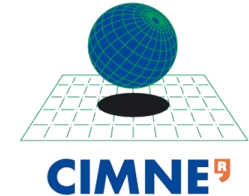


Grup de recerca: **Centre internacional de mètodes numèrics en l'enginyeria, CIMNE**

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Numerical analysis (finite element based) for an accurate simulation of food preservation processes such as:

- Sterilization
- Pasteurization
- Freezing
- Drying

User friendly software (ProFood) for:

- Optimization of process preservation parameters
- Analysis of nutrients and micro-organisms kinetics evolution
- Environment characterization: temperature and humidity control

FOOD ENGINEERING

- Development of numerical techniques for the simulation and dynamic optimisation of food preservation processes.

- Development of a virtual environment for information, e-learning and web computing in the food engineering industry.

- Analysis, dynamic optimisation and control of processes such as:

- Thermal sterilisation

- Pasteurisation

- Aseptic processing

- Freezing

- Emerging technologies

