



# CAMPUS DES MÉTIERS ET DES QUALIFICATIONS D'EXCELLENCE

Bioeco Academy  
Grand Est

# NEWSLETTER #21

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THE CMQTEAM IS  
GROWING

From 06 to 07/10/2023 ————— REIMS

## THE CMQ AND ITS PARTNERS PRESENT AT THE SCIENCE FESTIVAL

For this year's Science Festival, the CMQ joined forces with Accustica, EXEBIO and ICMR over 2 days to offer a range of activities focusing on bioeconomy for schoolchildren and the general public at the URCA's Moulin de la Housse campus.

Firstly, on 06/10, primary school pupils were able to take part in a range of activities including the making of bio-sourced bouncing balls, the bioeconomy memory and an exhibition of everyday bio-sourced products. Middle and High School students took part in the bioeconomy fresk and the biomass game.

On Saturday 07/10, the CMQ welcomed the general public in a space dedicated to bioeconomy with an exhibition of everyday bio-sourced products, the bioeconomy memory, the discovery of issue 4 of the Green Kid comic strip and the book "What is Bioeconomy?", a bio-sourced bouncing ball workshop, as well as the biomass game and the create your own biorefinery game.

Around 300 people were able to learn more about bioeconomy.



## WHEN BIOECONOMY IS MIXED WITH SPORT

To mark the Science Festival, the CMQ and the University de Reims Champagne-Ardenne organized a day dedicated to the bioeconomy and sport.



The 48 junior students in sport specialty from François Arago High School in Reims enjoyed a rich program:

- The discovery of bioeconomy in the sporting world through a conference focused bioeconomy, the Bioeconomy fresk, the meeting of professionals and bio-based sporting products, the practice of disc golf with bio-based frisbees and tennis ball with bio-based soccer balls.
- A "Create a biobased sports product" communication challenge gave rise to ingenious ideas such as sustainable, biobased bibs, sneakers with biobased soles that can be interchanged to suit different sports, and so on.
- A round-table discussion with industry professionals: Sébastien Merzlic from Arkema, who presented bioplastics used in sports, Halima Kerdjouj (odontology) with biosourced materials that can be used to repair the human body, Icelab with its challenges in exploiting ice rinks, and finally, the captivating intervention of Martial Gayant, French yellow jersey.

It was a very busy day for these high school students, who were able to see for themselves what the bioeconomy can bring to the world of sport.

08/11/2023

POMACLE

## CONSUMERS STUDIES ON BIOSOURCED MOLECULES

Students in the M2 Marketing-Sales Communication program at the University of Reims Champagne-Ardenne were given the opportunity to carry out a pre-professional exercise based on concrete, topical research topics proposed by researchers from the Centrale-Supélec Biotechnology Chair and the AgroParisTech URD ABI.

The project, supported by the CMQ d'Excellence Bioeco Academy, CEBB and URCA, culminated in a presentation to a panel of experts on consumer acceptability and reluctance with regard to biosourced molecules.



## EXPERIMENTING WITH THE BIOECONOMY COURSE KIT AT SAINT THIERRY MIDDLE SCHOOL



During their week dedicated to the bioeconomy, 113 3rd graders at Saint-Thierry's Middle School du Mont d'Hor benefited from the CMQ's involvement in the deployment of the Bioeconomy course kit. As a reminder, this kit provides course materials related to bioeconomy for cycle 4 learners.

As a first step, the CMQ visited the college on the mornings of 13 and 14/11 to introduce the students to the bioeconomy, running the bioeconomy fresk, the biomass game associated with the a conference and the escape game. During the afternoons of these 2 days, the science teachers continued this work of discovery through various workshops: a digital version of the bioeconomy memory, an experiment with red cabbage "it's not magic, it's chemistry", and a workshop to prepare for the laboratory visits the students would be making the following week at URCA.

In the second phase, the students visited the Bazancourt Pomacle site on 11/20 and 11/21. They started the day by doing a bus tour of Cristanol distillery, watched videos related to the trainings on site and took a quiz about bioeconomy at the CEBB.

In the afternoon, they met researchers from the Institute of Molecular Chemistry (ICMR) in Reims, and learned about their research activities. These meetings were followed by students presentations concerning all the information they gathered during the day. An enriching experience for these young learners, who may well be the bioeconomy players of tomorrow...



## TRAINING PHOTOSYNTHESIS SCHOOL

The gas exchanges and chlorophyll fluorescence no longer hold any secrets for the 29 participants in the "Learn to measure photosynthesis" technical school held from November 27th to 30th at the International Residential Center of Reims.

It was co-organized by the CMQ d'Excellence Bioeco Academy, the University of Reims Champagne-Ardenne, INRAE and with the help of BIONEf and LI-COR for the loan of equipment. Our partner Vranken-Pommery Monopole opened its doors and enabled the participants to take an unforgettable tour of the cellars, an original playground for measuring plant photosynthesis!



## 2<sup>ND</sup> EDITION OF « BAZANCOURT POMACLE, THE ATTRACTIVE INDUSTRY »

As part of Industry Week, the CMQ organized the 2nd edition of "Bazancourt Pomacle, the attractive industry", from 06 to 08/11, at Michel Prévot venue in Bazancourt, with its partners: CEBB, Cristal Union, ARD, Givaudan, FICAP, France Chimie, the Grand Est academic region and the Grand Est region.

The 1st day took place on Monday 06/11 with 100 students in the morning and 90 in the afternoon from 9 different schools:

- Juniors and Senior year of sciences and technologies for industry and sustainable development (STI2D) from Blaise Pascal high school in Saint Dizier,
- Seniors of sciences and laboratory technologies (STL) at Sévigné High School in Charleville-Mézières,
- Seniors STL from les Lombards High School in Troyes,
- Juniors Electrical and environmental trades (MELEC) from Paul Verlaine High School in Rethel
- Juniors Systems maintenance from Georges Brière High School in Reims
- Juniors Bio industries de transformation from Balcon des Ardennes Agricultural High School in Saint-Laurent,
- Juniors MELEC from Stéphane Hessel High School in Épernay,
- Seniors STI2D from Saint Jean-Baptiste de la Salle High School in Reims,
- Sophomores Laboratory from La Salle in Thillois.

On 07/11, 167 students from 6 different schools came to Bazancourt for the 2nd Attractive Industry Day:

- Advanced Technician's Certificate (BTS) Systems maintenance from Stéphane Hessel High School in Épernay,
- BTS Biological and biotechnological analysis (Anabiotec) from La Salle de Thillois,
- Professional degree Bioindustries and biotechnologies at l'URCA in Reims,
- University Bachelors of Technology (BUT) Electrical engineering and industrial computing from l'URCA in Troyes,
- BUT Industrial engineering and maintenance from URCA in Châlons-en-Champagne,
- BTS BioQuality / BTS Biotechnologies from Les Lombards High School in Troyes.



Over the 2 days, students were divided into teams and given the chance to go on an information hunt:

- Workshops to raise awareness about bioeconomy, led by the CMQ team: Bioeconomy Fresk, Biomass Game, Create your own biorefinery and the wall of internships and job offers,
- Skills and training discovery center ran by France Chimie and OPCO2i,
- Discussions with companies on their stands (Cristal Union / Cristanol, Givaudan and Ficap),
- The Mission Locale du Nord Marnais,
- Bus tour of the Bazancourt Pomacle biorefinery on 06/11 and site visits (Cristal Union, Cristanol, CEBB, Ficap, Givaudan and ARD) on 07/11.

The morning of Wednesday 08/11 was dedicated to jobseekers and the general public, over 130 of whom were interested in a specific program for them:

- Workshops to raise awareness about bioeconomy, hosted by the CMQ: bioeconomy fresk, biomass game, wall of internships and job offers,
- A job and training discovery center ran by OPCO2i,
- Training centers: UIMM, Greta, LADAPT, Groupe La Salle,
- The Missions Locales,
- The Grand Est region,
- Visits to Cristanol and Ficap.

Thank you to all our partners who contributed make this second edition a great success!



A LOOK BACK AT  
SEDI 2023

## THE CMI BIOTECHNOLOGIES AND AGRO-RESOURCES ON A STUDY TRIP TO DUBLIN

At the beginning of November, 19 students from URCA's CMI Biotechnologies et Agroressources discovered Ireland's biotechnology industrial ecosystem, on a study trip funded by the CMQ d'Excellence Bioeco Academy as part of the PIA 3 program.

Day 1 began with a visit to Ireland's oldest university, Trinity College, followed by a visit to the French Embassy in Ireland, where the students were welcomed by the Scientific and Academic officer, Delphine Tessier. They were briefed on the Embassy's missions, the functioning of Irish higher education, the various academic opportunities available and the issues involved on it.

The students then spent a day at BiOrbic, the bioeconomy research center located at the University College Dublin (UCD). They exchanged views with researchers and PhD students on their research topics. They were able to see the scope of research in all sectors of the bioeconomy in Ireland, and draw parallels with what they knew in France.

The students also visited the National Institute for Bioprocess Research and Training (Nibr), an opportunity for them to open up new perspectives on the application of biotechnologies in the pharmaceutical field.

The day continued with a visit to Dublin Liberties Distillery and an explanation of the agro-industrial processes involved in transforming barley into the finished product: Irish whiskey.

The final day was marked by a visit to Nuritas, an Irish biotech company whose mission is to transform nature into innovation, while developing peptides for health and beauty applications. This team of passionate experts showed to the students a concrete example of how a biobased company operates, and how their studies can be applied in this field.

The trip provided an opportunity to discover Irish university courses, research laboratories and companies in the biotech field.

Many thanks to all these Irish players for their warm welcome and the precious time they gave the students. A highly enriching academic and cultural experience that will undoubtedly whet the appetite for future mobilities!

SCAN THE QR CODE TO SEE VIDEOS OF THE TRIP



## IN FEW WORDS



05/10/23

REIMS

### BIOECONOMY CHANGEMAKERS FESTIVAL 2024

The Bioeconomy Olympiads received European accreditation as part of the "Bioeconomy Changemakers Festival 2024". They will be one of the satellite events of the EU Bioeconomy Conference in 2024.

More info to come!



13/11/23

AVIZE

### DRAW A GREEN KID CHARACTER

The CMQ and Terre Avenir were at the Antoine de Saint-Exupéry secondary school in Avize to raise awareness on energy and climate issues. Students also learned about bioeconomy, then enjoyed the Green Kid animation: "Imagine a future character who could appear in the next issue of Green Kid".



De oct. 23 à jan. 24

REIMS

### WORK IN PROGRESS...

The CMQ d'Excellence Bioeco Academy and URCA are currently designing a career guidance game for 4th and 3rd graders, to raise awareness of careers and trainings in the bioeconomy fields.



16/11/23

REIMS

### PROMOTING INDUSTRIAL CAREERS TO YOUTH

On 16/11, the CMQ provided the venue, ran the create your biorefinery game and was a member of the jury at the Mini-Entreprise® S event organized by EPA Grand Est in collaboration with Cristal Union, the main theme of which was "How to promote careers in industry to young people".



20 et 21/11/23

REIMS

### DJIBOUTI DELEGATION

On November 20 and 21, URCA welcomed a delegation of some fifteen science and humanities lecturers from Djibouti, to find out more about the University's CMI degrees. The CMQ was mobilized on this occasion to present the projects it is carrying out with CMI Biotechnologies and Agroressources students, and to exchange ideas with the members of the delegation.



27/11/23

THILLOIS

### LAUNCH MINI L AT LYCEE LA SALLE THILLOIS

The CMQ, in partnership with Entreprendre pour Apprendre Grand Est, has kicked off a major project for students in the 1st grade pro Landscaping and Quality Laboratory program at La Salle Reims-Thillois High School : a year to set up a business in bioeconomy. Organized in teams, these young students will develop their projects to turn their ideas into reality, and will be supported throughout the year by the CMQ.

# THE CMQ TEAM IS GROWING

Since this summer, two new arrivals have strengthened the CMQ team: Laurent Niclet as graphic designer since July, and Clarisse Michel as scientific animator since August.

Zélie Cossenet also stayed on to lend a hand to the CMQ team.

Projects abound now that we're fully staffed!



Laurent Niclet



Clarisse Michel



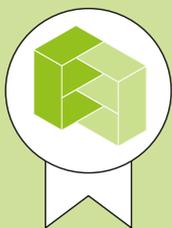
Zélie Cossenet



The **CMQ** team  
wishes you a happy holiday season  
and best wishes for 2024!



EN IMAGE



**CAMPUS  
DES MÉTIERS  
ET DES  
QUALIFICATIONS  
D'EXCELLENCE**

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[cmq-bioecoacademy@univ-reims.fr](mailto:cmq-bioecoacademy@univ-reims.fr)