“CAN A *BYTE* IMPROVE YOUR *BITE*?”

Henrichs, E.; Noack, T.; Pinzon Piedrahita, A.M.; Salem, M.A.; Stolz, J.; Krupitzer, C. Can a Byte Improve Our Bite? An Analysis of Digital Twins in the Food Industry. Sensors 2022, 22, 115. https://doi.org/10.3390/s22010115

BBTWINS

Digital twins technology

BBTWINS will combine blockchain, artificial intelligence (AI), machine learning, the Internet of Things (IoT) and software analytics to develop and validate two innovative digital twins in two use cases.

- Blockchain
- Artificial Intelligence
- Machine Learning
- Big Data
- Internet of Things
- Software Analytics

This project has received funding from the Bio-based Industries Joint Undertaking under the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 101023334.

BBI JU

Bio-based Industries Consortium

Horizon 2020 European Union Funding for Research & Innovation

Sensors & IoT: peaches

PANOimagen

BBTWINS

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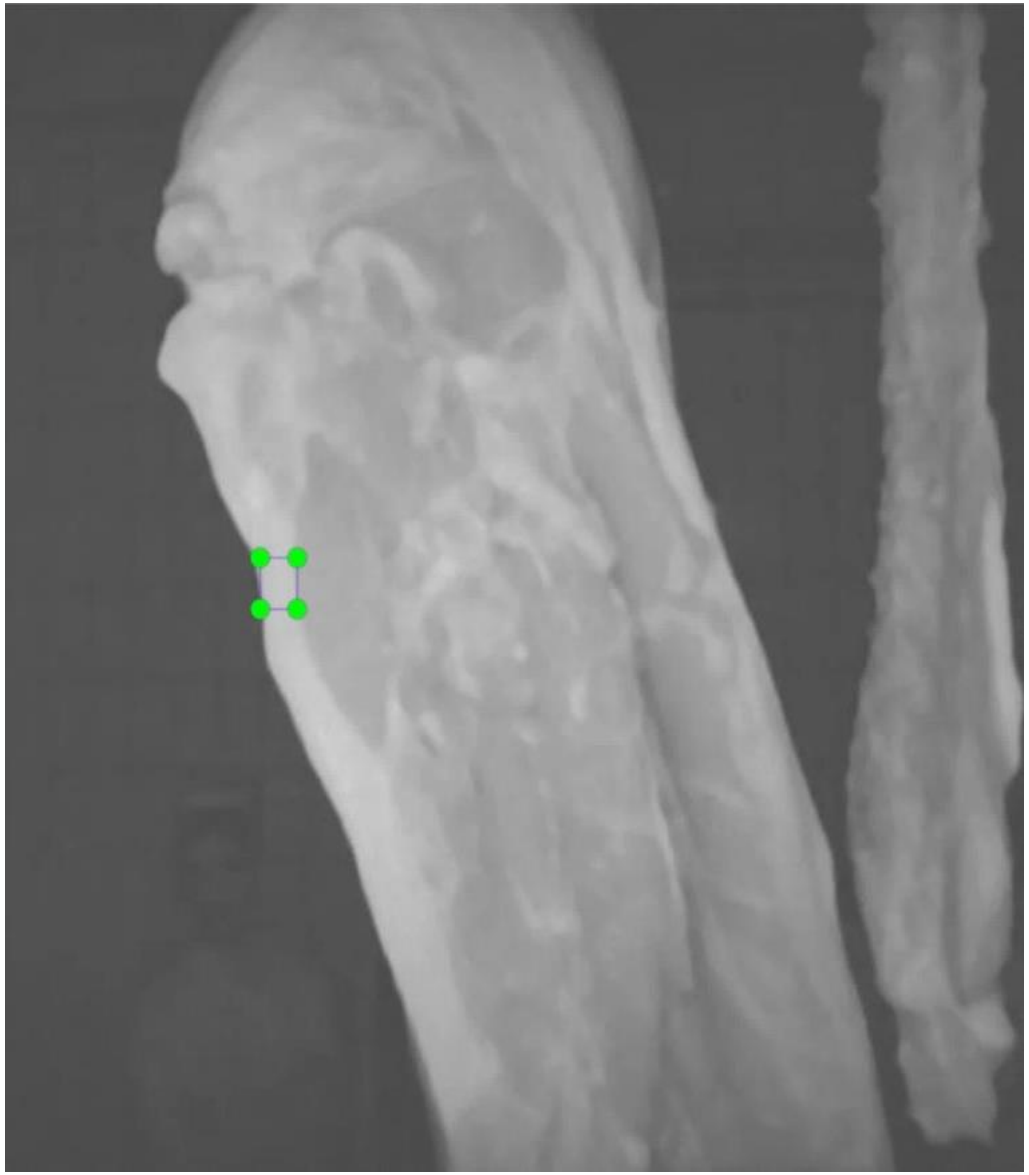
Horizon 2020 European Union Funding for Research & Innovation

Guess!



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Horizon 2020
European Union Funding
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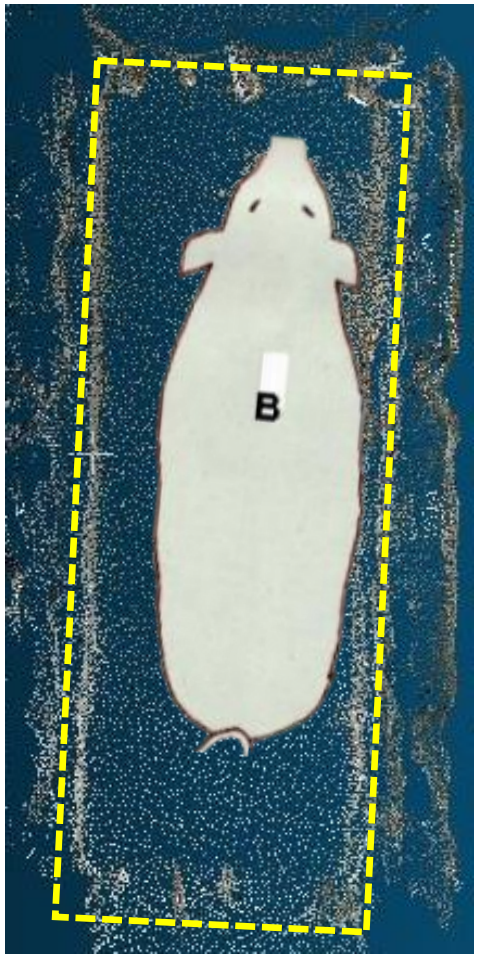
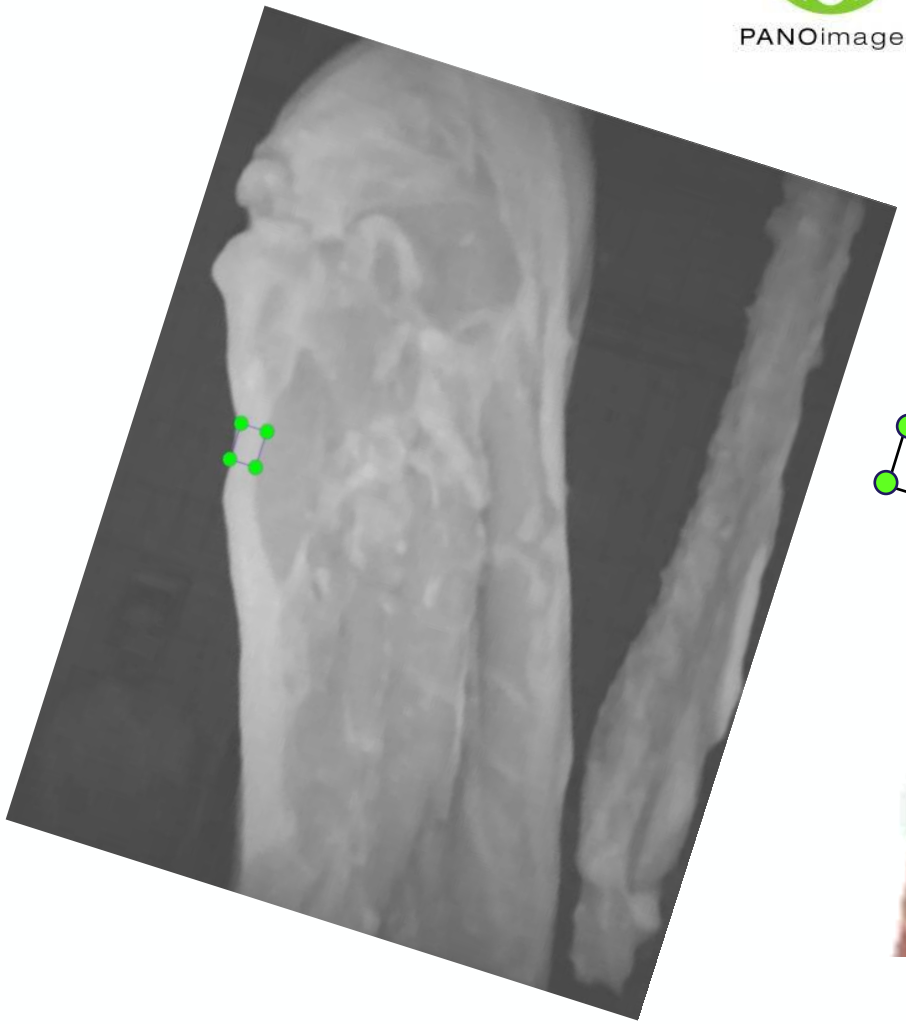
Sensors & IoT: pork





BBTWINS

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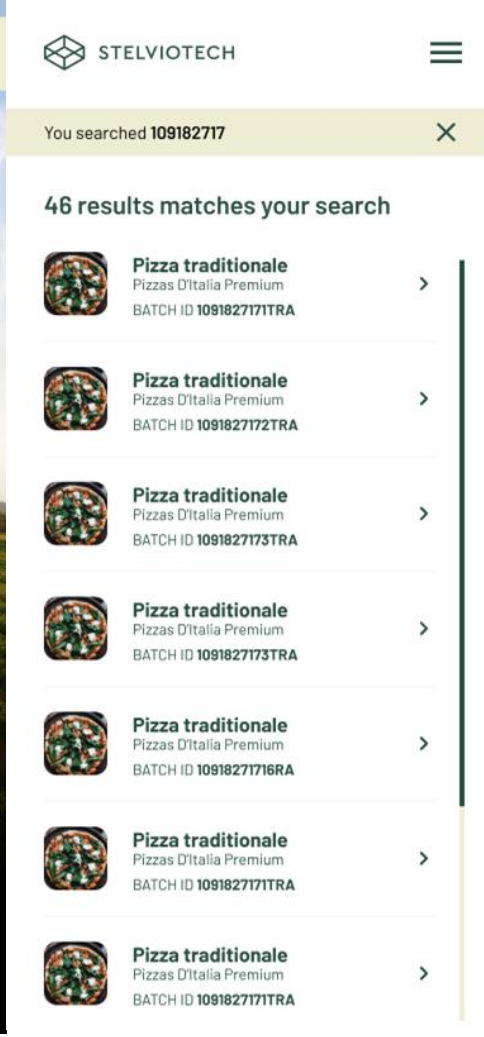

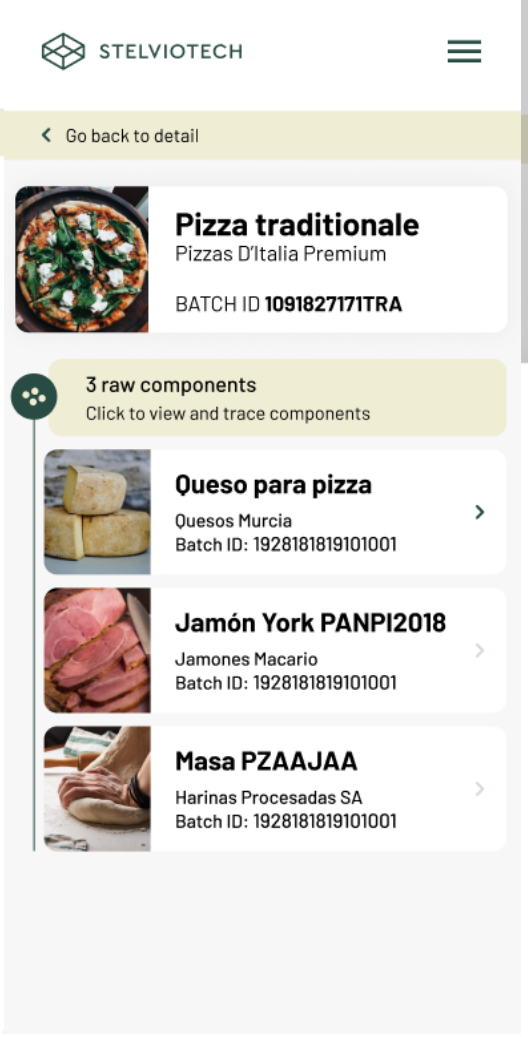

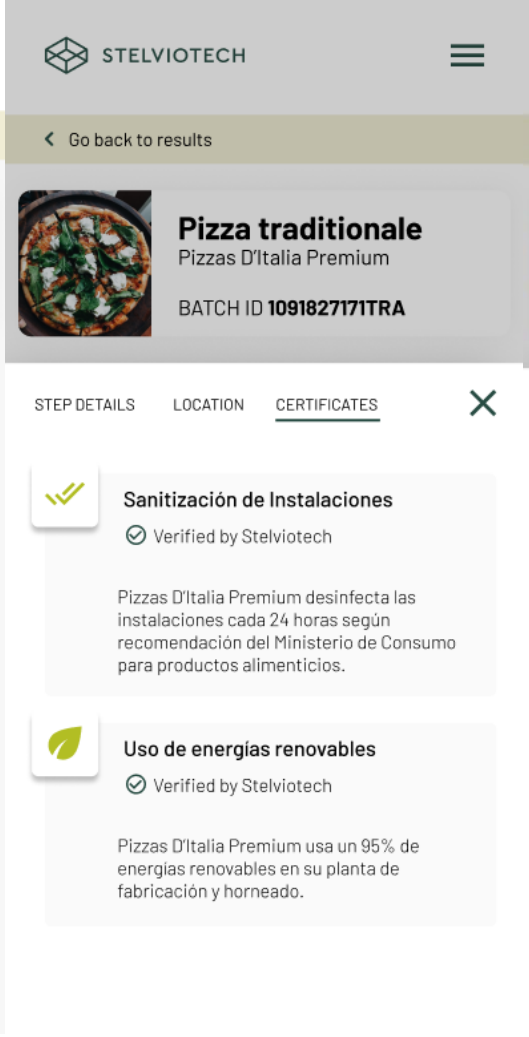

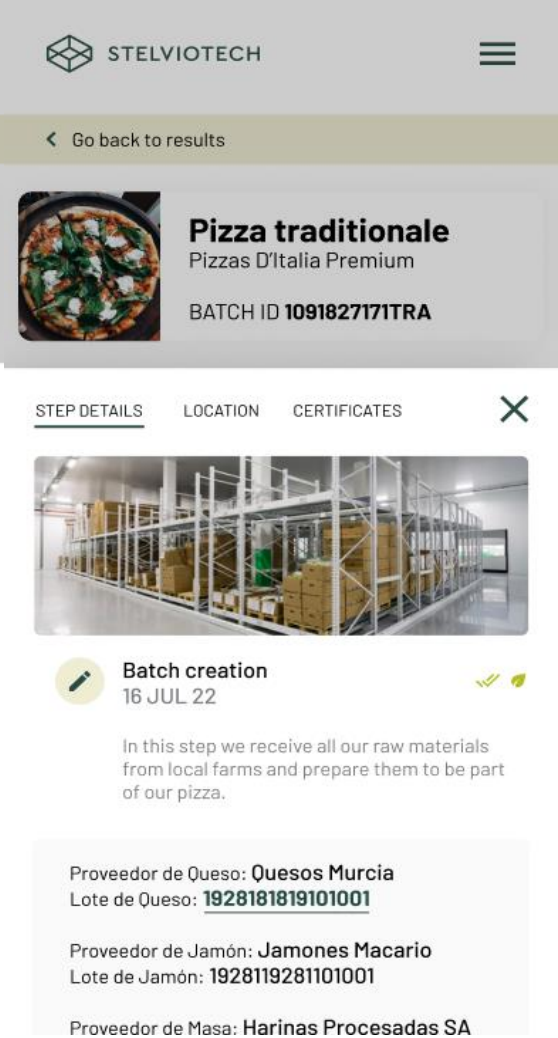

Blockchain: Traceability w/ QR + consumer app

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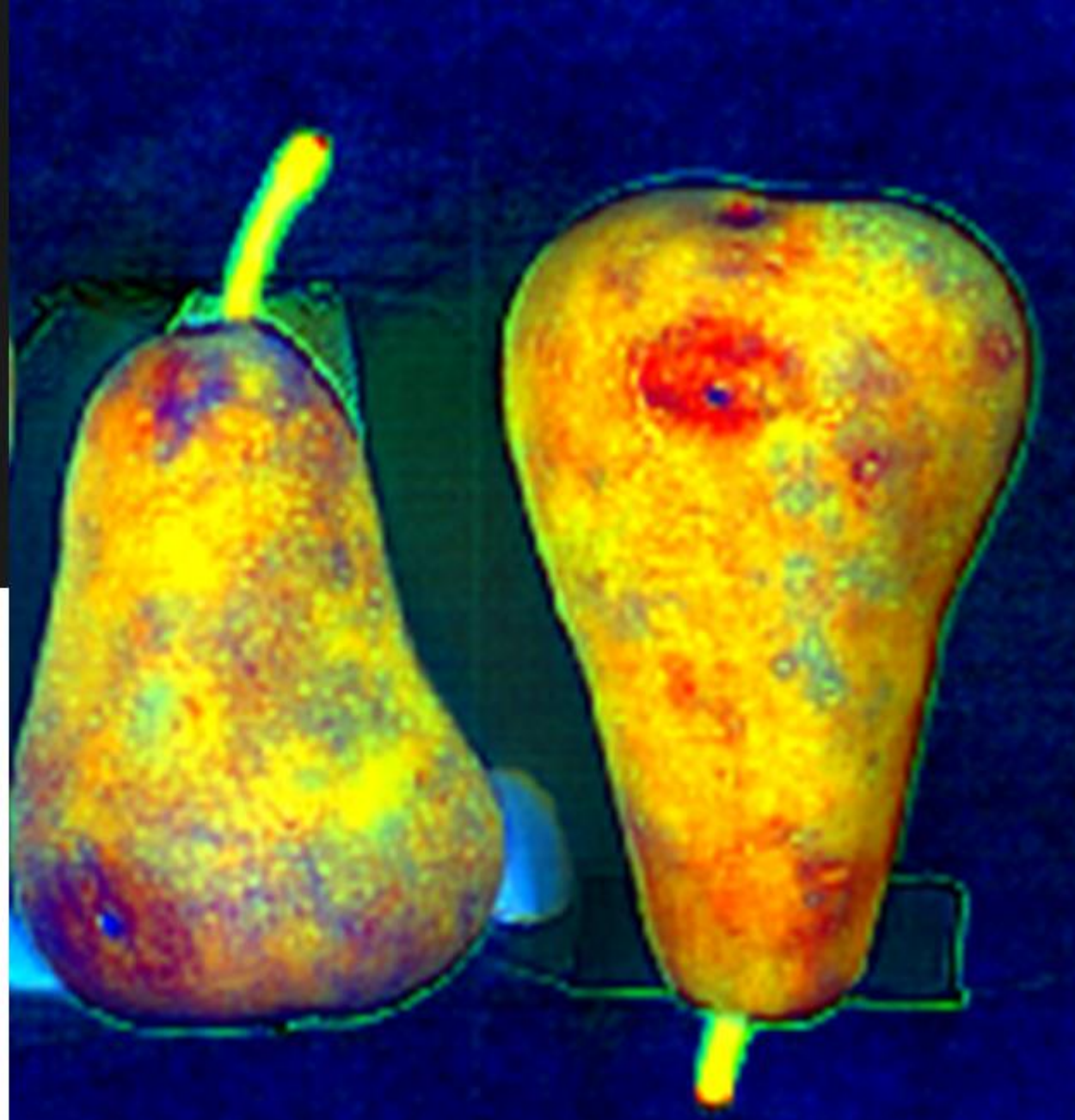
Spectra Set

Old damage

good

new damage



BBTWINS

Ctic Cita.
CENTRO TECNOLÓGICO

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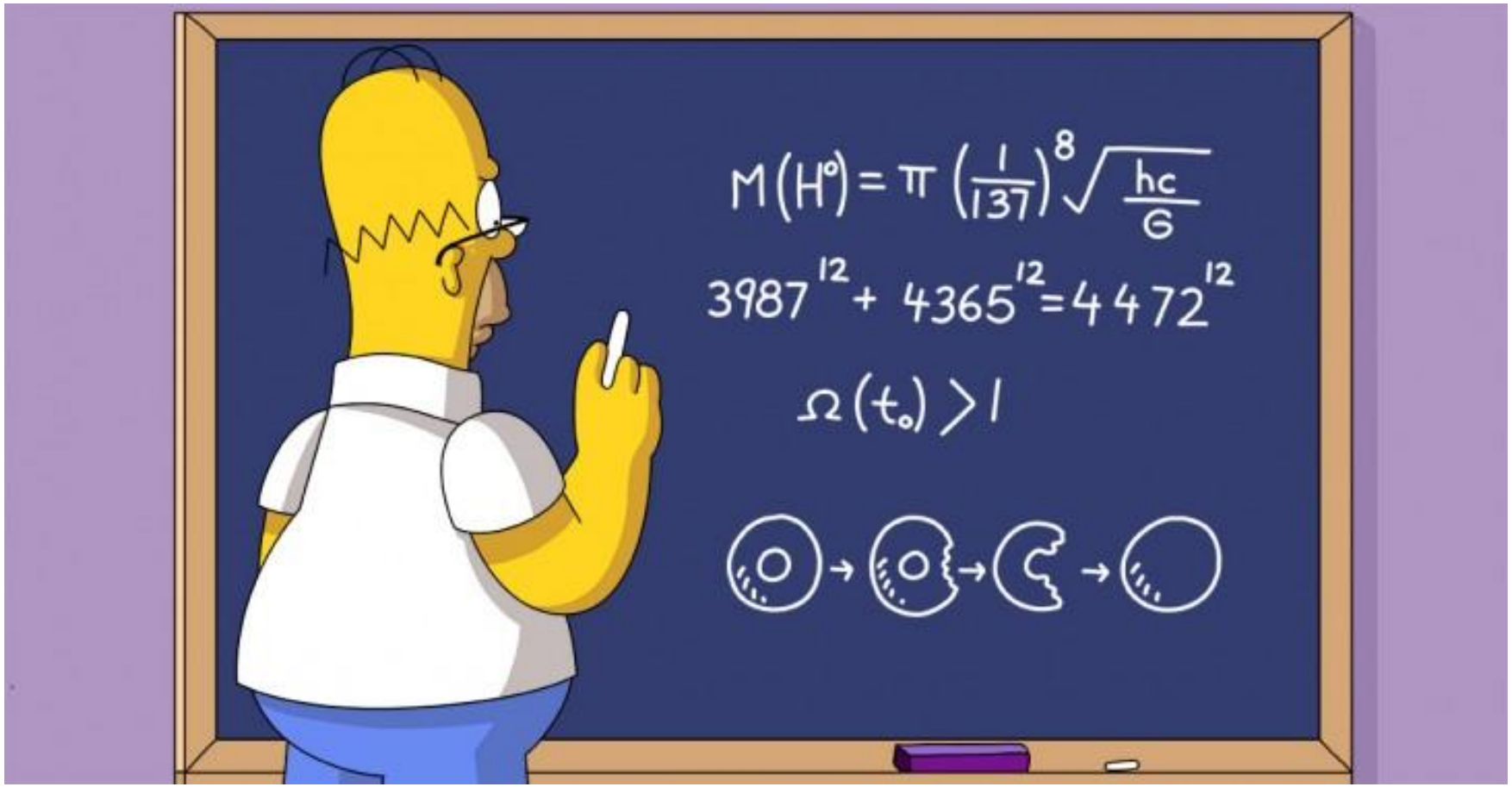
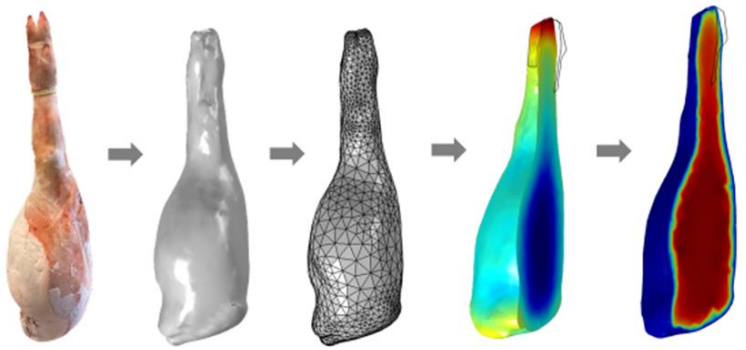
Bio-based Industries Consortium

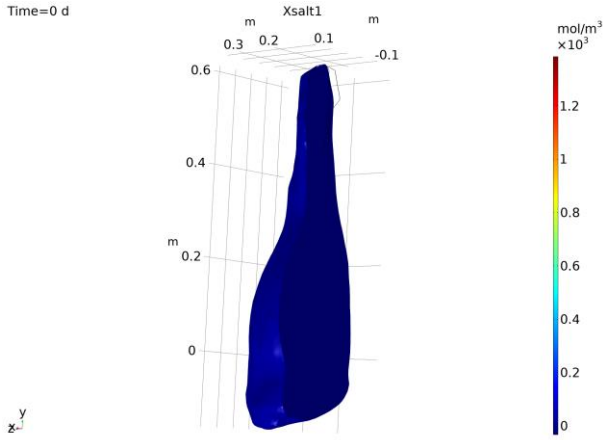
Horizon 2020
European Union Funding
for Research & Innovation

MODELIZACIÓN DE PROCESOS ALIMENTARIOS



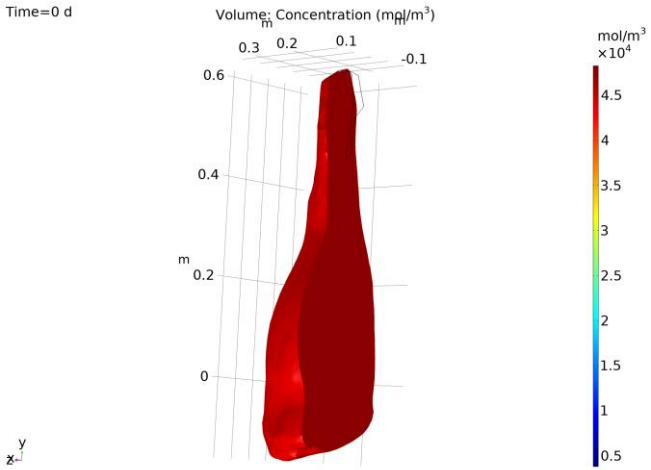
MODELIZACIÓN DE PROCESOS ALIMENTARIOS
SIMULACIÓN DEL SECADO DE JAMÓN CURADO





Concentración Sal

Concentración Agua



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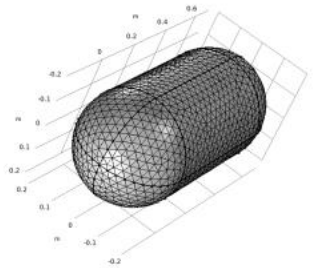
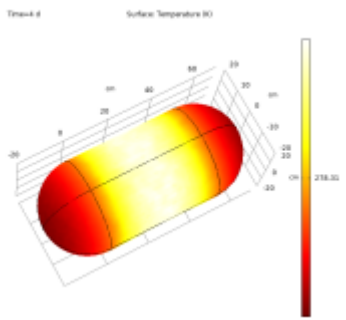
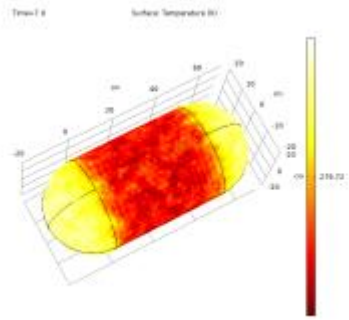
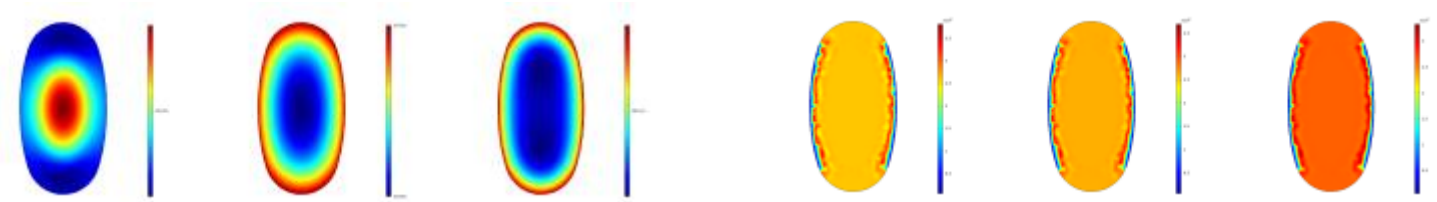
MODELIZACIÓN DE PROCESOS ALIMENTARIOS

SIMULACIÓN DEL CURADO DEL CHORIZO RIOJANO



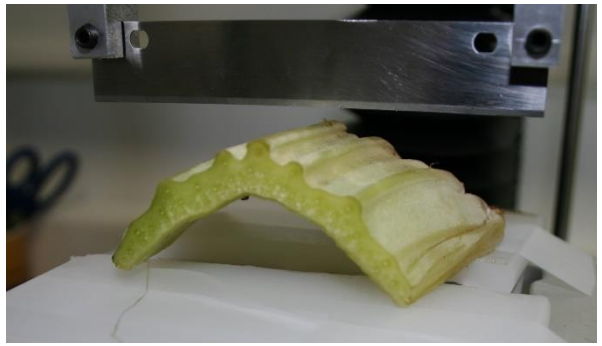


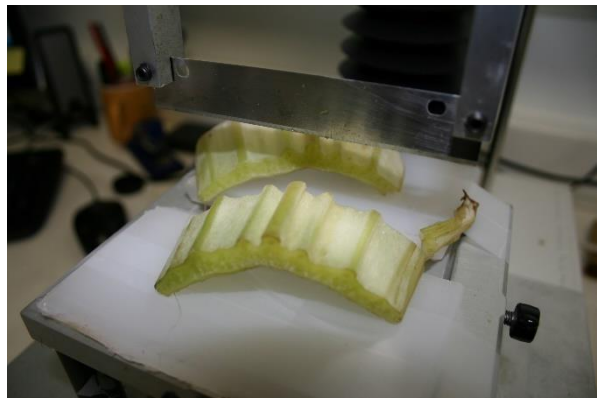


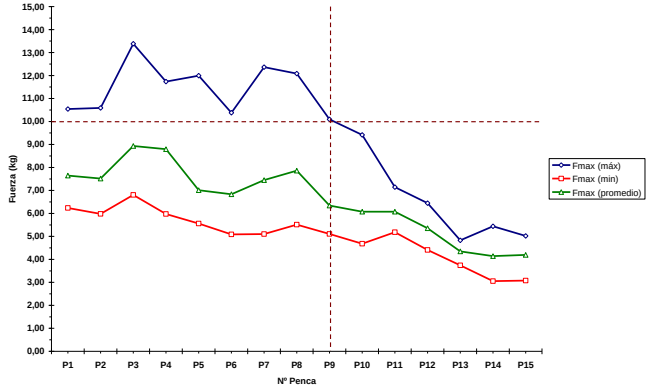


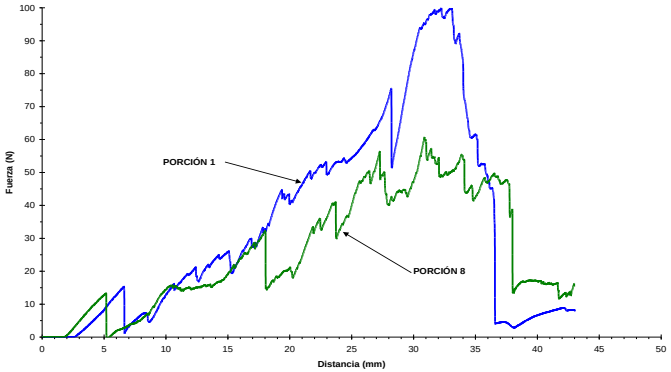
MODELIZACIÓN DE PROCESOS ALIMENTARIOS

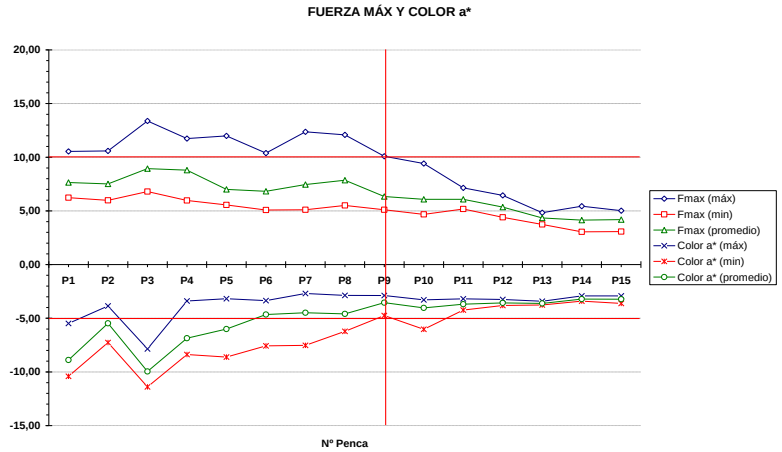
MODELO DE PREDICCIÓN DE LA FIBROSIDAD DEL CARDO

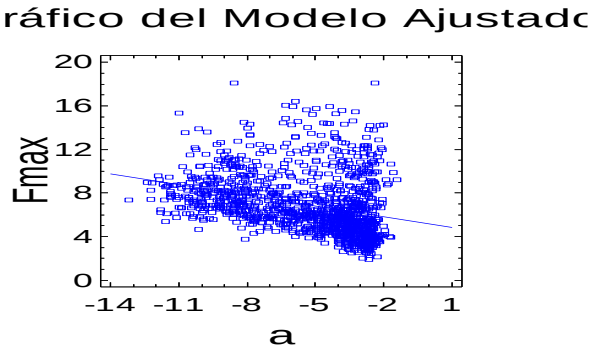






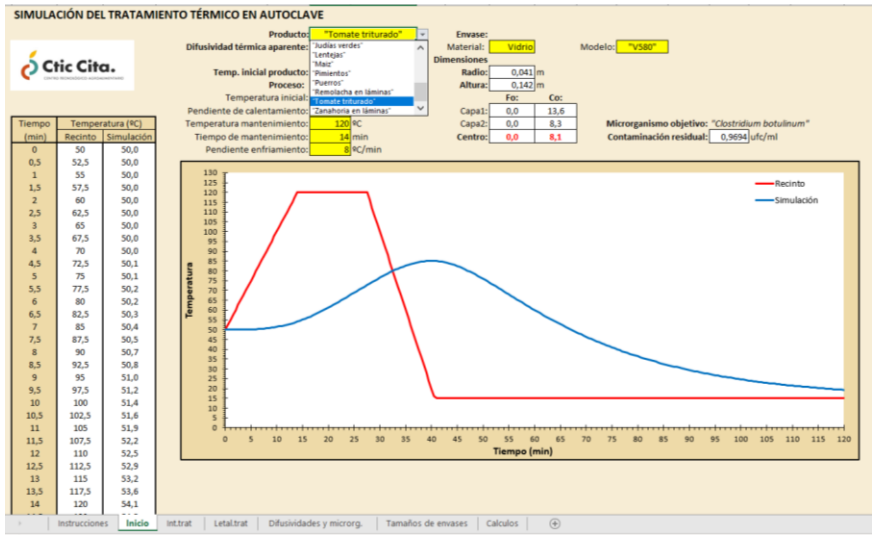


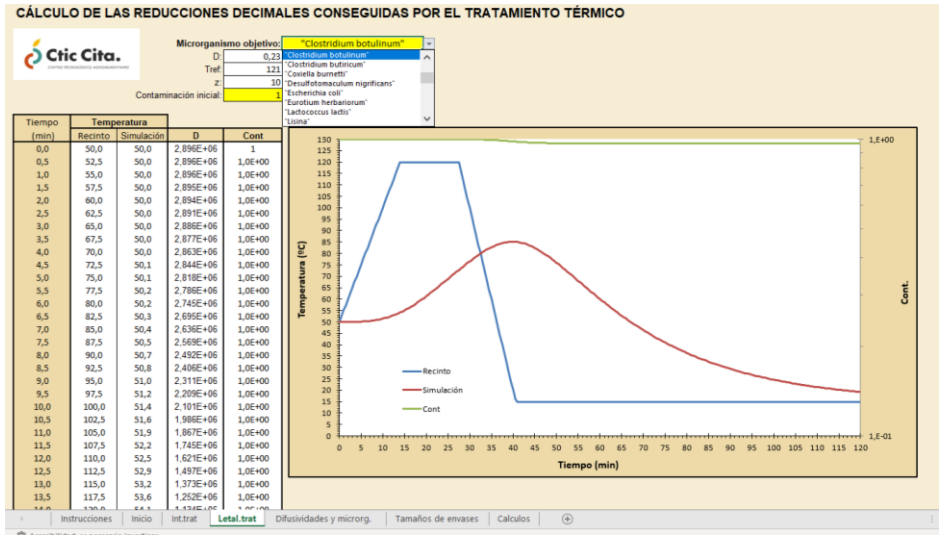


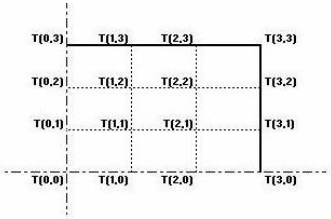


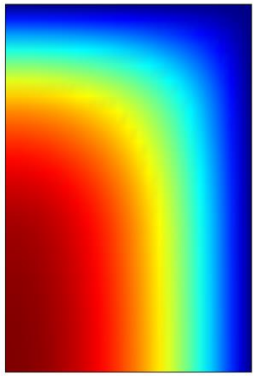
MODELIZACIÓN DE PROCESOS ALIMENTARIOS

SIMULACIÓN DEL TRATAMIENTO TÉRMICO EN CONSERVA (ENVASES CILÍNDRICOS)





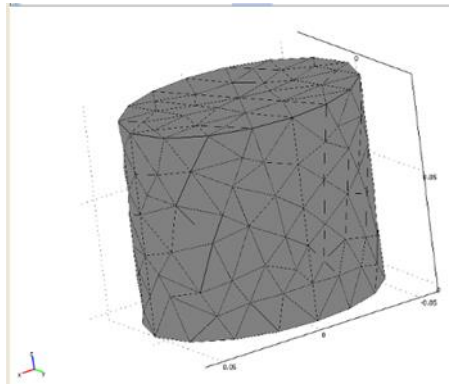


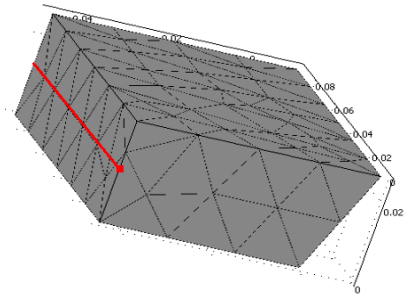


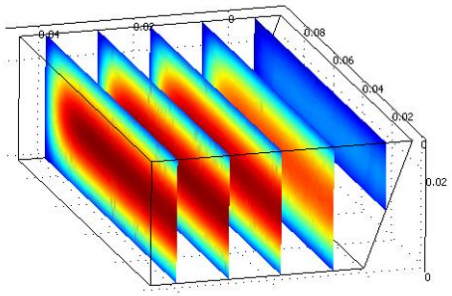
FUDin by Ctic Cita. Innovative Solutions
CENTRO TECNOLÓGICO AGROALIMENTARIO

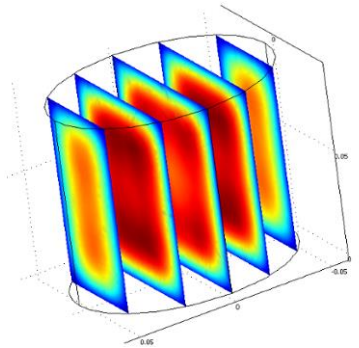
MODELIZACIÓN DE PROCESOS ALIMENTARIOS

SIMULACIÓN DEL TRATAMIENTO TÉRMICO EN CONSERVA (ENVASES FLEXIBLES)









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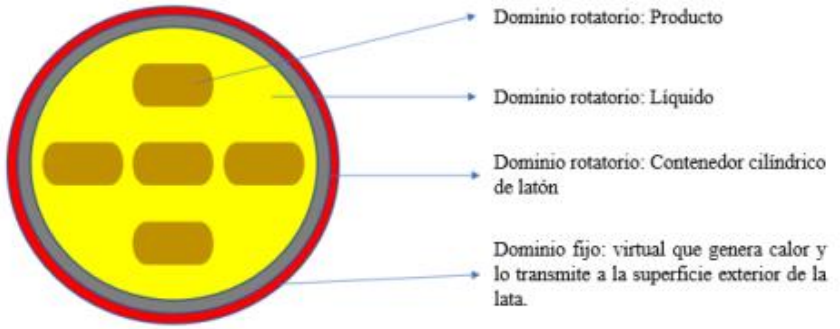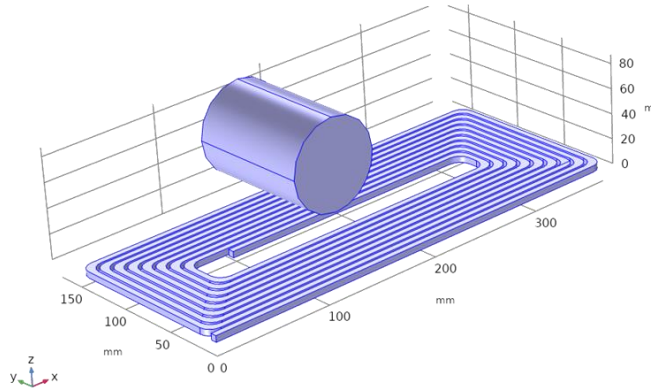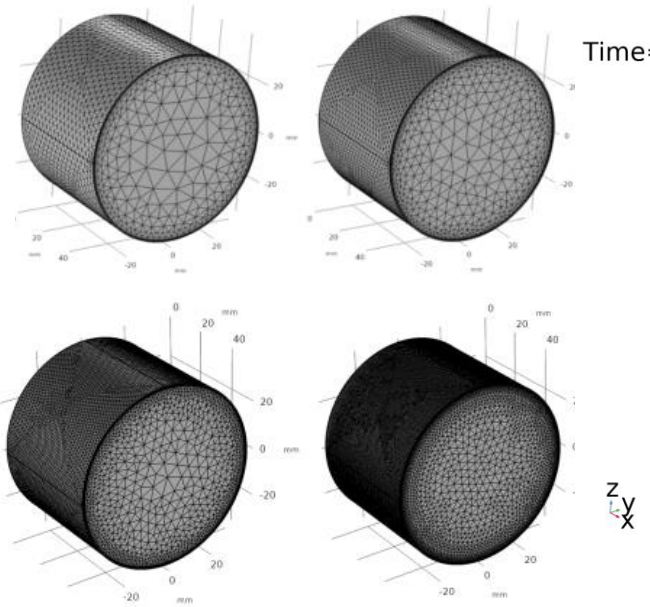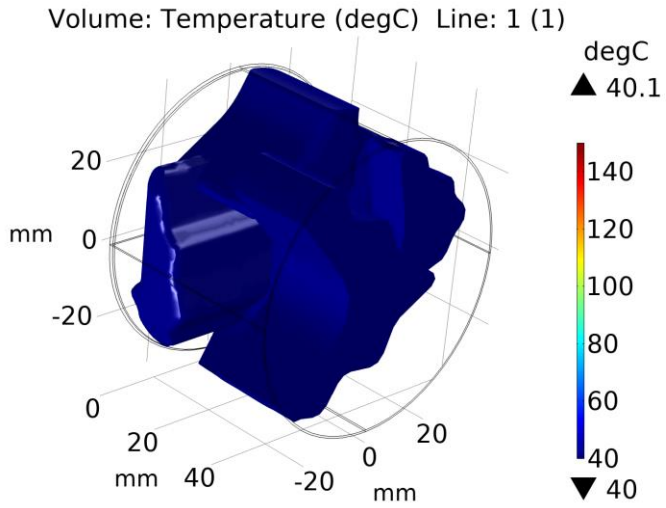
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