



SCIENCES  
TO ENHANCE YOUR RESOURCES

Innovation

## USIM PAC AGRO

Process simulation and optimisation  
software for agro-industries

USIM PAC AGRO is the first process simulation software for biorefining and food processing.

USIM PAC AGRO facilitates the design, the monitoring and the optimisation of raw material refining and processing. It is a tool that allows you to model your production lines from real data, without having to interrupt your production as during plant tests.

The power of USIM PAC AGRO is to take into account in the same time all the materials of a process, both in their composition and in their texture, and your production system at a whole. With USIM PAC AGRO, forget spreadsheets and empirical evaluations!

DESIGN

MONITORING

OPTIMISATION

- Material, water, energy, CO2 balances
- Enhancement of material yields and products quality
- Improvement of economic and environmental performance
- Equipment sizing
- Tuning of operating parameters
- Comparison of scenarios

Nearly 250 customers in 50 countries trust us.  
[www.caspeo.net](http://www.caspeo.net)



## USIM PAC AGRO, the solution to optimise your process



**Graphical interface**



**Data reconciliation algorithm**



**Multi-criteria description of the material**



**Batch or continuous processes**



**+ 150 dedicated unit operation models**



**Personalization of the equipment models**

## USIM PAC AGRO, to better control your treatment processes

- Total system approach
- Decision making tool
- Graphical approach (flowsheeting)
- Coherent and reliable mass balances
- Easy -to-use and highly configurable software
- Reduction of measurement and calculation errors
- Time saving and efficiency improvement
- Easy re-use of developed models
- A single modeling environment
- Better sharing of information between actors of a project

## CASPEO, a team of experts in process engineering

For nearly 14 years, CASPEO helps its customers in their raw materials upgrading. CASPEO solutions range from consulting to technical studies and R&D projects. They are based on a unique modeling approach, powerful software tools and deep knowledge of the raw materials and their treatments.

CASPEO relies on a team of specialists in agro-industries, waste and mineral processing. Measurement, sampling, analysis, design and optimisation of raw material processing: our team assists you to take the best decision.

CASPEO also offers training in sampling and simulation and owned software. Our company is also the French distributor of FluidFlow, a pipe network design software.

