

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

The Circular Nonwovens Forum will take place on the 30<sup>th</sup> 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 a roundtable discussion animated with LIVE poll questions.

08.45 > 09.25

**WELCOME COFFEE**

09.25 > 09.30

**OPENING AND WELCOME**



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



**MODERATOR**

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

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 roundtable discussion

**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 roundtable discussion

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

10:30 – 11:00



## 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 roundtable discussion

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

11:00 – 11:30

## COFFEE BREAK

11:30 – 12:00



## 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 roundtable discussion

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

12:00 – 12:30



## CIRCULARITY IN NONWOVENS THROUGH PLA

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

+ Q&A and roundtable discussion

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

12:30 – 13:00



## 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 roundtable discussion

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

13.00 – 14.00

## LUNCH

14:00 – 14:30



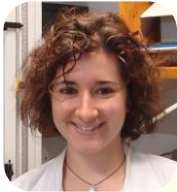
## MARINE BIODEGRADATION: LATEST DEVELOPMENTS ON TEST METHODS, STANDARDISATION, CERTIFICATION AND LEGISLATION

- 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 roundtable discussion

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

14:30 – 15:00



## 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 roundtable discussion

**Natacha Bitinis**, EMEA technical leader for the Nonwovens & fibres platform, **Dow** (Spain)

**Abby Turner**, Senior Marketing Manager for Health and Hygiene, **Dow** (Switzerland)

15:00 – 15:30



## 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 roundtable discussion

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

15:30 – 16:00



## 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 roundtable discussion

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

16.00 – 16.10



## 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)

16.10 – 17.00

## GOODBYE DRINK