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## TRAINING

# Process modelling and simulation with USIM PAC Agro software

For agro-industries applications

### OBJECTIVE

Discovering the USIM PAC Agro software functionalities for design and optimization of agro-industries process

### INTENDED AUDIENCE

Process engineers, technicians, students concerned by process design and optimization of biorefineries and food processes

## OUTLINE

### General presentation of USIM PAC Agro software

- Main functions
- «Guided tour»
- Modelling of material from living sources
- Presentation of the main unit operation models for agro-industries

### Generation of a consistent and detailed mass balance from measured data

- Principles of data reconciliation by material balance / required data / algorithm
- Application example: material balance of a pilot operation for plants extraction

### Sizing an industrial plant from pilot operation data

- Main equipment sizing
- Establishment of predictive material balances
- Investment and operation cost calculation

### Existing plant optimization

- Equipment settings
- Improvement of material yields
- Optimisation of thermal exchanges

## TEACHING METHODS

- Training is based on documents given to the trainees
- Using specialized software products, trainees will apply the theory to solve industrial case studies

## PREREQUISITES

- Computing: Use of spreadsheet software (such as Microsoft Excel)
- Process: basic notions on main equipment, physical and chemical process of primary material from living sources (plants, algae, milk, sea...)

## DURATION

2 days

## REGISTRATION FEE

1250 € (excl. taxes)

## DATES

- March 18-19, 2019
- November 25-26, 2019

## VENUE

Orléans, France

## ADVANTAGES

- Practical approach of simulation
- Training in French, English or Spanish



REGISTER

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## REGISTRATION FORM

**To send back by e-mail or postal mail**

Tel : +33 2 38 64 31 96 - E-mail : info@caspeo.net

CASPEO - 3 Avenue Claude Guillemin - BP 36009 - 45060 ORLEANS CEDEX 2 - FRANCE

### INFORMATION ABOUT THE TRAINING SESSION

Training session

Date

Price

How did you hear about it?

### COMPANY INFORMATION

Name

Address

Zip code

City

Country

VAT No  
(for European country)

### PARTICIPANT INFORMATION

Name

Surname

Position

Phone

E-mail

Name

Surname

Position

Phone

E-mail

Date

Signature

**For any cancellation, less than 10 days before the start of the training session, 50% of the price will be invoiced.**

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