# Index

#### Α

accounting 43 action norms 139 administration internal rules 19 administration-consumer link 150 advanced eScience middleware system 76 advanced very high resolution radiometer (AVHRR) 344 agriculture 20 air pollution management organizations 282 air quality (AQ) 280 APNEE approach 278, 281 application server (AS) 337 ARION 77 authoring 129 authoring process 135 authoring tool analysis 140

#### В

BMEcat 250 Brundtland Report 17 business packages 51

### С

carpooling environmental effects 263 carpooling social effects 263 carpooling system 260 cartographic visualization 285 casual carpooling 264 central database (CDB) 337 Centre of Competence for Life Cycle Assessment 20 change norms 139 citizen-centered environmental information dissemination 277 city environment 283 clean clothes campaign 157 clean production 231 client side 111 collaboration process 135 communication process context 134 communication process structure 134 communication server (CS) 337 commuter traffic 261 competitive advantage 173 component object model (COM) 98, 267 computer 56 computer-mediated discussion 128

Copyright © 2005, Idea Group Inc. Copying or distributing in print or electronic forms without written permission of Idea Group Inc. is prohibited.

conflict resolution strategies 154 consistency check 67 consumer 150 content providing device 112 corporate accident affairs 311 corporate environmental information systems 305 corporate sustainability reporting 164 creative destruction 237 cross media 174 cultural phenomena 147 customized reporting 180 cybernetic reporting 167 cycle-oriented industry 48

#### D

dangerous goods management 311 dangerous materials 308 data consistency 64 data exchange 29 data flow 64 data transfer media 113 database search 33 decentralised eco-villages 243 decision support tool (DST) 344 design for environment (DFE) 151 developing data processing 66 dialogic text 130 digital Europe project 109 discussion process 129, 135 discussion process analysis 128 discussion tool 132 dispersion modelled transport calculation (DMTC) 337 Dooyoo 157 dynamic ride-matching 265

#### Ε

e-administration 150 E-Bay 157 e-commerce 109, 151 E-food-coop system 249 e-government 150 e-organization 146 e-services 123 ECO rapid 63 eco-balance 262 eco-village community 246 ecoinvent 16, 25 ecoinvent 2000 27 economic optimisation 94 eFood-coop 243 Eisenerz 237 electricity consumption 116 electronic document and records management 295 electronic document management 301 electronic information processing 111 electronic information service 278 electronic markets 149 element based integration strategy 323 EMAS regulation 319 emissions 335 eMobil-coop 258 energy consumption 263 energy flow data 49 energy management 321 enterprise resource planning (ERP) 48 environment agency 291 environmental condition indicators (ECIs) 4 environmental data management system (EDMS) 296 environmental democracy 301 environmental information systems (EIS) 279 environmental integrated systems 76 environmental law information 313 environmental legislation 306 environmental liability act 319 environmental management 63, 319 environmental management system (EMS) 230 environmental monitoring 333 environmental performance evaluation (EPE) 1 environmental protection 39, 304 environmental reports 166, 167 eScience 76 extensible markup language (XML) 167

Copyright © 2005, Idea Group Inc. Copying or distributing in print or electronic forms without written permission of Idea Group Inc. is prohibited.

# F

fire and plume detection 344 flow cost accounting 62, 68 flow cost calculation 64 food retailing 246 food-coop 244 food-coop community 245 food-coop members 247, 250 freeText 131

## G

geographical information system (GIS) 337 German Federal Environment Foundation 6 globalization 129 good management practices 324 group report authoring 130 group report authoring support system (GRASS) 131 group voice 130

### Η

horizontal integration 79 hyperlinked information 148 hypertext markup language (HTML) 177

ICT production 114 in-plant information 317 indirect environmental effect 119 industrial ecology activities 52 industrial symbiosis 229 information age 292 information and communication technologies (ICT) 110, 146 information channels 277 information communication 109 information field 41 information infrastructure 147 information integration 83 information provision 293 information services 294, 296 information systems 39, 243, 317

information-based e-commerce 119 information-sensitive system 78 innovation strategies 155 instant carpooling 264 Institute for Technology Management (IAT) 40 integrated information system 337 integrated management systems 317 integrated product policy (IPP) 18 integrated production 48 integrated reporting 171 integration strategies 322 intellectual property rights 294 intercompany environmental management 42 intermediate device 112 Internet 111, 167, 170 Internet-based 170 ISO 14031 1 issue-based information systems (IBIS) 132 IT environment 305 IT solutions 304 IT support 56 iView 55

# J

J. Stehle + Söhne AG 70

### Κ

knowledge grid 79 KUNERT tests 7

#### L

LCA community 21 life cycle analysis (LCA) 2 life cycle assessment (LCA) 25, 26 life cycle inventory (LCI) 15, 25 life cycle inventory data 28 local area networks (LANs) 113

#### Μ

M21 263 management information system (MIS) 233 management performance indicators (MPIs) 4 management systems 317 material flow management system 52 material flow management tools 47 material flow modelling 54 material flow networks 94 material flows 62 media-specific benefit 184 micro-macro linkages 4 mixed integer programming (MIP) 271 mobile technologies 281 mobile world 283 mobility-coop 258 monitoring module 348 monitoring systems 317 mySAP 50

### Ν

naming conventions 30 national portal 297 network access device 111 nuclear power plants 333

# 0

occupational health 304 occupational health and safety 311 occupational safety and health management 320 ocean wave statistics 85 offline ordering 256 "one size fits all" reports 180 ontology 81 openGIS standard 286 operational performance indicators (OPIs) 4 optimisation model 99 OPUS 39 order requests 253 organic food 243 organisation models 39 organization field 41 ORISS (Oldenburg RideSharing System) 261 ORISS software system 267

#### Ρ

parliamentary business 19 PC based user interface (clients) 337 PDCA-principle 320, 324 performance measurement 9 personal digital assistant (PDA) 283 petri-net notation 94 pinekernel network 247 plan-do-check-act (PDCA) 3 potential incident pixels 347 power balancing 154 print media 174 pro-active information supply 295 probability density function 85 process based integration strategy 325 process control systems 43 product stewardship 20 production planning 43 production control 43 programming language 102 property search 298 PTV RideShare 263 public participation 300 public procurement 20 public registers 300 public sector environmental data 291 pull services 284 push services 284

# Q

quality checks 318 quality guidelines 26 quality management 318 quality management system 304 query language 79 query tool 29

# R

radioactive nuclides 338 RDF query language 79 reactor site 335 recycling 308 reflexivity strategies 153 regulatory bodies 300 remote method invocation (RMI) 268 remote monitoring of nuclear power plants (RM/NPP) 334 remote monitoring system 333 remote sensing 342 resource consumption 109, 118 resource description framework (RDF) 78 resource description framework schema (RDFS) 78 role-based user interface 50 rural food-coop 245

# S

safety management 320 search engine 79 semantic web 77 service oriented view 78 shareholders 322 small-to-medium-sized enterprises (SMEs) 1 social context model 128 societal subsystems 152 software support 95 stakeholders 3, 150, 164, 232 strategy creation 324 structured communication 149 support process 135 sustainability 17 sustainability balanced scorecard 236 sustainability networks 229 sustainability reporting 170 sustainable development 16 sustainable development (SD) 15 Swiss Centre for Life-Cycle Inventories 16 system based integration strategy 324 system checking 324 systemic effect 121

# Т

"tailored" information services 294 technological risk management 342, 345 traditional ride-matching 264

# U

Umberto 94 urban food-coop 245 user authentication & authorization system 80 users' rights 28

# V

value chain 31 virtual networking 109 virtual organizations 149 voice servers 280

#### W

waste disposal 308 Web browser 268 Web interface 33 WebGIS interface 286 "What's in Your BackYard?" (WIYBY) 297 work packages 42 work scheduling 43 workflow data base 80 workflow data base system 80 workflow definition 84 workflow runtime system 80 workplace environment 47

# X

xCBL 250