarks from the chair
Anders Sörström, Vice Executive President, STFII-PACKFORSK, Sweden

09.30

Introduction: what will the SustainPack project deliver?
- Packaging needs: why SustainPack was created?
- How SustainPack will shape the future of fibre-based packaging
- How SustainPack contributes to the packaging research agenda
- The results SustainPack will deliver

Kenmert Johansson, Project Co-ordinator, SUSTAINPACK and STFII-PACKFORSK, Sweden

10.00

Keynote address: a brand owner’s perspective
- Operational activity
- Supply chain considerations
- Market demand
- How can packaging innovation support these demands?
- Case study

Alan Cresswell, Packaging and Design Manager Europe, CHIQUITA FRESH EUROPE, Belgium

10.35 Setting the future agenda for fibre-based packaging

11.10 Morning refreshments and networking break

11.40 Packaging specifications: a chain full of conflicting requirements
- Requirements in the chain: conflicts and opportunities
- From packaging requirements to packaging specifications
- The role of lightweighting
- The role of testing

Dr Arco Berkemboch, Director Kappa Packaging Development Centre, KAPPA PACKAGING, Netherlands

Kappa Packaging is one of Europe’s leading paper-based packaging companies. The company’s 17,000 employees are dedicated to generating value for customers by offering high standards of service, quality and innovation.

11.50 Benefits of fibre engineering in lean fibre-based packaging

12.15 Benefits of fibre-based packaging: translating consumer needs into research and development

12.50 Lunch will be served for speakers and delegates

14.00 Corrugated board packaging performance: basic keys for lightweight packaging
- Fibre resources and production technology
- Mode of failure during box compression, criteria of stability
- Customer experience: security factors
- Platform of testing
- Keys for lightweight packaging

Dr Joel Poustis, VP Research and Environment, SMURFIT WORLDMAP RESEARCH EUROPE, France

The Smurfit Group is one of the largest European-based manufacturers of containerboard, corrugated containers and other paper-based packaging products. Spanning three continents and over thirty countries, The Smurfit Group employs some 30,000 people and is a significant player in Europe and Latin America.

14.35 Latest developments in fibre-based films
- Fibre, nano-clay and polymer compatibility
- Effects of fibres and nano-clays in polymer matrices
- Modification of mechanical and chemical properties
- Applications in packaging

Dr Susana Aucejo, Head of Division R&D Packaging Technology, ITENE, Spain

ITENE (Packaging, Transport and Logistics Research Institute) is one of the most active European R&D centres in these technological fields. Its mission consists of improving companies’ competitiveness through the development of R&D and Innovation projects and technological services related to packaging, transport and integral logistics.

14.50 SustainPack conference is a landmark event

The SustainPack conference is a landmark event with companies from across the packaging and technology supply chain attending. It is totally unique and something you can’t afford to miss.

Benefits checklist

This is your opportunity to benefit from the SustainPack project findings and hear results of research to date before anyone else. Find out all about:

- Which areas of research will provide viable new packaging products
- How the latest nano developments will be transformed into products
- How composite materials combining fibres and polymers will be created
- When coating and printing techniques to enhance barrier will be available
- If 3D fibre-based packaging will be commercially available in the near future

- How fibre-based packaging will be able to communicate with consumers

15.10 Afternoon refreshments

15.35 Developments in gelatin-based films

16.10 Nanotechnology in packaging

16.45 Closing remarks from the chair

17.00-18.00 Drinks reception

All speakers and delegates are invited to a relaxed and informal drinks reception, providing an exclusive opportunity to network and discuss the day’s proceedings.
Wednesday 7 December 2005

08.00 Registration and refreshments

Protective coatings and 3D composites

08.55 Opening remarks from the chair
Kennon Johansson, Project Co-ordinator, SUSTAINPACK, Sweden

09.00 Latest developments in protective coatings
- Barrier latex coatings
- Effects of pigments and nanoclays
- Biopolymers for protection and barriers
- Application techniques
- Inorganic coatings and organic-inorganic hybrid systems

Lars Järnström, Professor, KARLSTAD UNIVERSITY, Sweden
Karlstad University has 11,000 undergraduate students and offers 50 programmes and 700 courses in the field of humanities, health science, natural science, social science, education and technology.

09.35 Protective coatings in food packaging applications
- Trends in food packaging
- Barrier demands of food packaging applications
- Future and challenges for protective coatings

Jallina Jarvinen, Manager Food Solutions Food Packaging Boards, STORA ENSO PACKAGING BOARDS, Finland
Stora Enso is an integrated paper, forest and fibre products company. It has more than 42,000 employees in more than 40 countries in five continents.

10.10 Review of developments in 3D fibre-based composites
- Modifications of fibres for their use in composites: chemical and physical-chemical modifications, preparation of hybrids from fibres and nanomaterials
- Cocrusting composite material
- Thermo-formable composite material

Dr Christine Chirat, Head of Valorisation and Contracts, INPC-EFPG, France
INPC (Ecole Nationale des Ponts et Chausées) is the French National Polytechnic School (Ecole Polytechnique) in Paris. INPC is one of the most prestigious universities of technology in France. EFPG is training 130 students on the Masters programme and 30 on the PhD programme.

10.45 Future developments in packaging
- Overcoming packaging performance issues through chemistry
- Potential new innovations in packaging

Simon Champ, Research Scientist, BASF, Germany
BASF: the chemical company

11.20 Morning refreshments and networking break

Communicative packaging

11.45 Sustainable developments for communicative packaging
- Relevance and developments in four areas of information transfer via packaging
- Product information, product identification, anti-counterfeiting and product quality indication
- Research activities within SustainPack: printable sensors, barcodes readable with mobile phones, anti-counterfeiting technology
- Sustainability aspects of new technologies: people, planet, profit
- Communicative packaging beyond SustainPack: future outlook

Dr Ingrid Wienk, Programme Manager Packaging, AGROTECHNOLOGY & FOOD INNOVATIONS BV, Netherlands
Agrotechnology & Food Innovations BV is a leading research institute covering the food production chain: from optimising the growing techniques via sustainable development and quality improvement to consumer product perception.

12.20 A new challenge for communicative packaging: a printed ultra-low electronics temperature and humidity logger
- Target specifications
- Basic elements: temperature sensor, humidity sensor and clock or timer
- Integration
- Powering
- Printing processes
- Status and roadmap

Dr Mats Robertson, Senior Scientist, ACREO, Sweden
Acreo performs contact R&D, bridging the gap between academic research and industrial commercialisation.

12.55 Lunch will be served for all speakers and delegates

14.00 Inkjet developments to meet the needs of communicative packaging
- Requirements for inkjet printing of functional fluids
- Printing of conductive patterns
- Printhead technology developments
- Future demands on inkjet technology

Bryan Palphreyman, Business Development Manager, Xaar, UK
Xaar is a world-leading supplier of industrial inkjet printheads, inks and peripheral equipment. Its innovative technology offers OEM customers and licensees unique differentiation, reliability, quality and faster time to market.

14.35 Sustainable packaging and the implications for fibre-based packaging
- International best practice for sustainable packaging
- Building sustainability into new product development for fibre-based packs
- Sustainable packaging initiatives in major companies
- Using lifestyle assessment as a sustainability tool

Gary Parker, Head of Environment and Waste, PIRA INTERNATIONAL, UK
Pira is a leading commercial consultancy, testing and media business specialising in retail supply chain technologies related to industries such as packaging, paper, plastics, publishing and consumer goods. Pira has established a reputation as one of the key knowledge providers in these industry sectors.

15.10 Enabling solutions for future customer needs: the STFI-Packforsk foresight programme
- Programme scope and objectives
- A value chain approach
- Key drivers and trends
- A vision and road map
- A value chain approach
- Key drivers and trends
- Enabling solutions: technologies and business models
- Implications for future fibre-based packaging

Dr Carl Olsman, Research Manager - Sustainability and Foresight, Strategic Information Division, STFI-PACKFORSK, Sweden
The aim of the STFI-Packforsk Foresight programme is to identify future research and knowledge development areas based on future consumer needs and enable solutions.

15.45 Final presentation by SustainPack Programme Officer, Astrid-Christina Koch, EUROPEAN COMMISSION

16.20 Closing remarks from the chair

16.30 Close of conference

SustainPack Partners
The SustainPack project team is comprised of a consortium of 35 partners from 12 countries representing packaging research associations, academia and industry:

- Acero Ab, Sweden
- Aligrotechnologie & Food Innovations BV, The Netherlands
- Ahhtrom Research & Services, France
- Cartonajes Levante, Spain
- Centre Technique de l’Industrie des Papiers, Cartons et Celluloses (CTC), France
- Consejo Superior De Investigaciones Cientificas (CSIC), Spain
- Danish Technological Institute (DTI), Denmark
- Fraunhofer Gesellschaft Zu Förderung Der Angewandten Forschung, Germany
- Helsinki University of Technology, Finland
- Karlstadt University, Sweden
- Kappa Packaging, The Netherlands
- Keskuslabariston-Centralaboratorium Ab (KCL), Finland
- Kungliga Tekniska Hogskolan (KTH), Sweden
- Instituto Tecnologico del Envas, Embalaje y Transporte (ITE), Spain
- Institut National Polytechnique de Grenoble (INPG/EFPG), France
- Papier Technische Stiftung (PTS), Germany
- Pira International, UK
- Riso National Laboratory, Denmark
- Sainsbury’s Supermarkets, UK
- Sheffield Hallam University, UK
- Slovak University of Technology in Bratislava, Slovakia
- Smurfit WorldWide Research Europe, France
- Stazione Sperimentale Carta, Cartoni e Paste per Carta (SSCCP), Italy
- STFI-Packforsk, Sweden
- Stora Enso, Sweden
- Technical Research Centre of Finland (VTT), Finland
- Universidade de Aveiro, Portugal
- University of Agriculture In Szczecin, Poland
- University of Bologna, Italy
- University of Bologna, UNIBO, Italy
- University of Bordeaux, France
- University of Oulu, Finland
- Walkwisa, Finland
- Xaar, Sweden
- Ystemiska Instutet Ab (YKI), Sweden

Who should attend?
A must attend event for:
- Brand owners and buyers of packaging (Packaging Development Managers, R&D Director/Manager, Technical Director/Manager, Packaging Buyer, Innovations/NDP Managers)
- Packaging manufacturers and converters (R&D Director/Manager, Product Development Manager, Innovations Manager, Technical Director/Manager)
- Manufacturers of paper and board (R&D Director/Manager, Product & Business Development Manager, Chemists,)
- Retailers of packaged goods (Packaging Buyer, Technical Manager)

This strategic conference will enable you to hear presentations from SustainPack project members as well as insights from major buyers and manufacturers of packaging. Reserve your place now by simply filling out the booking form or visit register online at www.piranet.com

www.piranet.com

SustainPack

A must attend event for:
- Brand owners and buyers of packaging
- Packaging manufacturers and converters
- Manufacturers of paper and board
- Retailers of packaged goods

The SustainPack project team is comprised of a consortium of 35 partners from 12 countries representing packaging research associations, academia and industry:
Registration form

Date: Tuesday 6 and Wednesday 7 December 2005
Venue: Radisson SAS Arlandia Hotel, Stockholm, Sweden

First SustainPack conference
Two day conference organised by Pira International

Step 1 Fill in your details

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Step 2 Choose your event options

**Conference fees**
Please tick the appropriate box

| 2 day conference programme | £749 | €1100 |

VAT at the prevailing rate will be charged as applicable

Step 3 Select your payment method

**Payment details**
Please tick the appropriate box

- Cheque or banker’s draft
- Credit card payment

**Payment by credit cards**

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Step 4 Send us your booking form

**Fax**

Fax this form back to +44 (0)1372 802243

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Book by phone on +44 (0)1372 802051

**Post**

Send this form by post to: Pira International, Cleeve Road, Leatherhead, Surrey KT22 7RU, UK

**Online**

Complete the online booking form at www.piranet.com

Conference information

**Conference venue**
The Radisson SAS Arlandia Hotel is located only minutes from Stockholm airport. This state-of-the-art venue boasts 335 well-equipped bedrooms with high-speed Internet access, a congress hall, an a la carte restaurant and a traditional Swedish café, as well as a spa and relaxation centre with indoor pool. A courtesy transfer coach goes to and from the Stockholm Arlandia airport and the hotel every 15 minutes. Connections to Stockholm city centre from the hotel are easy. Delegates will be sent a map and full joining instructions prior to the conference.

**Booking your accommodation**
Delegates are responsible for booking their own travel and accommodation. A number of bedrooms have been reserved at the hotel for our conference delegates at the specially negotiated rate of SEK 1495 including breakfast (approximately €160) per room per night. To reserve your accommodation, please contact the hotel direct as soon as possible and quote “SustainPack.”

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**Conference fees**
The conference fee includes entry to the conference sessions, full documentation, lunch and refreshments. However, fees do not include delegate travel and accommodation. All credit card orders are processed at that day’s £/€/$ exchange rate at the time the transaction goes through.

**Cancellations**
Cancellations will be accepted and fees refunded (less 20% handling charge) only if made in writing and received 10 working days before the event. Bookings can not be cancelled nor fees refunded thereafter. Substitutions may be made at any time, please notify Jenny Fehrenbach.

**Note**
Pira International does not accept liability for any loss of or damage to the personal effects of delegates attending the conference. Pira reserves the right to cancel, defer or modify the event proceedings without prior notice.

**Your conference organiser**
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