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Foreword

Welcome to the sixth issue of the CEPI-CTS Newsletter.

In this issue we will tell you why we are introducing the measure of Contact Angle in our Service and how the experimental pre-tests went.

Standardisation works within ISO and CEN are vital for our Industry: many of us are therefore also involved in the activities of several committees. In this issue we will present what's going on in two fields such as nano-celluloses and lignin characterisation.

We greatly value your feedback and suggestions to improve the Service: if you have questions, doubts or requests do not hesitate to contact your Distributing Laboratory or myself at the addresses listed on the left.

With this in mind, we kindly ask you to find some time to answer our **Customer Satisfaction Survey** that has been launched this year. We run the Survey every three or four years so as not to be too invasive...

Fulvio Savagnone
CEPI-CTS Chairman

New tests implementation: Contact Angle (W. de Groot)

In the paper industry Contact Angle is widely used to characterize paper surfaces, coatings, absorption properties for several applications and troubleshooting. A few years ago ISO/TC6 decided to develop a standard for Contact Angle dedicated to the paper industry.

This International Standard, ISO/AWI 14778, is used as the basis for a new test within the CEPI-CTS system. The implementation is done on ISO's current proposal with angles measured at three times after initial contact, 0.1 s, 1.0 s and 10 s.

The test is operative starting this year and samples will be available in four levels, including one reference level (level 1), which is a plastic film.

Several experimental pre-test rounds have been performed incorporating a range of different devices. Some differences could be noticed but none structural. To exclude machine-dependent variance, it is strongly recommended to always include the reference level 1 in your order.

What's new in ISO works: nanocellulose (*S. Moreau-Tabiche*)

ISO 21400:2018 "Pulp – Determination of cellulose nanocrystal sulfur and sulfate half-ester content" has been published this year, while work continues within the appropriate Working Groups on adaptation of existing ISO standards ISO 1762:2015 (ash content at 525°C), ISO 2144:2015 (ash content 900°C), ISO 12830:2011 (acid-soluble materials), and ISO 638:2008 (dry matter content), in order to include nanocellulosic materials in their scope.

What's new in ISO works: lignin (*S. Moreau-Tabiche*)

The scope of ISO/TC6 has been modified in 2018 in order to include lignins (and also products containing any portion of recycled material or material intended for recycling).

An ad hoc group on lignins has also been created, under the responsibility of the Canadian Standardisation Body, with the mandate to consider the development of new and revised ISO Standards to characterize various lignin properties obtained from kraft pulping and bio-refinery.

An enquiry has been launched among producers, end-users, researchers, etc. in order to identify lignin properties to be standardised and establish an order of priority for standardisation.

Future tests in the pipeline

The **Customer Satisfaction Survey** that has been recently launched asks your precious feedback about the CEPI-CTS and its possible improvements. We always take such occasion to propose to your interest new tests that could be possibly implemented in the future, such as:

Plastic films, thickness, ISO 4593

Plastic films, tensile properties, ISO 527

Plastic films, tearing resistance, Elmendorf method, ISO 6383-2

Plastic films, coefficient of friction, static and dynamic, ISO 8295

Plastic films, optical properties (colour, etc.)

Plastic films, haze, ISO 14782

Abrasion, TAPPI 476

Fibre Furnish

Bending stiffness, 3-points loading, ISO 5628

Bending stiffness, 4-points loading, ISO 5628

Grease Resistance, method to be specified

Migration tests, method/pollutant (e.g. Bisphenol A) to be specified

Recyclability

Tissue disintegration, NF Q34-020

Tissue disintegration, ISO 12625-17 (in development)

Tissue grammage, ISO 12625-6

Tissue tensile energy absorption, ISO 12625-4

These are the test that we have determined could meet your interests. However, if you do not find the test you need in this list, do not hesitate to add it in the Customer Satisfaction Survey!

Come meet us and share technical ideas!

Every year CEPI-CTS organises a Technical Meeting to discuss paper-testing issues that are relevant to the Service and a Technical Workshop to have a hands-on experience on selected technical topics.

Both the Technical Meeting and the Workshop are open to the public: they are therefore a unique occasion to discuss state-of-the-art technical matters with scientists and technicians from the most important European research institutes which manage a comparative testing system that has no equal in the world with regards to

scientific soundness, scope of availability of tests, efficiency, number of satisfied clients and last but not least, historical tradition.

The 2018 CEPI-CTS Technical Meeting was held at CELABOR in Chaineux: hot issues such as paper for food contact and cellulose nanofibers were discussed.

To make your attendance even more fruitful, we will strive to organise such meetings in correspondence with national or international fairs, conferences and so on.

We will adequately publicise our next Technical Meeting and Workshop, don't miss this opportunity!

The next issue of the Newsletter will be out December 2019