

Quarterly **NEWS  
LETTER**

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**BeST**

Beryllium Science & Technology Association



**Dear Readers,**

**Welcome to the Summer edition 2022  
of the BeST Quarterly Newsletter!**

In this edition, we will share with you information on the EU Raw Materials Summit held in Berlin attended by BeST's Director of EU Affairs as well as the SCRREEN Beryllium Expert Workshop attended by BeST's Members.

We will also remind you of exciting events to mark in your calendars, including the upcoming Be Responsible webinars (in English, German and French) on Working Safely with Beryllium and the joint BeWS-15 and BeYond-IX event. BeST Members will be giving interesting interventions at each of these events.

Finally, we will share with you new updates on the success of the James Webb Space Telescope as well as news on our next Easy Guide Blast.

*Kind Regards,*

*Mrs Angélique Renier, Secretary General of BeST*

# Table of Contents

- <b>BeST at the EU Raw Materials Summit in Berlin</b>	<b>03</b>
- <b>Be Responsible webinar held in French</b>	<b>04</b>
- <b>BeST participates in SCRREEN Workshop on Beryllium</b>	<b>05</b>
- <b>BeST at the BeWS-15 and BeYond-IX</b>	<b>06</b>
- <b>First NASA's Webb coloured pictures will be published in July</b>	<b>07</b>
- <b>First Easy Guide Blast dedicated to specific Beryllium processes to be released next month</b>	<b>08</b>
- <b>BeST Online</b>	<b>08</b>

# BeST at the EU Raw Materials Summit in Berlin

**BeST Director of EU Affairs, Ms. Rebecca Lentini, attended the EU Raw Materials Summit organised by the European Raw Materials Alliance (ERMA) from 23 to 25 May in Berlin. The purpose of the Summit was to provide a general and holistic view of the raw materials ecosystem both at European and International level.**

The event was an occasion for policymakers and stakeholders to discuss the crucial role of critical raw materials (CRMs), including Beryllium, in present and future EU applications as well as discuss the most relevant topics and challenges from across the raw materials value chain.

The Russian invasion of Ukraine has highlighted the importance of securing CRM supply chains, fundamental materials for the green

and digital transition. Moreover, the global demand for CRMs is expected to double by 2050.

European Commissioner for the Internal Market Thierry Breton announced the European Commission's intention to draft a legislative proposal for raw materials in the frame of the RePowerEU plan. With the proposal, the European Commission supposedly aims to develop strategic partnerships, implement circular economy practices, develop a market in Europe for primary and secondary raw materials, de-risk projects, and address the social acceptance challenge when it comes to mining.



# Be Responsible webinar held in French

On 21 June, BeST hosted the second 2022 Be Responsible Webinar – Working Safely with Beryllium.

This webinar was held in French and saw the intervention of expert Mrs. Angélique Renier, Communication and Environment Manager at NGK BERYCLO France.

After a brief reminder of the regulatory context of beryllium in EU and France, she addressed occupational health and safety at the workplace and highlighted good practices applied to Beryllium.

Could not follow the event?

Don't worry, BeST will organise other webinars in 2022. In the meantime, you can read more on our Be Responsible Programme on our [website](#). The website is free of charge and available in all official EU languages.

# BeST participates in SCRREEN Workshop on Beryllium

**On 2 June, BeST members Ted Knudson – Senior Director, Regulatory Affairs and Product Stewardship at Materion Corporation, and Angélique Renier – Secretary General of BeST, participated in a workshop organised by the external consultant – SCRREEN - commissioned by the European Commission to support the EU criticality assessment for the new EU 2023 list of Critical Raw Materials.**

In particular, the workshop planned to validate the data and data sources used in the numerical criticality assessment, as well as exchange data, information, and knowledge for the factsheets on the 87 screened materials. These factsheets will be published with the new EU CRM list next year.

The event was an opportunity for BeST to provide feedback related to Beryllium for the criticality assessment ahead of the 2023 EU CRM list.

BeST is also contributing in the ongoing “Chem4EU” workshop, which aims to identify

the crucial chemicals and innovations needed to facilitate industry's transition to a green, digital and resilient Europe (GDREU). Angélique Renier, Secretary General of BeST, was pleased to participate in the discussions within the Strategic Value Chain (SVC) dedicated to connected, clean and autonomous vehicles (CCAVs).

One of the main results shared by stakeholders is the need to move the chemicals regulation from a simplistic hazard-based approach to a risk-based approach. It was recalled that risk is the product of hazard by exposure. Even if a substance is hazardous per se, insofar the exposure is non-existent, low or under control, there is no or very limited risk.

Realistic risk assessments of chemicals which differentiate professional, industrial and consumer uses must be conducted prior to any regulatory decision. A risk-based approach will foster innovation to accelerate both the green and digital transitions in Europe and increase the autonomy of EU economy.

# BeST at the BeWS-15 and BeYond-IX

BeST members Ted Knudson – Senior Director, Regulatory Affairs and Product Stewardship at Materion Corporation, and Angélique Renier – Communication and Environment Manager at NGK Berylco France, will be speaking in the joint 15th International Workshop on Beryllium Technology (BeWS-15) and the ninth workshop of BeYond (Industrial Forum on Beryllium opportunities and New Developments).

The two events will take place from 14 to 16 September in Karlsruhe, Germany.

The program of the workshops, organised by the Karlsruhe Institute of Technology, will be published soon [here](#).

# First NASA's Webb coloured pictures will be published in July

**The James Webb Space Telescope (JWST), built and managed in partnership with ESA (European Space Agency) and CSA (Canadian Space Agency), will release its first full-colour images and spectroscopic data on July 12.**

As you may remember from the previous quarterly newsletters, the JWST was launched on 25 December 2021 and is undergoing a six-month period of preparation before it can become fully operative. Within the preparation, the most crucial part has been fine phasing since the telescope's 18 Beryllium primary mirror segments needed to be aligned and match each other by a fraction of a wavelength of light.

This entire preparation process has generated images and data, which are a demonstration of JWST at its full power. While these are not the first images provided by the telescope, they will be the first in full colour and the first ones to really show the JWST's capabilities.

Once the images are published by the American Space Agency, the JWST's general science operations will start, as astronomers will be able to use the telescope to observe the infrared universe, analyse the data collected, and publish scientific papers on their discoveries. Beryllium played a decisive role in the success of the alignment process. It was the perfect material for the JWST's construction and assembly due to its lightness, excellent optical reflectivity, and ability to retain its shape even at low and extreme temperatures. The complex manoeuvres required by fine phasing have been eased by the unmatched characteristics of Beryllium, making it the material of choice for the mission.

Beryllium mirrors are also used in several civilian applications, such as laser scanners for PCB drilling (Printed Circuit Board), medical imaging, confocal microscope and many more where the use of beryllium mirrors enables high power, speed, and precision processing.

# First Easy Guide Blast dedicated to specific Beryllium processes to be released next month

Easy Guides are a new communication tool developed by BeST at the end of 2021 and dedicated to each of the 12 Guides developed in the frame of the Be Responsible VPSP

The fourth edition will be published next month and will be our first Easy Guide Blast dedicated to a specific Beryllium process.

Check out our previous Easy Guide Blast editions [here](#).



## Stay in Touch

The BeST website keeps you informed with a 'Latest News' section, where readers can follow the latest news and features on beryllium.

The news section complements the wealth of information already on the site, on issues such as environment, health, and safety.

**Get the latest news on BeST online.**

BeST can also be found on Facebook. 'Like' the page and be notified when there is news from our association. Photos of events organized by BeST can also be found on our [Facebook page](#).