

The Circular Nonwovens Forum 2021 will be held in a hybrid format

The Circular Nonwovens Forum will take place on the 30th of September both in Brussels and online. The full-day forum will feature an outstanding programme of 10 presentations. Each presentation will be followed by a LIVE Q&A and discussion animated with LIVE poll questions.

Answer the poll questions using your phone or your laptop via this link or the QR Code:

<https://pollev.com/circularity333>



08.45 > 09.20

WELCOME COFFEE

09.20 > 09.30

OPENING AND WELCOME



Pierre Wiertz, General Manager, **EDANA** (Belgium)



MODERATOR

Gil Stevens, External Relations & Sustainability Director, **EDANA** (Belgium)

(In-person)

09:30 – 10:00



CERTIFICATION OF BIODEGRADABLE AND BIOBASED NONWOVENS, THE ROLE OF A CERTIFICATION BODY

- Biodegradable, compostable, bio-based; what it is and what it is not
- Third party certification improves the credibility and visibility of claims, but not only that. What are the added values of certification?
- Are all (nonwoven) products certifiable?

+ Q&A and discussion

(In-person)

Philippe Dewolfs, Business Manager, **TÜV AUSTRIA** (Belgium)

10:00 – 10:30



INNOVATIVE POLYVINYL ALCOHOL FOR MELT SPUN FIBRES AND SPUNMELT NONWOVENS, OFFERING HIGH FUNCTIONALITY AND VERSATILE END-OF-LIFE OPTIONS

- Allows high hydrolysis, water-soluble, polyvinyl alcohol fibres to be processed via melt spinning, without polymer modification, maintaining full polymer functionality and end-of-life biodegradation
- Staple fibres can be used as functional fibres or in combination with others, such as biopolymers and cellulose, with high affinity and synergistic effects. The fibres also enable reuse/ recycling, anaerobic digestion and marine biodegradation
- Functional properties include high mechanical strength, liquid management, UV resistance and flushability

+ Q&A and discussion

(Online)

Jack Eaton, Product Manager Nonwovens, **Aquapak Polymers** (United Kingdom)

10:30 – 11:00



(Online)

INNOVATIONS TO HELP WIPES & ABSORBENT HYGIENE PRODUCTS MEET SINGLE-USE PLASTICS DIRECTIVE GUIDELINES

- Immediate impact on nonwoven value chain due to SUPD
- Wipes & absorbent hygiene products – Quick actions needed from nonwoven value chain to meet SUPD guidelines basis the labeling requirements by using available alternatives in terms of sustainable materials & compatible nonwoven technologies
- Key innovations tailor-made to help wipes & absorbent hygiene products meet SUPD guidelines

+ Q&A and discussion

Rahul Bansal, AVP Global Business Development Head – Nonwoven, **Birla Cellulose** (India)

11:00 – 11:30

COFFEE BREAK

11:30 – 12:00



(Online)

CIRCULAR ECONOMY: SUSTAINABLE CONCEPTS IN THE VISCOSE FIBRE PRODUCTION FOR NONWOVENS

- Operating production processes energy-efficient and with closed cycles
- Sustainable and biocompatible solutions for single-use products
- Functionalisation of fibres for customer-specific innovation, towards sustainable solutions in final applications
- Alternative, recycled raw materials
- Traceability of sustainable solutions

+ Q&A and discussion

Dr. Roland Scholz, Project Manager Fibre and Application Development, **Kelheim Fibres** (Germany)

12:00 – 12:30



(In-person)

CIRCULARITY IN NONWOVENS THROUGH PLA

- Polylactic acid (PLA) in nonwoven (benefits, properties, comparison PET, PP...)
- Chemical recycling technology
- Application in nonwovens

+ Q&A and discussion

Julien Diaz, Product Manager, **Noosa Fibre** (Belgium)

12:30 – 13:00



(Online)

DEVELOPMENT OF ULTRAVIOLET CURING TECHNOLOGY FOR TEXTILE AND FILM BASED SURFACES

- Developed in aim of printing inks on the textile and film surfaces
- Eliminates the hazardous chemicals used in conventional bonding systems as well as doubling the production rates
- noteworthily reduces the fossil based natural gas consumption, decreases the carbon dioxide gas emissions and makes positive contributions toward the global warming and climate change

+ Q&A and discussion

Atakan Gümüş, R&D Assistant Specialist, **HASSAN Tekstil** (Turkey)

13.00 – 14.30

LUNCH

14:30 – 15:00



(In-person)

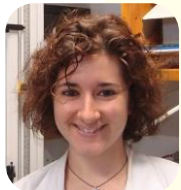
MARINE BIODEGRADATION: LATEST DEVELOPMENTS ON TEST METHODS, STANDARDISATION, CERTIFICATION AND LEGISLATION

- The plastic soup problem: how big is it and what are the main reasons for it?
- What can biodegradability bring as a solution?
- Marine biodegradability testing and standardisation: latest developments and new insights
- Is marine biodegradability different from terrestrial biodegradability?

+ Q&A and discussion

Bruno De Wilde, Lab Manager, **OWS** (Belgium)

15:00 – 15:30



(Online)

ENHANCING RECYCLING AND REUSE OF POST-CONSUMER AHP

- Negative impact of multi-material composition and impurities of the diaper plastic waste stream on the PCR properties, and the quality obtained is suitable only for reuse in less demanding applications
- New developments to accelerate the inclusion of AHP waste streams in mechanical recycling and unveil opportunities for AHP through mono-material, easy-to-recycle technologies that combine PCR with virgin material and the use of impact modifiers to significantly improve the quality of PCR
- How this stream of PCR can be a valuable source to produce circular polymers using feedstock recycling, helping advance a closed loop system for plastic waste

+ Q&A and discussion

Natacha Bitinis, EMEA technical leader for the Nonwovens & fibres platform, **Dow** (Spain)
Abby Turner, Senior Marketing Manager for Health and Hygiene, **Dow** (Switzerland)

15:30 – 16:00



(In-person)

ENABLING A AHP CIRCULAR ECONOMY IN FLANDERS

- Flanders has the ambition to become fully circular by 2050. This means that the Flemish economy focuses on keeping materials in use instead of incineration or landfilling
- To achieve this goal of becoming fully circular, immediate action is required on multiple product groups. A key product group are the absorbent hygiene products (AHP) constituting 12% of household waste
- Currently, 65.000 tonnes of AHP are incinerated every year in Flanders, contributing to global warming and the loss of valuable materials

+ Q&A and discussion

Wouter Dujardin, Project Leader, **OVAM** (Belgium)

16:00 – 16:30



(In-person)

DISCOVERIES AROUND NONWOVENS UTILISED AND DEVELOPED AROUND NEW GENERATION MASK

- Unexpected global pollution crisis arising, urge for innovation
- Can recycling of single use mask products be a commercially feasible solution to global pollution?
- Is compostable air filtration mask possible?

+ Q&A and discussion

Volodymyr Nesin, Research and Innovation Director, **Pentatonic** (United Kingdom)

16.30 – 16.40



NONWOVENS, YOU SAY?

Nonwovens, you say? is an exciting campaign by EDANA that puts the spotlight on the many benefits of nonwovens. In 10 minutes, get to know the campaign and learn how your company can contribute!

Natacha Defeche, Marketing & Member Engagement Director, **EDANA** (Brussels)

Sean Kerrigan, Director of Communications & Media Relations, **EDANA** (Brussels)



(In-person)

16.40 – 17.30

CLOSING & GOODBYE DRINK