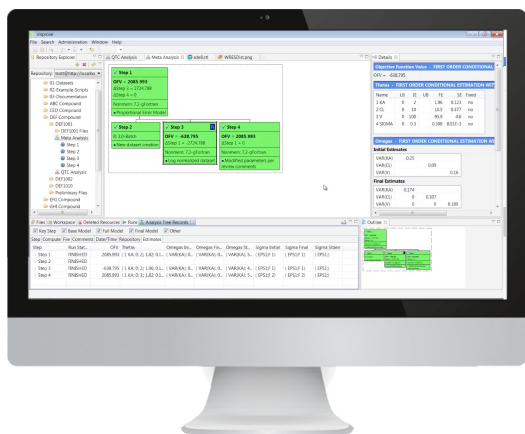




factsheet

⚡ the challenge.

The development of drugs is time-consuming and costly. Several studies report costs of far more than US\$ 1 billion to bring a drug to the market. It is estimated that around 90 percent of compounds (drug candidates) will fail during the drug development process. Hence, the drug-producing industry is in search of new tools to improve the efficiency in developing safe and effective drugs.

Computational modeling and simulation in the preclinical phase has become more and more the preferred approach of the industry. However, regulatory institutions (FDA, EMA) require that each step of the modeling process is fully documented ("validation") – this is in direct contrast to the way a modeler works: modeling is like doing experiments – it is an incremental process: output from a step leads to refining the model used.

While a variety of software products and models is available and used (eg. NONMEM, R, EXCEL, FORTRAN Libraries..), there is not a real solution for supporting the way a modeler works that allows using different tools and at the same time fulfills the regulatory requirements automatically.

⚡ the solution.

improve for PK/PD modeling

The main concept behind improve is to cover control and traceability over your complete modeling and simulation workflow while retaining the simplicity and ease of use of a file explorer.

improve combines a global, secure file repository with a robust and versatile modeling management interface for tools like NONMEM®, SAS®, S-Plus, R, Perl, Berkeley Madonna, PsN, XPose and others.

improve lets you submit jobs to a local or remote server, grid and cloud services.

improve.repository

The improve repository stores all of your data in its versions and variants with all your decisions and processing steps. It keeps track of the "who, when, where, what, why and how" of your changes. The repository provides a global and secure file store that allows access for all users within an organization. Every file and folder in the repository is versioned and security controlled.



improve.workbench



The improve workbench is the "cockpit" for your modeling and simulation tasks. Here you define your modeling steps and start your simulation activities. You access your favorite tools like R, SAS, NONMEM or others.

improve.runserver

The improve runserver monitors all your tool executions without you having to take care of. When the run is finished, all the results are automatically and securely stored in the improve repository.



⚡ the company.

scinteco was founded in 2011 by a team of experienced software developers and software architects. The team has worked for the pharmaceutical industry since 2003. Since 2010 more than 25 person years have been spent on the development of research and medical applications.

scinteco is an ISO 9001:2008 certified company for the design, development, distribution and support of medical software.