

# Communicating high impact research through innovative formats

2019 EUA-CDE Annual Meeting – University of Brescia
The societal dimension of doctoral education

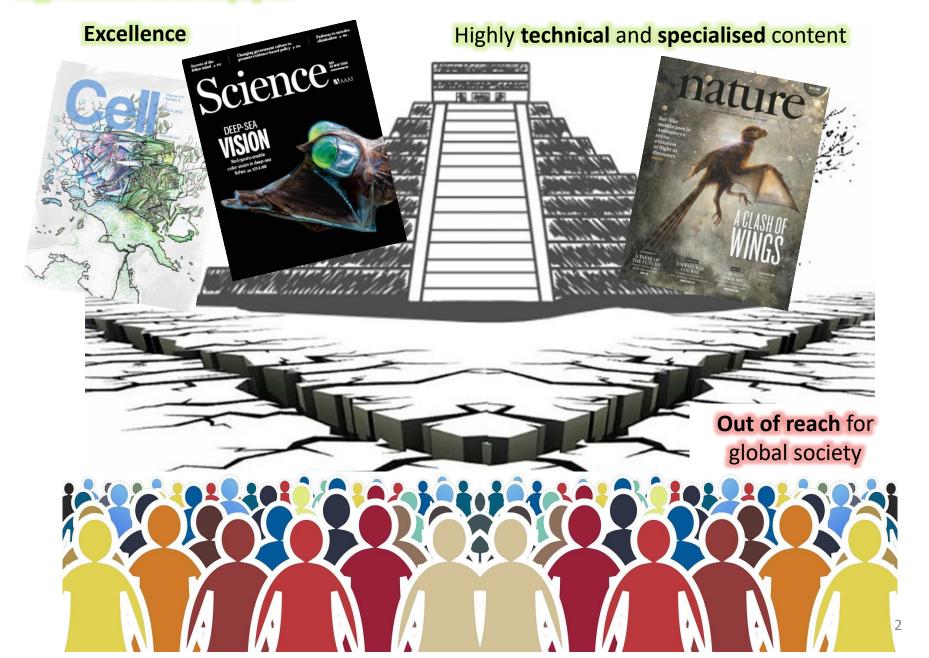


13<sup>th</sup> June 2019

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University of Liège (Belgium)

### Highly valued by the university community







# New initiatives for disseminating the content of publications

**Deciphering** published articles













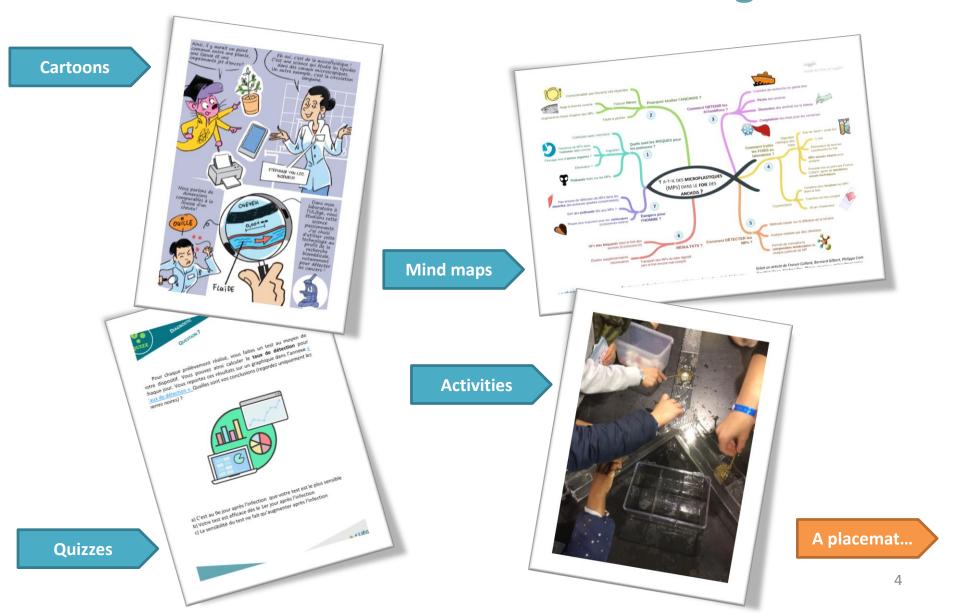
**University community** 

Senior high school students

Large public



# Attractive formats for disseminating results





### A placemat for Uni-restaurants





3 CITIES
4 CAMPUSES

Gembloux Agro-Bio Tech

Restaurant (250 visitors/day)





Faculty of Veterinary Medicine Restaurant (400 visitors/day)

**Agora** Restaurant (1000 visitors/day)

- Liège town-centre
- Liège Sart Tilman
- Gembloux Agro-Bio Tech
- Arlon Campus Environment





### Selecting a research paper



### Browsing ULiège Open Repository and Bibliography

### Selection criteria 🕖

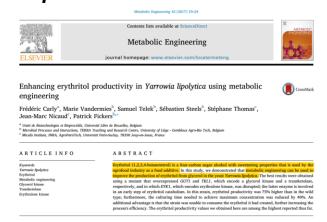


- ✓ ULiège researchers
- ✓ Recent (2017-2019) and high ranked publication
- ✓ Link with **food** (agronomy medicine veterinary medicine)
- ✓ Involvement of researcher(s)





### Paper selection





# From the paper to the placemat



**Reading** of the selected paper



# Consider additional literature review



# **Selecting** the most relevant parts of the study



### Adaptation to the **target**



#### GLOSSAIRE

**Polyol**: polyalcools composés de carbone, d'oxygène et d'hydrogène

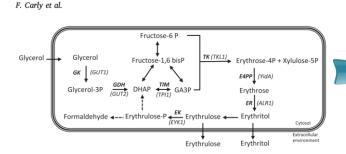
Route (ou voie) métabolique : suite de réactions chimiques se déroulant dans une cellule vivante, aboutissant à la synthèse ou à la dégradation d'une molécule biologique

Souche recombinante : variante génétique d'un micro-organisme (ici la levure Y. *lipolytica*) dont le génome a été modifié. Lorsque les gènes modifiés sont impliqués dans le métabolisme, on parle d'ingénierie métabolique

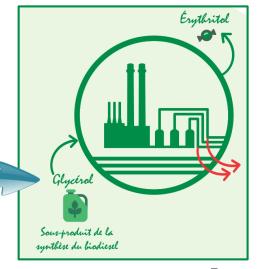
Édulcorant de charge : édulcorant ayant un pouvoir sucrant proche du sucre de table (dont le pouvoir sucrant est de 1). Par opposition, les édulcorants intenses ont un pouvoir sucrant élevé (200 pour l'aspartame)

Osmotolérant : se dit d'un organisme capable de croître dans une large gamme de concentrations osmotiques

### Looking for **analogies**



Pathway used by a yeast to produce erythritol



Microscopic factory



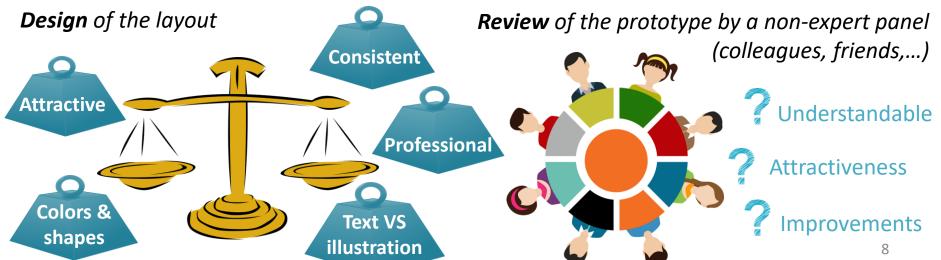
### From the paper to the placemat



### **Discussion** with the researcher

- ✓ Propose a first draft
- ✓ Ask about unclear points (content)
- ✓ Check the accuracy of analogies used
- ✓ **Visit** the lab
- ✓ Take / ask for **pictures**







### From the paper to the placemat



bioréacteurs (systèmes qui permettent de multiplier les micro-

organismes). Outils précieux dans le domaine des bioprocédés, ils permettent de mesurer de nombreux paramètres en cours de culture et d'intervenir pour modifier le pH, température, etc.

Les concentrations de glycérol et d'érythritol ont été mesurées pour chaque souch, afin de sélectionner la souche la plus efficace pour transformer le glycérol en érythritol.



**Glossary** 

QR code

→ full-length
publication

**Methods** 

Highlight the **key**points → quick read



# On the trays of Uni-restaurants





Mon-Tue: Veterinary Medicine



• Wed-Thu: **Agora** 

Was too simple



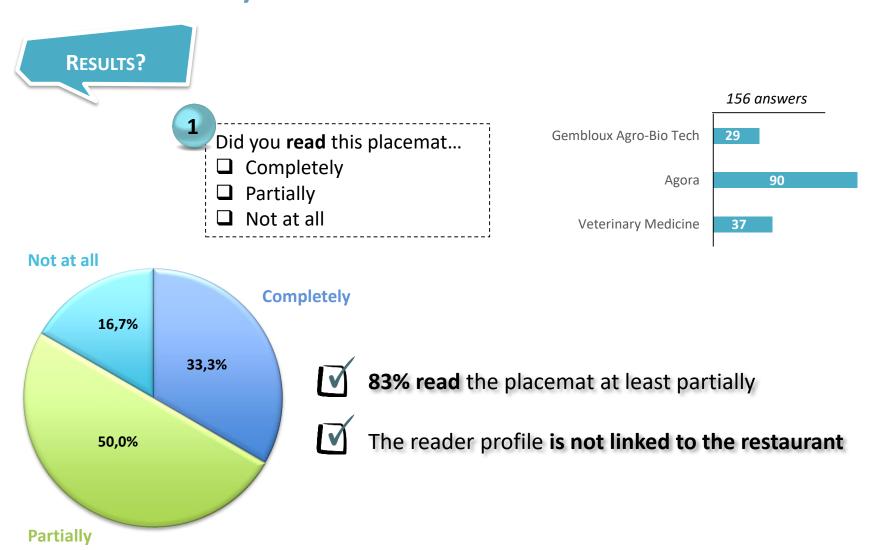
• Fri: Gembloux Agro-Bio Tech



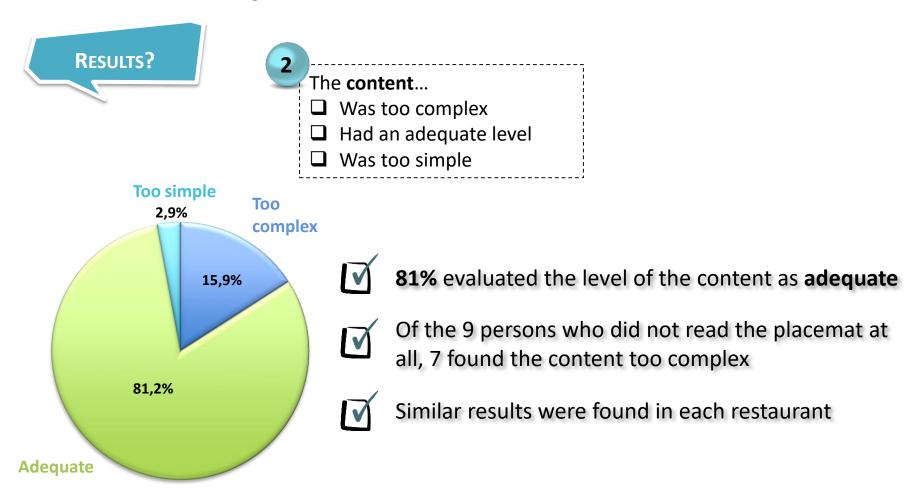
Neutral

Evaluation form	3		_
Did you <b>read</b> this placemat  Completely	Have you <b>ever</b> this research by Yes		5 Do you have any suggestions
☐ Partially ☐ Not at all ☐ The <b>content</b>	No t		you like to read placemats on opics in the future?
☐ Was too complex☐ Had an adequate level		☐ Yes	









Analysis restricted to fully completed forms (138/156)



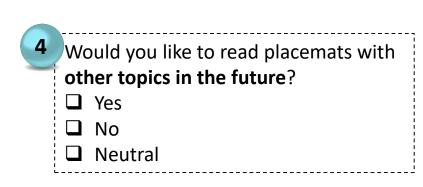


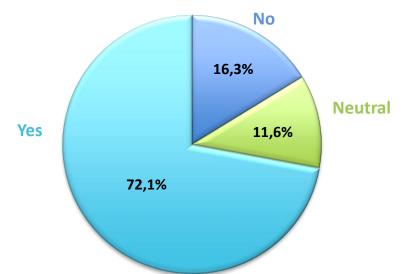


Among the 129 answers, only 7 persons reported knowing about this research, including 6 in Gembloux Agro-Bio Tech where the reasearch was performed



Among fully completed forms, analysis restricted to people who read the placemat at least partially (129/138)



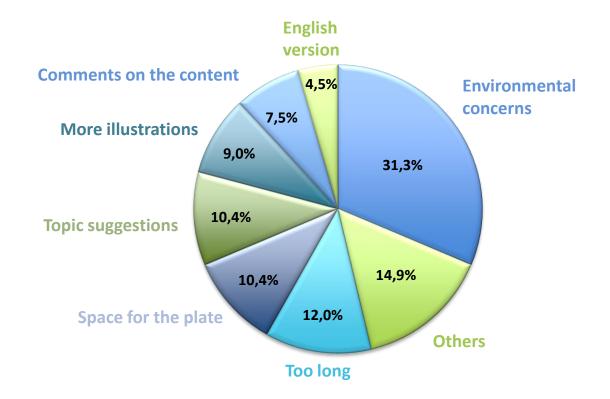


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5 Do you have any suggestions?



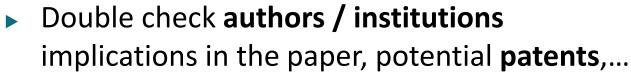


## Lessons learned from this first experiment





- Introduce the placemat
- Explain the concept







## Concluding remarks

**CONCLUSIONS & PERSPECTIVES** 

Value of bringingresearch out of the labs



Potential improvements regarding the layout



Recycled paper





Allow for reading without moving the plate

Include self-service restaurantsoutside the university















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