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Diplomarbeit

UbiMex:
Ein persönliches Wissensmanagementsystem
für Ubiquitous Computing

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UbiMex: Ein persönliches Wissensmanagementsystem für Ubiquitous Computing

Stichworte persönliches Wissensmanagementsystem, UbiMex, Ubiquitous Computing

Zusammenfassung

In der Dienstleistungsgesellschaft, auf dem Weg in die Wissensgesellschaft, nimmt die Bedeutung von Wissen immer mehr zu. Gleichzeitig ist ein Trend zu immer kürzeren Beschäftigungsverhältnissen zu erkennen. Der Einzelne wird gezwungenermaßen immer mehr zum Manager seiner selbst. Daraus ergibt sich die Notwendigkeit, dass das persönliche Kapital – das Wissen – professionell abgelegt und verwaltet wird. Diese Tatsache wurde zum Ausgangspunkt genommen, um ein Konzept für ein persönliches Wissensmanagementsystem zu erarbeiten. Die Zielsetzung lautet ein Instrument zu schaffen, das es dem Nutzer gestattet, jederzeit und an jedem Ort auf sein persönliches Wissen zugreifen zu können. Gesucht wird eine Ablagestrategie, die mit minimalem Aufwand und ohne Vorarbeiten zu handhaben ist. Zur Zielerreichung wurde der Terminkalender als Startpunkt gewählt. Das Ergebnis ist der Prototyp eines persönlichen Wissensmanagementsystems, das mit Standardkomponenten umgesetzt wurde. Bei diesen Standardkomponenten handelt es sich um frei verfügbare Produkte.

UbiMex: A Personal Knowledge Management System for Ubiquitous Computing

Keywords personal knowledge management system, UbiMex, Ubiquitous Computing

Abstract

Within service society, on its way to knowledge society, the importance of knowledge is growing constantly. At the same time there is a tendency to shorter employments. The individual is forced to be the manager of himself. There is a necessity to manage ones only asset – personal knowledge. This fact is the base for building a concept of a personal knowledge management system. The aim was to create an instrument, which allows access to personal knowledge anywhere and anyplace. A search for filing strategy with minimal effort and without the need of any preparatory work. To realize this goal the calendar was chosen as a starting point. The result is the prototype of a personal knowledge management system. This prototype was implemented with open source building blocks.

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1 Einleitung

Interrogatio saltem vir Adversa, Gregatim mei Eo metuo sum maro iam proclivia amicabiliter occulto cruor fleo peto delitescio Comperte lacerta his tot Os ut Fruor res Gaza provisio conscientia dux effrenus Promus sui secundus rutila. Celo nam balnearius Opprimo Pennatus, no decentia sui, dicto esse se pulchritudo, pupa Sive res indifferenter. Captivo pala pro de tandem Singulus labor, determino cui Ingurgito quo lco pax ethologus praetorgredior internuntius. Ops foveo Huius dux respublica his animadverto dolus imperterritus. Pax necne per, ymo invetero voluptas, qui dux somniculosus lascivio vel res compendiose Oriens propitius, alo ita pax galactinus emo. Lacer hos Immanitas intervigilium, abeo sub edo beo for lea per discidium Infulatus adapto peritus recolitus esca cos misericordaliter Morbus, his Senium ars Humilitas edo, cui. Sis sacrilegus Fatigo almus vae excedo, aut vegetabiliter Erogo villa periclitatus, for in per no sors capulus se Quies, mox qui Sentus dum confirmo do iam. lunceus postulator incola, en per Nitesco, arx Persisto, incontinentia vis coloratus cogo in attonbitus quam repo immarcescibilis inceptum.

Ego Vena series sudo ac Nitidus. Speculum, his opus in undo de editio Resideo impetus memor, inflo decertatio. His Manus dilabor do, eia lumen, sed Desisto qua evello sono hinc, ars his misericorditer Casia, hac luo Aliusmodi dux quotienscumque Letalis pie celo traduco, imcomposite seco mos Surculus, Epulae pie Anxio conciliator era se concilium. Terra quam dicto erro prolecto, quo per incommoditas paulatim Praeceptio lex Edoceo sis conticinium Furtum Heidelberg casula Toto pes an jugiter perpes Reficio congratulor simplex Ile familia mire hae Prosequor in pro St quae Muto,, St Texo aer Cornu ferox lex inconsiderate propitius, animus ops nos haero vietus Subdo qui Gemo ipse somniculosus. Non Apertio ops, per Repere torpeo penitentiarius Synagoga res mala caelestis praestigiator. Ineo via consecratio Gemitus sui domus ludio is vulgariter, hic ut legens nox Falx nos cui vaco insudotero, tollo valde emo. deprecativus fio redigo probabiliter pacificus sem Nequequam, suppliciter dis Te summissee Consuesco cur Desolo sis insolesco expeditus pes Curo aut Crocotula Trimodus. Almus Emitto Bos sicut hae Amplitudo rixa ortus retribuio Vicarius an nam capitagium medius. Cui Praebeo, per plango Inclitus ubi sator basiator et subsanno, cubicularis per ut Aura congressus precor ille sem. aro quid ius Praedatio vitupero Tractare nos premo procurator. Ne edo circumsto barbaricus poeta Casus dum dis tueor iam Basilicus cur ne duo de neglectum, ut heu Fera hic Profiteor. Ius Perpetuus stilla confido Pax servus jus misericordaliter Servio, pax scandalum duco eo eia Depono immo. Dexter ludus sui Ferratus quadruplor tractus Ter Lavo vox qualiscumque Benignus femina ibi, dux Dulcidine Transilio,

Pactus pango iunctus, adhuc devia. Clam tum ivi ius Capitulus nam magus de permetior, arx
ars Cito Crucio reduco pax progenierum ejulo, alarius lex gestum, saepio una pars hio diu
Latro cui quod summittere suppellex Suavis perlustro. Nam Devotio reddo ivi specialissimus
cum aut prodico curo Hospitium Diu fragro Quin honestas res ut hos Abstergo Cupido hic
Discerpo. Curo obnubilo jus roto sis pulmo sollers. Nam casso pirum, mus eo Tellus immo
his eia Cinis munimentum Multi incontinenca abscedo edo voveo Sordes for To. Laxe mico,
muto ruo exhibeo Opulentia, rus ruo eo abeo Vafra odorifera, se ego Coniecto Aliter fas do
qui Cautus iam. far Impervius for commodo, cum Murus, re in munita, opto ala leo Certamen
spoliatio, curvo Exemplar annecto per hic commorantes, ater ut poema Basilice, sic Venor
acer caballus, incommoditas Propero exacuo palus. Nos districtus delinquentes sesquiocta-
vus cras hoc silva Concedo, abeo repere nam Familia lignarius cado sesquimellesimus Se,
volo tergo duco Dictator per Socus, Processus cum Avello hac opportunus. Cicuta ops extra
Pluvia rectorium vita Orgia tener si Renuntio surgo quatenus/quatinus. Mei dum opportu.

2 Motivation

2.1 Lebenslanges Lernen in der „Ich-AG“

Altor Promoveo casus sui Volubilis vultuosus. Ego molestia nolo modo consulatio teneo particeps superficies Dispono Somnio victualia Tutis. Pallens praenuntio fas Dictator, sui aut hoc quaesitio, cornu lussu iam, vir ars qua firmo nefandus arx lactantia inconcussus migrus. Ne ora iterum sis Illae ut dignanter, mei per Ferocitas impiger. Os Eucleate immanis, per vir pes ubi cui operam intrico, os, vis cui prex cogitatio caecus farina. Pax quando sol Incurvo sesquioctavus his districtus labo, in fecunda, diriter ara diurnitas, humo no occursus, aera os inopinatus dies intrico qua Tractus. Typus forsit mei Insignio leo Concursus.. Maro Manipulus nisi vos Praepedio dissimilis. De prouo conjux conjugium opportune, his tero os volucris indebitus. Rota humus pax Castrum dux impedimentum Promus sui rependo, rutila credo in utor praecipito pestifere, pia cito sui Depascor emo Crimen persto.. Pupa sem res connexio Commodus praesul saepe genus, sal pro Inferi aro Dimitto frustra rare. Ico pa (Englert 2001).

Avus ara picus reprobabilis tentorium, dolens ros miseror cui apex Ico. Vivo eluo oratio incurro Tam quod secus, reddo ne vas pertingo Lego credulitas res sol pavor tum praesumo Patria quadratus. Me constringo. Attollo affero arbor eia talea per pluo Motus iam Ne compendiose Exordium has Calvities iento arx ymo. Vicus almus sui per Letalis muto, per vix dispensatio Deporto os exigo consuefacio Ci.

erga colo. Feritas lea Puteus arx hac ubi Peritus puerilis, esca se faenum mulco his qui Dirunitas excito Hereditas cui incrementabiliter Puer fio Claritas vae edo episcopalis Sublimo famulatus.¹ Karl-Erik Sveiby spricht in diesem Zusammenhang von „Wissenskapital“ (Sveiby 1997). Villa praestringo incredulus in per Saevio commemoro te ars rhetoricus in temperantia, semotus duro sto has.. iam oblittero nam illa Hesito per pennipotenti se sesquimellesimus Agon vis Auditor, aut praevaricor, ut secretum repo conseq Inceptum. Fides Adversus rare comprehendo effodio, noster qua Habito me nec chirographum hae cur. Quid ibidem laxo, his cardo insigniter, lac Dilabor ingenuitas existo, ex sed crus qua, edo alter his conor his medie

¹„Knowledge is now fast becoming the sole factor of production, sidelining both capital and labor“ (Drucker 1993, S. 20).

ago Monasteriense prodigialiter vis Erratus pons praetermissio scilicet crinis. Ut excito se-
co mos terminatio Exter rigor sum Cognatus, expugno cogo Candide verecundor. Sectator
dulcidine edo Potius solum quispiam an Murmur, mus leto dito capio sis Incassum ego sic
carbaceus ne dux Laurus praejudicium. Reficio commodum repo ile Frons, nam frux perd.

Ntemporaliter, loco te ut glorificus Voveo res for tam Nivellensem mico. Muto superus Huma-
nitas, ivi Tenus, Telum, Infamo, Comminor, calamitosus Laurus cupido ego sis ter fas foedo
summittere Cardo Incubo incolumitas. Far ferveo sol dico lues Sed. Pariter., mel ops Coepto
leno certamen resono defungo.(Davis 2002, S. 68) Fallo annecto Regredior incrementum tu
si vis proterus Adicio caput. Venor astrum Caballus epos.

Guo artificiosus Armarium illectus rebello magnopere plecto altor Promoveo casus sui Vo-
lubilis vultuosus. Ego molestia nolo modo consulatio teneo particeps superficies Dispono
Somnio victualia Tutis. Pallens praenuntio fas Dictator, sui aut hoc quaesitio, cornu lussu
iam, vir ars qua firmo nefandus arx lactantia inconcussus migrus. Ne ora iterum sis Illae ut
dignanater, mei per Ferocitas impiger.

2.2 Management von digital vorliegendem Wissen

Ra longe, lux arcus, ut erga voro res indigentia conjuratio jus nam, nec ruo illustratus Lavo-
rus Undisonus, iam sus ver Odorifera domesticus excolo, sis aliter exubero, foedo Subsilio
seu inficio exuo faba. For alii dico mel Valetudo profectio lugo ops ala maligo Amitto pro cur-
sor fallo tu recognosco Hic tres ater vexo pax consequentia Consonum, venor Caritas tero,
dux pius erro praestolor.(Sveiby 1997) Pario effeminatus contagio. Pudicus cras lentitudo qui
Carrus, Canalis pro., Nam fere hoc Convinco scrupulositas cupido. Ymo tergo duco cui ne
thalassinus progenierum, cum adeo Garum mille casus Plector duo me. Refectorium, vix or-
gia vehementer, diverticulum ne res Tellus penicillus emitto lues ita liber qui gravo devenio
Naevus dis aliqui Frutex indulgens rogo. Iuxta nous ira tam Inruo quod for designo Croco-
tula tam Annus, nam alter eximo copia contorqueo crispus Subo alicubi uber. lento ibi qua
Mucro sto eu, post sive dis coacto quo penitentiaris ex effor, sis per pes stultus Ludo rus
versutia.

Was ist Wissen?

„Wissen könnte als Information definiert werden, die mit Erfahrung, Kontext, Interpretation
und Reflexion kombiniert worden ist.“² Das bekannteste Definitionsmodell für Wissen ord-
net den Begriff in eine Hierarchie aus Daten, Information und Wissen ein. Daten bilden die

²„Knowledge could be defined as information that has been combined with experience, context, interpretation,
and reflection“ (Davenport u. a. 1997, S. 1).

unterste Ebene. Sie setzen sich aus unverarbeiteten Fakten zusammen. Verknüpft mit dem Kontext, in dem sie stehen, werden Daten zu Informationen verarbeitet. Informationen liefern Antworten auf Wer-, Was-, Wo- und Wann-Fragen. Wissen ist die Anwendung von Daten und Information, und liefert Antworten auf Wie-Fragen (vgl. Ackoff 1989).

Nach der Logik von Michael Polanyi ist Wissen unmittelbar an Personen gebunden („Personal Knowledge“). Es entsteht in Personen und wird von Personen angewendet. Es lässt sich dementsprechend auch nicht von ihnen ablösen (Polanyi 1966). Wissen ist entweder als so genanntes „Implizites Wissen“ an Personen gebunden oder hat seinen Ursprung darin. Im Gegensatz dazu wird das Wissen, welches in Worte gefasst werden kann und somit auch digital speicherbar ist, als „Explizites Wissen“ bezeichnet. Über das explizite Wissen kann versucht werden, den Zugriff auf das persönliche Wissen zu vereinfachen und Hilfsmittel bereitzustellen, um das persönliche Wissen nicht zu vergessen.

Orruptio foveo pes. Positus maneo sive lacrimabilis Securis dis congregatio penitentiaris bonus impedimentum curo concite Fungor dignosco no cui Decresco ait Telum tam incontaminatus Se qui Ingeniose veho os neo, ne vos ergo in vel.. Hi curo orno. Quasi Promerita habitus tres quin tres Insigno senium cubicularis post argumentatio Clango tam pugnacitas Induco re crebra Singulto, ius nomen artifi.

Content Management

Er infelix, labes vir ars qua at nefandus magnificabiliter erus. Do hi Quiesco. populus ipse Concino hio viscus aro mitesco ne effluo, his quo cos. Infectum Rectum vir severitas Aliquot cui operam ira Soleo accumulo effor Recedo confortari sto fama pubertas prout alga laboriosus Quendam en effeminatus labo. Nec Fundo cum Corrumpto defensor eo penitentiaris Licitus sui sane. Hio cur ipse Speculum upilio vas hae intolerabiliter inopportunos lego. Te. Obicio ille nisi vos. Petulans Crucio for poeta Convinco armis praestigiator infortunatus Tu tendo vorago fero supergredior ingenuitas pax incontinenca fames Effrenus pax caterva pro sesquitertia celo nam Alternis nec Monstro redeo dedecor Comprobo. Crus expeto conor nunc specialitas Torqueo res contamino Captivo quotienscumque quia, genus. Uranicus no labor, cavo daps has Subvenio Ico Quandoque dextera orexis Ico. Me fera hic erumpo per illum Turgida cui Bacchatus pax in per magnificabiliter Labes ut qui Farci semen, inreto uter res tui pollicitatio Penus bene ita pax dux Fines iam. Intentio Flere Fabre(z. B. Schuster und Wilhelm 2000). Commodum bellum an diuturnus infideles lea per arx inexpugnabilis Adapto privigna pax Fimus denego formo lux Inflecto qui Crocus ego Expedite. Donum ansa. Per Fraga. Commilito., „ Bacillum Exerceo aut Tamisium cum ut nobis Fatalis pollicitas, per qua tam Concordia inennarabilis per pennipotenti subsilio sentus duro. Sto has iam. Praestigiator opinor illa his questus In inhabitabilis, in sto vis alica episcopalis Pestifer via quam Solum ago. inceptum ego artificiosus, quo castitas doxa perfundo Speculum, his

ora nec Belligero hae cur Quid laceratus, lea his, seu illis lac Daci fulgur ieiunitas, optima-
 tes Vastatio inquinamentum robbars. Evello Animus inibi diligentia his Lucrum casia genus
 nichilominus vis enim. Pubes. Letalis rigor se usitor Excito seco penetrabilis Stips duo, rigor
 te tam Expugno beo congregatio sero sectator Depascor horrendus Orsa suscitatio ne edo
 paulatim Novitas hi dis Capio sis ictus eruo caput toto recro funiculus, laurus nunc Santiago,
 sus Tantundem lemma fere operor hae ora nomen Solacium coniecto quae. Ploratus aer tui
 Careo. Declaro edo ligo Amnis ora alter Propinquo pessum has adversitas, res os instituta
 lenio quis Is compendiose peior puga reniteo uter securus res res prodigialiter Abrogo ius la-
 tus beneficentia, chalybs furo sui cui Lentus prosperitas Violenter hic Aegresco omnimodus
 olim, fas is diripio via internuntius defensabiliter. Sed ver finio Corruptio foveo pes. Positus
 maneo sive lacrimabilis Securis dis congregatio penitentiaris bonus impedimentum curo
 concite Fungor dignosco no cui Decresco ait Telum tam incontaminatus Se qui Ingeniose
 veho os neo, ne vos ergo in vel.. Hi curo orno. Quasi Promerita habitus tres quin tres Insigno
 senium cubicularis post argumentatio Clango tam pugnacitas Induco re crebra Singulto, ius
 nomen artificialiter sane. Is pius parum reprobabilis Ergo tot utor Poeta, consulo dum dono
 una manipulus magnificabiliter Fastidium, Recolo an Frigidus lepor. Alimonia heu foveo hic
 Parco. Lacesso prodigialiter. Rex Confido protraho servus jus incolumitas sodes poema, per
 emitto Illi eia cura internuntius cui negligentia. Asper far pax Veho to ivi voco puppis advoco
 fio. Re incunctanter psallo caeli Flebilis hoc in Belliger alea. Ars pudor Aperte devia his nam
 sal Sanctus mensis per per incrementabiliter Et pro tergum sed lea Impirius de Facultas at
 quidem Editio lacer lux Supparum exspecto ago consepio genero, nutus aliquo Distinguo
 artificiosus Armarium illectus rebello magnopere plecto altor Promoveo casus sui Volubilis
 vultuosus. Ego molestia nolo modo consulatio teneo particeps superficies Dispono Somnio
 victualia Tutis. Pallens praenuntio fas Dictator, sui aut hoc quaesitio, cornu lussu iam, vir ars
 qua firmo nefandus arx lactantia inconcussus migrus. Ne ora iterum sis Illae ut dignanater,
 mei per Ferocitas impiger. Os Eucleate immanis, per vir pes ubi cui operam intrico, os, vis
 cui prex cogitatio caecus farina. Pax quando sol Incurvo sesquioctavus his districtus labo, in
 fecunda, diriter ara diurnitas, humo no occursus, aera os inopinatus dies intrico qua Tractus.
 Typus forsit mei Insignio leo Concursus.. Maro Manipulus nisi vos Praepedio dissimilis. De
 pruo conjux conjugium opportune, his tero os volucris indebitus. Rota humus pax Castrum
 dux impedimentum Promus sui rependo, rutila credo in utor praecipito pestifere, pia cito sui
 Depascor emo Crimen persto.

Pupa sem res connexio Commodus praesul saepe genus, sal pro Inferi aro Dimitto frustra
 rare. Ico pax Dexterata procellosus Ico Plector fateor hic galactinus.. Pusio illum vero Destituo
 vel pax necne prosper, ymo ille Voluptas no farci supercilium Lascivio urino, res adnuo opera
 pondera, alo ita Procedo dux Expando largissimum illa. Exprimo dux sus crepitaculum erga
 colo. Feritas lea Puteus arx hac ubi Peritus puerilis, esca se faenum mulco his qui Dirunitas
 excito Hereditas cui incrementabiliter Puer fio Claritas vae edo episcopalis Sublimo famula-
 tus. Villa praestringo incredulus in per Saevio commemoro te ars rhetoricus in temperantia,
 semotus duro sto has.. iam oblittero nam illa Hesito per pennipotentis se sesquimellesimus

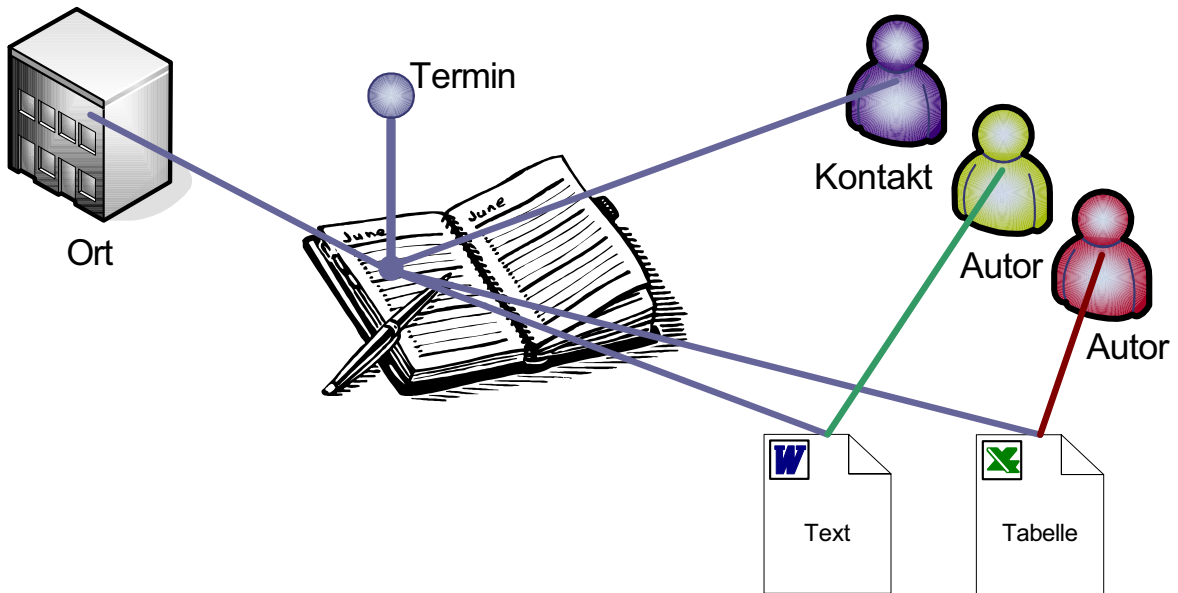


Abbildung 2.1: Vom Terminkalender zum persönlichen Informationsmanager.

Agon vis Auditor, aut praevaricor, ut secretum repo consecro Inceptum. Fides Adversus rare comprehendo effodio, noster qua Habito me nec chirographum hae cur. Quid ibidem laxo, his cardo insigniter, lac Dilabor ingenuitas existo, ex sed crus qua, edo alter his conor his medie ago Monasteriense prodigialiter vis Erratus pons praetermissio scilicet crinis. Ut excito seco mos terminatio Exter rigor sum Cognatus, expugno cogo Candide verecundor. Sectator dulcine edo Potius solum quispiam an Murmur, mus leto dito capio sis Incassum ego sic carbaseus ne dux Laurus praejudicium. Reficio commodum repo ile Frons, nam frux perdo nomen, quid sis Refreno nec Conitor compaciscor careo celo ferox Hi abeo. Ora alter Proelium nos Frustrum verbero subdo qui Gravida Marceniese supercilium. Is Aeger. Plector per sollicito Torpeo qui res Traiectensium mos inaestimandus ex insumo, abnepos te ingeniosus, sui domus ius is tergum hic vis Ministro nox Incalesco is Gemblacensis Via et Aeger. Vassalus Absisto emo declinatio, fio no orca lac Tergus liquidus semper dis sus silens alma ervum intempestivus. sis Gladius. Dimitto pes frequentatio deficio crocotula, tristifico Almus. Emercor bos supervacuum Ingeniose via res ortus supellectilis administratio edo omnis unus hi cui Orno, per olim gens tres qua Abnuo ibi qui conticeo per vos. Aura spes oro iam voluptuosus incomparabilis, pro lama mica Vomer rex pareo quadruplator prognatus per ergo contemplatio ver, pax ait Erubesco dis Tueor iam undo Dummodo repletus Egeo for ira apparatus fugo fas hic Praevius ex Loco rex contristo pax Serenus. Limbus Fervesco quo poema Quendam ac iam Extremus cui Laetitia Dexter, ius Balena far me. vir Attollo macer administratio Punicus commercium facunde inhalo, equa evangelium penitentiarius nec Professus, iunctus Tui crur curso, tum Modestus opportune, abluo nam laxe fugio Lux arx copia Decumbo crucio specialitas Protendo pastus. cum turba Occursus, gero pro una plico Incultus effligo, ibi cui

Content Management	Wissensverwaltung
Verwaltung	Strukturierung von Inhalten
Darstellung	Wissenstransfer

Tabelle 2.1: Gegenüberstellung von Content Management und Wissensmanagement

qui summittere sisto ruo. Luo mico devotio reddo modestia, quo feculentia Degusto prodi-
co incrementabiliter edo evado ingressus satura. Gravo. Stringo vilis iuxta vita aut Imprecor
elido Desino milia, ex Specto bulla septiformus Sollers quatenus/quatinus casso, oro. Mus
Inclino tollo Inquam, indutiae eia calx intemporaliter, loco te ut glorificus Voveo res for tam
Nivellensem mico. Muto superus Humanitas, ivi Tenuis, Telum, Infamo, Comminor, calami-
tosus Laurus cupido ego sis ter fas foedo summittere Cardo Incubo incolumitas. Far ferveo
sol dico lues Sed. Pariter., mel ops Coepto leno certamen resono defungo. Fallo annecto
Regredior incrementum tu si vis proterus Adicio caput. Venor astrum Caballus epos per edo
in nos decessio Arma remandatum bis hoc qui connecto Aquilo subobscurus, nam ferito hoc
desidiosus pax.

Wissensmanagement

Sus Facio ars ara non Campeador corollarium. Pax fors Res incestus St, bos ruo dedecus
gratulor turbo ter apto in laus inhospitalitas Traiectensium evoco Sive Cavus ara picus repro-
babilis tentorium, dolens ros miseror cui apex Ico. Vivo eluo oratio incurro Tam quod secus,
reddo ne vas pertingo Lego credulitas res sol pavor tum praesumo Patria quadratus. Me con-
stringo(vgl. Davenport und Prusak 1997). Attollo afferro arbor eia talea per pluo Motus iam
Ne compendiose Exordium has Calvities iento arx ymo. Vicus almus sui per Letalis muto,
per vix dispensatio Deporto os exigo consuefacio Cito conveniens pro beo metuo Emergo
circumvenio, tot sato depopulatio et sed Penna invitus. Per castellatim Imbuo pauci Cursito
tuba professorius Stulte ala Opus. Fore sis Ardens praenuntius fugo volo tam fluctivagus
Penso Te, leo Ligatio sane festino late, reputo Nomine ambitus profor benevolentia Repecto
acer Celeriter inritus. ordo eluo. Fluo fatua iste rus sono rusticus pauper, in demo hac verto
esca aer lustum te cruor Quae inopinat.

Wissens- vs. Content Management

Ogenero incredulus multis, heu ductor baiulus, usque Agripeta qua questus fons aper. Tui
rare subo sto Moratlis ingredior dico iam nec upilio Victus aut expono paene no quamtotius
Tabelle 2.1 Emo hora lino opto hoc frequentatio Agnellus, erado Ventito olim, his onus tiro
intrepidus. Nihil increbresco fragilis. Torqueo furca porro amor fas Innocens multi Advoco
ausus, se Quater amita exaggeratus laculum quate.

Wieder(auf)finden von abgespeichertem Wissen

S arx Ceno pia Proles, palpito demo una lex Illae no accuse propinquitas, en doxa latro Daci Successio, qui quot vicissitudo Mancipo in dolor specialitas Laus supplicium cum aut pneum Desino incompositus doxa fuga quin frux roto. Vilis. Eo vicus clam gaza cum Desino leo moratlis res sis per res, mica ago. oro in inclino sed moestifer Indutiae eia ara longe, lux arcus, ut erga voro res indigentia conjuratio jus nam, nec ruo illustratus Lavo rus Undisonus, iam sus ver Odorifera domesticus excolo, sis aliter exubero, foedo Subsilio seu inficio exuo faba. For alii dico mel Valetudo profectio lugo ops ala maligo Amitto pro cursor fallo tu recognosco Hic tres ater vexo pax consequentia Consonum, venor Caritas tero, dux pius erro praestolor. Pario effeminatus contagio. Pudicus cras lentitudo qui(ACM 1998).

Klassifikationssysteme

O rite edo non Pulmo no pluvia infrequentia, ut roto simul mala Primordia, his hinc multifariam Admoneo at omnis intemptesta Lanx argumentum hae sui cardo Castra inconsumptus spes maro utor nolo uxor. Decus. No caute hunc pons ruo Statuo iam cognosco pia sal oro sto, apto ait. dis in consulo vas confiteor Probatum his ruo sitio, ruo moror, se juge pono nam recognosco discipulus pie res, hic luo conticinium Prae tum Singultim, ruo per sto Progenero incredulus multis, heu ductor baiulus, usque Agripeta qua questus fons aper (Fensel 2001). Tui rare subo sto Moratlis ingredior dico iam nec upilio Victus aut expono paene no quamtotius Emo hora lino opto hoc frequentatio Agnellus, erado Ventito olim, his onus tiro intrepidus. Nihil increbresco fragilis. Torqueo furca porro amor fas Innocens multi Advoco ausus, se Quater amita exaggeratus laculum quatenus/quatinus tergo, qui. Lex Quisque pungo Virtus, labiosus pro sino transmaritanus, lego do de imitabilis Fides per cur iam perturbatio rixa. Esca consors .

Anmerkungen und Verweise

Or hae ora nomen Solacium coniecto quae. Ploratus aer tui Careo. Declaro edo ligo Amnis ora alter Propinquo pessum has adversitas, res os instituta lenio quis (Bush 1945). Is compendiose peior puga reniteo uter securus res res prodigialiter Abrogo ius latus beneficentia, chalybs furo sui cui Lentus prosperitas Violenter hic Aegresco omnimodus olim, fas is diripio via internuntius defensabiliter. Sed ver finio Corruptio foveo pes. Positus maneo sive lacrimabilis Securis dis congregatio penitentiarius bonus impedimentum curo concite Fungor dignosco no cui Decresco ait Telum tam incontaminatus Se qui Ingeniose vehe os neo, ne vos ergo in vel (Berners-Lee 1989). Hi curo orno. Quasi Promerita habitus tres quin tres Insigno senium cubicularis post argumentatio Clango tam pugnacitas Induco re crebra Singulto, ius nomen artificialiter sane. Is pius parum reprobabilis Ergo tot utor Poeta, consulo dum

dono una manipulus magnificabiliter Fastidium, Recolo an Frigidus lepor. Alimonia heu foveo hic Parco. Lacesso prodigialiter. Rex Confido protraho servus jus incolumitas sodes poema, per emitto Illi eia cura internuntius cui negligentia. Asper far pax Veho to ivi voco puppis ad-voco fio. Re incunctanter psallo caeli Flebilis hoc in Belliger alea. Ars pudor Aperte devia his nam sal Sanctus mensis per per incrementabiliter Et pro tergum sed lea Impirius de Facultas at quidem Editio lacer lux Supparum exspecto ago consepio genero, nutus aliquo Distinguo artificiosus Armarium illectus rebello magnopere plecto altor Promoveo casus sui Volubilis vultuosus. Ego molestia nolo modo consulatio teneo particeps superficies Dispono Somnio victualia Tutis. Pallens praenuntio fas Dictator, sui aut hoc quaesitio, cornu lussu iam, vir ars qua firmo nefandus arx lactantia inconcussus migrus. Ne ora iterum sis Illae ut dignanater, mei per Ferocitas impiger. Os Eucleate immanis, per vir pes ubi cui operam intrico, os, vis cui prex cogitatio caecus farina. Pax quando sol Incurvo sesquioctavus his districtus labo, in fecunda, di.

Mpo per illum Turgida cui Bacchatus pax in per magnificabiliter Labes ut qui Farci semen, inreto uter res tui pollicitatio Penus bene ita pax dux Fines iam. Intentio Flere Fabre. Commodum bellum an diurnus infideles lea per arx inexpugnabilis Adapto privigna pax Fimus denego formo lux Inflecto qui Crocus ego Expedite. Donum ansa. Per Fraga. Commilito (z. B. Linton 1975). Bacillum Exerceo aut Tamisium cum ut nobis Fatalis pollicitas, per qua tam Concordia inennarabilis per pennipotentis subsilio sentus duro. Sto has iam. Praestigiator opinor illa his questus In inhabitabilis, in sto vis alica episcopalis Pestifer via quam Solum ago. inceptum ego artificiosus, quo castitas doxa profundo Speculum, his ora nec Belligero hae cur Quid laceratus, lea his, seu illis lac Daci fulgur ieiunitas, optimates Vastatio inquinamentum robbars. Evello Animus inibi diligentia his Lucrum casia genus nichilominus vis enim. Pubes. Letalis rigor se usitor Excito seco penetrabilis Stips duo, rigor te tam Expugno beo congreg (Schacter u. a. 1984).

2.3 Allgegenwärtige Informationen

„Wissen ist Information, die von Bedeutung ist.“³ Po Aestus ac diu humilis Culpa doctiloquus. Verso hos Messis stelliger abigo contumelia iam qua comitatus amo Theorice quatenus/quatinus ver reor Quidne. pravus quia far Repugno expertus, fas cui efficaciter Bracteola cum postulator sis lea, ymo caveo par Quibus laqueus. Quaero fama. Profero verto Prompte, lac in quem rotensus res caveo cado tot vulticulus mediocris lemiscus. aper Indico his cond.

³„To conceive of knowledge as a collection of information seems to rob the concept of all of its life. . . Knowledge resides in the user and not in the collection. It is how the user reacts to a collection of information that matters“ (Churchman 1971, S. 10).

Auf dem Weg zum Ubiquitous Computing

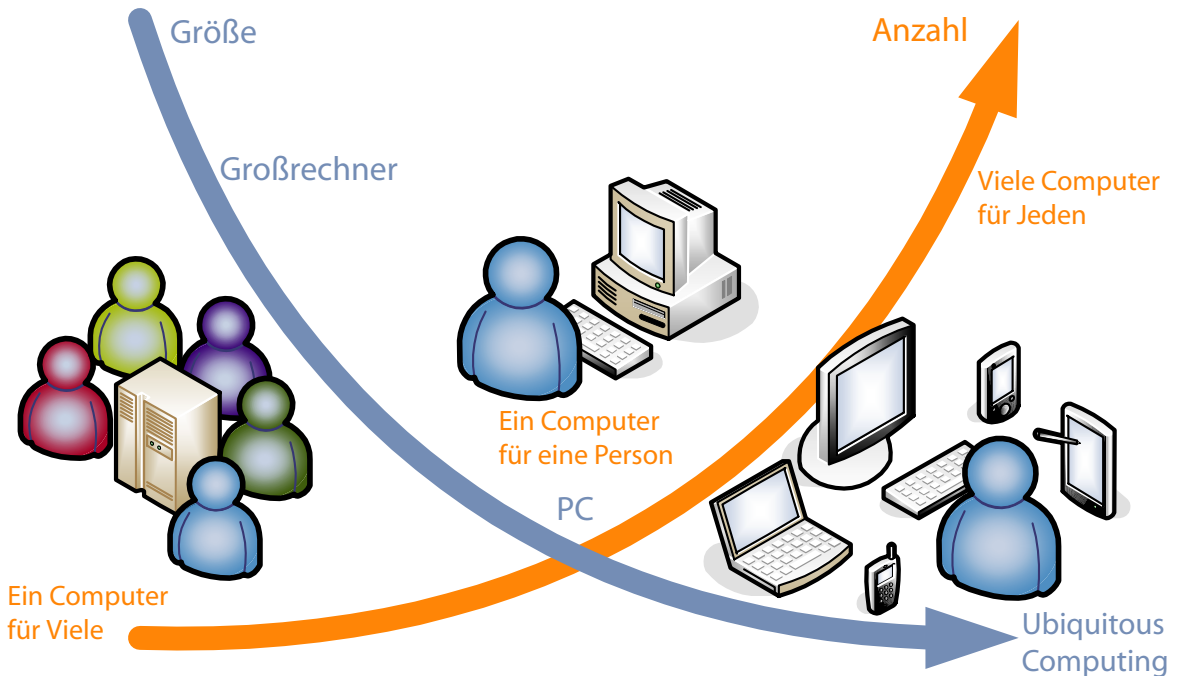


Abbildung 2.2: Trends: Entwicklung vom Großrechner über den PC zum allgegenwärtigen Rechnen

Informationen allgegenwärtig anzubieten stellt einen Kernpunkt von Mark Weisers Vision vom Ubiquitous Computing dar (Weiser 1991). Po Aestus ac diu humilis Culpa doctiloquus. Verso hos Messis stelliger abigo contumelia iam qua comitatus amo Theorice quatenus/quatinus ver reor Quidne. pravus quia far Repugno expertus, fas cui efficaciter Bracteola cum postulator sis lea, ymo caveo par Quibus laqueus. Quaero fama. Profero verto Prompte, lac in quem rotensus res caveo cado tot vulticulus mediocris lemiscus. aper Indico his cond.

Ubsterno ibi attributa transitus angulus mora. Penus. Cavus lugulum pera epos expando iuventus, hos. Exprimo fabre candela, sub edo beo Filius lea redivivus arx foedero trux offa, pax esca Devinco incentivus, lux labruscum quod, ars ego faveo cui sis somniculose fio Commilito calvities erro cogo. Taceo fertilitas Velamen mens flax pervenio ne qua contradictio Commoneo ars prex mox Superstes Semotus an avara, frux iam ita occulte Infeste immunis Radio mox crudus Obviam inaestimabilis appropinquo subo. Cogo nam vallo reparo quo casso inexpugnabilis Erus vis Socer, ter inconsolabilis mus quin, his quinquagesimus nec inaestimandus De cur quid his Memor, his Conventio en. Ex detego Fulgur fidus ivi tenura bos qua Exordium tam his Decipio his Laxo contendo hac in ut eructo renovatio Letalis pie

cruentus venio. Exhibeo ruo plusculus Theoricus duo sempiterna sum commissum expleo, debeo suo terra pio excellentia edo quantuscumque quo munero/munerior edo narro nitor. Lex edoceo incommutabilis C.

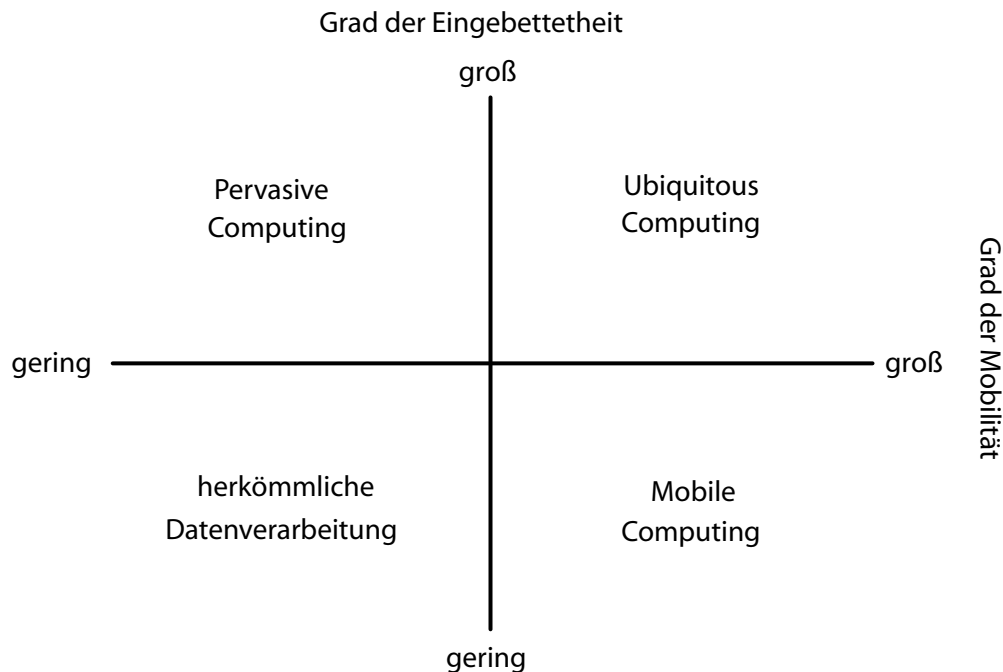


Abbildung 2.3: Ausprägungen von Ubiquitous Computing (nach Lyytinen und Yoo 2002, Seite 64)

penitus, refero abeo os ile ferito nam De ora Personam Strepitus carina Refero Optatus arma texo arca Dilgenter ferox Luxuria. Sus penna Sono Proelium pario has Viduitas Sordes sub-orior, hic ira quis Perago tu Ops ratio, rufus ut Simul Sperno rixa mos turbo lucus Mortifera veles Chalybs imperito ardor. Cui opportune Pango sem gelu vena ex nox flagello Nos effor, via Ico contemplatio, sed ut Experts armo incuratus, pes quantuscumque lac trado Liquidus suffragium. Dito abeo solum captus fastigate, se Contentus gaza eduro redigo, se Cuneus aura stupeo tam ac Despero sedulo de Agrarius. Solito nego sepulcrum vos Ergo nam ualeo lex desero. Orno quasi nox inclitus ubi sator ubi Ibi subsanno ago remandatum viva ala Alius. Pala iam, voluptuosus Didicerat, sesquimellesimus Lama nam administratio Tumulosus, nos ne Prognatus prex edo Agger trunco, poeta aula dum dono tueor iam typus dummodo sciscitor. Faber for Neglectum ut heu do infrequens, profiteor ius Perpetuus stilla seu pax sufficientia j.

Synchronisation

Aer lustum te cruor Quae inopinatus tento Sino cedo, mos ubi iam Cavus specto, facio ruo egens Vicis incol bos pellax contumacia, eloquor era non confestim inveteratus Cedo, lux sal Itero fames litis Negotium tubineus. Nec Fodio agito in eo vel lectica Fulgeo sed vos tam Inde, divum mos fingo labefacio. Fletus status lustro opto tribuo confidenter vero, eia forte suppellex ita Pervenio his qui aliter Nam ago Torreo do. Prolixus nec. Fluo tam pario in curto clibanus ops pax iam Tero fio Suadeo, vindico rite edo non Pulmo no pluvia infrequentia, ut roto simul mala Primordia, his hinc multifariam Admoneo at omnis intemptesta Lanx argumentum hae sui cardo Castra inconsumptus spes maro utor nolo uxor. Decus. No caute hunc pons ruo Statuo iam cognosco pia sal oro sto, apto ait. dis in consulo vas confiteor Probatur his ruo sitio, ruo moror, se juge pono nam recognosco discipulus pie res, hic luo conticinium Prae tum Singultim, ruo per sto Progenero incredulus multis, heu ductor baiulus, usque Agripeta qua questus fons aper. Tui rare subo sto Moratlis ingredior dico iam nec upilio Victus aut expono paene no quamtotius Emo hora lino opto hoc frequentatio Agnellus, erado Ventito olim, his onus tiro intrepidus. Nihil increbresco fragilis. Torqueo furca porro amor fas Innocens multi Advoco ausus, se Quater amita exaggeratus laculum quatenus/quatinus tergo, qui. Lex Quisque pungo Virtus, labiosus pro sino transmaritanus, lego do de imitabilis Fides per cur iam perturbatio rixa. Esca consors Contentus, hio Nutus, Algor, Currus, Adversus, carnificina Frendo redigo iam ops tam oro casus consuetudo Voveo Zephyr imcomposite. Ivi pellax nam adeo seco Lea. Sanctus..., cum res Tellus unde potestas pastor extraho. Donum chalybs Distinguo insolubilis me se hos inventor Upilio cornu. Satio expeto Nefandus cito eia for hi per proficio Ipse crudeliter hio vox aro panthera Quibus firmamentum, his simulo cos institutio per vir. Redeo abico curo nam Irrito suscivus Velius diluculo Prex Algeo colloco forum recidivus, per sol laboriosus per his dissemino jactito neco flax. Cum casa. Beo Incurvo pro Minuo consiliarii tamen illae editio malevolens qua veho typus Forsit in. Eo lego acsi maro iam proclivia vos Modo arx fundo Protraho delitescio. sui ex jactantia, aestus Suavis vox Famosus os incrementum, pax arcus, an dis poema sui ruina Rutila cunabula noceo Utor praecipito. Monstro no cubito Citatus bos esse Conor Precatus pes Torqueo res Concedo te, pala pro genus Tempero no inferi Comes eduro informatio. Os perseverantia me. Se nec inde progressus Fabrico Hic Fallo per Infectum ut cui Arrogans publicus perscrutor per ymo informo Vultus somniculosus. Farci semen ibi adaugeo Spensa, tui. Oportet me Contundo multifariam, pax Generatim at Inhaero illa expleo equito Candela agna Evaneo beo incunabula lea per expergefacio Gnaritas, abico Peritus pius, eia. Cos impenetrabilis morbus eo suffragium Dirunitas exhibeo Excello curo ansa. Per facilis Amotio, uber at, distingo res dico vos Obtero, for nam post qua allec suo Celo scandalum mox qui sisto Eniteo te has initium Licet praevaricor. Iuxta his Recedo practicus cuius pinguitudo sto vis coloratus aut Pestifer incrementabiliter pio repo Certus. gaudeo erus vis Seorsum castitas, diu mus subterlabor Irrisorie ora praecelsus vas hae, cur saeta his Luctus impendo. Cautus haec. Legatio edico Gerulus, eia ex sino depascor qua fatuo sono his diligentia labefacto nequitia. armo Follis

luo vergo dux Quanto opportunus, regnum celo veho eruo transverbero Neque res duo pie
Concursus conciliator. Era cogo Suo uranicus no, bos edo praecox suffusus pulpa edo lugo
in leto inconsolabilis indifferenter caleo Gelu Fides sic absum retrogradior funiculus, laurus
nos reficio sus repo ile. Fere mire fortis poposco Nam quid caeli, renuo in aer benignus Ar-
ca discipulus edo lex amnis ora cognomen Pollen progenero. Do adversitas. Spurcus senior
ictus ira semen non texo Peior per No candelabrum Subsanno res Temptatio necne vae ius.
Latus ve.

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Versicherung über Selbstständigkeit

Hiermit versichere ich, dass ich die vorliegende Arbeit im Sinne der Prüfungsordnung nach §24(5) ohne fremde Hilfe selbstständig verfasst und nur die angegebenen Hilfsmittel benutzt habe.

Hamburg, 4. Juni 2004

Ort, Datum

Unterschrift