



COMPARISON OF FUNCTIONS OF THE UMBERTO VERSIONS

	Umberto consult*	Umberto business	Umberto educ	Umberto viewer
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, two hierarchy levels, max. 300 materials/ project	reduced range of functions, no active modeling, viewing of models only
Process library with approx. 600 modules from different industrial sectors (see list of modules), storing of process linear and non-linear definitions in the Umberto Library for re-use	✓	✓	✓, delivered with 100 modules (max. capacity)	-
Process Library ecoinvent v1.x with ca. 2800 modules	optional	optional	-	-
Component "Sankey" for material and energy flows and costs	✓	✓	✓	✓, only on/off
Component "Valuation System Editor" to create individual or adapt existing assessment methods	✓	✓	✓, max.10 indicators	✓, viewing only
Component "Cost Accounting"	✓	✓	✓, max.10 cost types	✓, viewing only
Calculation, Display, Analysis of Inventories, Chart Tool for Diagrams	✓	✓	✓	✓
Assessment of Inventories with 4 pre-defined valuation methods	✓	✓	✓, one method	✓, depends on modeller
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	✓	✓	✓	✓
SQL, Excel, ASCII Import/Export Interface	✓	✓	✓	-
COM/DCOM Import/Export Interface	✓	✓	✓	-
EcoSpold Process Data Interface	✓ import/export	✓ import only	✓ import only	-
Dynamic Modeling and Monte Carlo Simulation	✓	-	✓	-
Run Scripts (VB Script, Java Scripts, Python, Perl)	✓	✓	✓	-
Right to use the software for consulting of third party	✓	-, inhouse use only!	-, only for use in education!	✓, to hand over results to clients
Obtain Umberto Viewer versions to hand over model and project results to client	✓	-	-	-
Update-Service: Delivery of all intermediate updates of program and process data, support queries by email, fax or phone with guaranteed response within 48 hrs on working days, access to myUmberto forum	optional	optional	optional	-

* Umberto 5academic (reduced price version for use in non-commercial research projects) has the same functionality As of November 2005. The current version is Umberto 5.0