



COMPARISON OF FUNCTIONS OF THE UMBERTO VERSIONS

Functions	Umberto consult & Umberto academic *	Umberto business	Umberto educ
Umberto - Software for Material and Energy Flow Analysis and LCA: Graphical modeling in network editor, hierarchical networks, material administration, specification of processes linearly and non-linearly with functions, parameter variation, scenario analysis, inventory comparison.	✓	✓	✓, scenarios with max. 20 processes, four hierarchy levels, max. 600 materials per project
Process library with approx. 620 modules from different industrial sectors (see list of modules), storing of process linear and non-linear definitions in the Umberto Library for re-use	✓	✓	✓, 200 modules max. capacity, delivered with 100 modules
Process Library ecoinvent v2.x with ca. 4.000 modules	optional	optional	-
Calculation, Display, Analysis of Inventories, Chart Tool for Diagrams	✓	✓	✓
Assessment of Inventories with pre-defined valuation methods	✓	✓	✓, one method
Cost Accounting	✓	✓	✓, max.10 cost types
Sankey visualization for material and energy flows and costs	✓	✓	✓
Valuation System Editor to create individual or adapt existing assessment methods	✓	✓	✓, max.10 indicators
Component for Library administration, modification and documentation of stored modules	✓	-	✓
Storing of subnets as modules to the Umberto Library for re-use	✓	-	✓
Print Reports	✓	✓	✓
Input Monitor	✓	✓	✓
Dynamic Modeling and Monte Carlo Simulation	✓	-	✓
Run Scripts (VB Script, Java Scripts, Python, Perl)	✓	✓	✓
ASCII, Excel, SQL and XML Interfaces	✓	✓	✓
COM/DCOM Import/Export Interface	✓	✓	✓
EcoSpold Process Data Interface	✓ import/export	✓ import only	✓ import only
Right to use the software for consulting of third party	✓	-, inhouse use only	-, only for use in education
Update-Service: Delivery of all intermediate updates of program and process data, support queries by email, fax or phone with guaranteed response within 24 hrs on working days	optional	optional	optional

* Reduced price version for use in non-commercial research projects.
As of May 2008. The current version is Umberto 5.5.