

Key words

%built ground	491	aeroplanes(air(density))	92	Amstelveen	477
%floor surface	492	aerosols	506; 507; 511	Amsterdam	391; 405; 422; 458;
%paved area	490	Afsluitdijk	167	536; 599	
%private surface	488; 491	after-school care centres	465	Amsterdam(West(site preparation))	276
%unbuilt surface	491	afvoer-verlooplijn	162	Amsterdam-West	488
1 st National Environmental Policy		age range per continent	452	amusement hall	467
Plan	521; 533	ageing	453	anaerobic decomposition	512
4th National Plan of Environmental		Agenda 21	536	anchorage block	195
Policy	526; 531	agenda(changed(design))	390	Andrewartha (1961)	322
4th National Plan of		agenda(legend transition)	566	angiosperms	372; 380
Watermanagement Policy	531	agglomeration	457	Angremond(1998)	424
5th government amendment on		agglomerations	456; 458	animal husbandry	438
Environmental Planning	422	aggradation	203; 222	animal kingdom	365
5th National Plan of Spatial Policy		agrarian firms	469	animals(night)	365
526; 527		agricultural production(greenhouse-effect)	370	animals(size(habitat))	333
5th Policy Document of Spatial		agricultural systems	438	ankerblok	195
Planning	477	agriculture	411; 499	Ankum(2003)	165; 166; 182
A value(soil pollution)	257	aim(scale)	320	annual maximum series	163
A1 horizon(dark)	231	aim-directed	596; 598	annual meadow-grass	360
A1-horizon	230	air bubble	92	anonymity	417
A2-horizon	229	air density	140	Antarctica	210
Aalsmeer	492	air dispersion(wind velocity)	94	anthropocentric	500
aanbrug	195	air pollution	509; 524	anthropocentrism	594
Aanen(1990)	385	Air Pollution Act	260	anthropogenesis	409
aarveen soil	236	air pollution(dispersion)	93	anthropogenically added dynamic	438
ABC model	594	air pollution(models)	510	antinode(sound)	139
abiotic	593	air pressure	91	antipodal	562
abiotic component(size)	200	air transport companies	473	ants	33
abiotic variation	325	air(density)	91; 92	Antwerp	288; 298; 444
Abken BV	585	Akker(2001)	158; 160; 162; 163; 165; 168; 169; 170	ANWB	394
aboreal pre-adaptations	409	Al ₂ O ₃	243	apartments	560
abrasion	217	alder	35; 70; 273; 349	apartments(variation)	541
abundance	361; 369	alder and ash forests	352	apple	70; 74
abundance of organisms	322	alder(clay/loam)	71	approach ramp	195
abutment	195	alder(coastal)	71	april	47
abyssal zone	204	alder(els)	83	aquatic life	380
acacia (acacia	83	alder(nutriëtisch peat)	71	aquifers	150
acceleration	9	Alexander(1966)	153	arable land	438
accentuation/design tools(planting))		algae	370; 385; 406; 511	ARBO	523
accessibility	561	algae(blue)	380	arboretums	467
accommodation	410; 498	algae(yellow)	380	arcades	579
accord	558	algas	15	arch bridge	195
accords	322; 541; 558	alignment(electricity networks)	293	arch(fixed, two-hinged, three-hinged)	195
accretion	222	allotment directions(wind)	128	archaeological artefacts	288
accumulation(urban)	321	allotment(courtyard)	136	archaeological survey	288
Achilles and the turtle	319; 603	allotment(wind)	95	ArchitectenCie	577
achterdiep	449	allotments(point,line)	136	architectonic clarity	539; 541; 558
Achterhoek	226; 448	allotments(point,line,corner,courtyard)	133	architectural plan(space(inside, outside))	579
acid conditions	360	allotments(repeating)	134	arctic circle	24
acidic sand soil	231	allotments(wind)	133	arctic night	24
acidity	360; 512	Almere	381; 387; 457	area	485
acids	258	Almere Pampus	391	area capacity	565
active purification	286	Alnion incanae	352	area of subsidence	207
activities(interfunctional)	417	AlO ₄	243	area(total)	488
actors	422	AlO ₄ ⁻	243	areal position	369
adaptability(species)	362	AlO ₄ -tetrahedrons	243	areas of vegetation	331
adaptation	341; 409; 498	Alps	210	Arends(1994)	183
adhesion water	247	alternating current	14	argex pellets	74
adhesion(legend)	561	Alterra	220; 388	Argus	430
adhesive forces	239	altitude	265	Arnhem-Nijmegen	551; 589
ADI (acceptable daily intake)	246	altitude lines	531	aromatics	258
adiabatic	140	aluminium	229	arsenic	506
adsorption	258	amenity park	467	arsenic eaters	341
aeolian accumulation	215	ammonia	506	arsenicum	258
aeolian deposition	215	ammoniac	258	art595	
aeolian processes	214	amorphous humus	231	Art Nouveau	540
aeolian sand	215	amphibians(atlas)	381	art(emotions(diverse))	564
aeolian transport	215	amphibole	243	Arthropoda	379
aeq	9; 10	amplitude	140		
aerial bombardments(WW2)	256				
aerial photographs	270				
aerodynamics	95				

articulation/design tools(planting))	Barton(2000)	342	biodiversity(urban age, seepage, drainage, water level, infrastructure(verges and slopes))	336
57	bascule bridge	195	biodiversity(urban, rural)	334
Artificial fertilisers	basculebrug	195	bio-industry	506
445	Batenbur(Eddes)	342	biological identity	529
artificial(planting)	bathyal zone	204	biological oxygen consumption	507
53	bats(atlas)	381	biomass	14; 15
artistic freedom	battery	22	biomass(energy contribution(national))	19
556	battery acid	258	biomen	331
ash	Bazel	581	bioreactor techniques	260
273; 349	Bbase	379	bioreactor techniques(dry, wet)	261
ash soils	Beach banks	449	bioscoop	330
231	beach drift	205	biosphere	325
ash(es)	beam bridge	195	biotic	593
83	beam transmitter networks	309	biotic variation	325
Ashby(1960)	beam transmitters	296	biotope	323; 325; 331; 356
600	bearing capacity	283; 284	biotope cities	332
ash-elm forest	bearing capacity(ground(buildings))	283	biotopes(boundaries)	327
437	bearing capacity(site preparation)	282	biotopes(equalisation)	543
Asklepios	Beatrix	444	biotopes(urban)	336
558	beech	34; 69; 350	birch	34; 70; 229; 349
aspen	beech (beuk)	83	birch forest	337
350	beech forest	437	birch forests(acid peat grounds)	352
asphalt surfaces	beech woods	384	birch forests(dehydrated peat grounds)	352
73	beech(pavement raising)	73	birch(berk)	83
asphalt(holes)	beekdal	448	birch(clay/loam)	71
304	Beestenmarkt	585	birch(nutrient-poor peat)	71
assess environmental effects	Begon(1996)	534	birch-common oak forest	437
502	Begon, Harper et al. (1996)	323	Bird and Habitat Directive	383
associations	Beidha	412	birds	356; 362; 365
330	Beintema(1995)	343	birds(Dutch)	379
associations(synecological)	Beintema, Moedt et al.(1995)	534	birds(phosphate, nitrate)	385
356	Bekhuis(1988)	343; 378	Birkhoff (1933)	319
Assuan dam	Bekhuis, Bijlsma et al.(1987)	534	Birkhoff(1933)	603
171	belt canal	193	black cherry	350
assumption	belt canals	176	black list	506
594	belt system	178	black poplar	349
assumptions(untraceable)	belts	178	black tern	384
390	Bense (1954)	319	Black-tailed Godwit	379
asteroid collision	Bense(1954)	603	blanket bog	437
201	Benthem en Crouwel	582	blanket bog formation	387
asthma	benthonic zone	204	bleached layer	228; 231
417	benzene	261	block distance	136
asymmetric street profile	Berg(2001)	343	blocks	560
560	Berg, Steur and Brus (1987)	226; 241	blocks(Eastern)	35
Atlantic heather	Berg, v.d., Steur and Brus (1987)	219; 236; 242	blocks(variation)	541
337	berging(nuttige, dode)	168	blocks(Western)	35
Atlanticum	beri-beri	381	block-shaped parcels	207
214	Berlage	541	Bloemers(1981)	41; 42
atmosphere(convective)	Berlage'	558	Bloom (1973)	218
92	Bern Convention	369	blue algae	380; 381
atmosphere(light, sombre)	berries	70	Blue Arrow	386
74	Betulon Pubescens	352	blue list	317; 369
atmosphere(planting)	Betuwe railway line	288	Boer, Hubert de	539
53	Betuwegoederenlijn	288	boerenhofsteden	106
atmospheric influence	bicarbonate	360	Boersma	546
30	bicycle lane(hedges)	86	Boersma(1991)	497
atmospheric refraction	Biesbos	295	boezem	167
30	Biesbosch	222	boezemkanalen	176
atom	bifurcation ratio	153; 155	boezems	178
200	Bijhouwer (1948)	278	bog	214; 247
attraction	BIK-codes	524	bog landscapes(lowland, upland, brookland)	234
420	bilharzia	171	bog peat	236
attraction between	Bink(1992)	343; 378; 534	bog soil(profile)	235
regions(functional charge)	bio restoration	261	bog soils	220
427	Biobase	366	bog types	232
attraction(mass, specialisation)	biodiversity	317; 365; 533; 536	bog(eutrophic, mesotrophic, oligotrophic)	232
427	biodiversity(genetic)	362	bog(wood, sedge, reed)	233
attraction(travel utility)	biodiversity(health)	317	Bogomolov (1958)	239
425	biodiversity инфраструктура, промышленные	335	Bohemien(1986)	343; 378
auction	biodiversity(mankind)	602		
492	biodiversity(means of design)	336		
audible sound				
139				
augite				
243				
autarky				
319				
autecology				
323; 325				
autumn(colours)				
70				
avalanche				
218				
average				
341				
azalea				
70				
azalea(acid soils)				
71				
azimuth				
28; 29; 30				
azimuth angle				
27				
B horizon				
214; 226				
B value(soil pollution)				
257				
Baarsjes				
541; 556				
Baas Becking				
325				
bacteria				
243				
Bahrdt(1957)				
417				
Bailey bridge				
195				
baileybrug				
195				
Bal(1995)				
338; 534				
Bal(1995, 2001)				
395				
Bal(2001)				
338				
Bal, Beije et al.(1995)				
534				
balance of use(energy)				
21				
balance(composition)				
556				
balconies				
579				
balconies(walled-in)				
579				
balk- of liggerbrug met meer				
overspanningen				
195				
balkbrug				
195				
ballet theatre				
467				
Baltic Sea				
444				
Baltic trade				
444				
banks(concave, convex)				
210				
banks(roads, railway lines, dykes, debris hills)				
217				
Barcelona				
539; 579				
Barkman(1987)				
44				
barrel				
10				

Bohemens, Buizer et al.(1986)	534	building ecologically	535	Capacity calculation	169
Bohn(2000)	445	building foundations	283	Capelle a/d IJssel(site preparation)	277
Bohn(2001)	338; 384	building part	485; 486	capillary action	239
bolster layer	235	building segment	485; 486	capillary forces	239
bomen	106	building(height)	32	capillary fringe	238
Bonn	422	building(prerequisite)	599	capillary fringe(pores saturated with air and water)	237
boog(ingeklemd, tweescharnier-, driescharchnier)	195	buildings(force(wind))	91	capillary heights	239
boogbrug	195	buildings(wind)	95	capillary water	72; 247
boogbrug met hooggelegen rijvloer	195	built area per person	331	capitals	559
boogbrug met laaggelegen rijvloer	195	built area(>50%)	492	captains of service	422
boogbrug met tussengelegen rijvloer	195	built area(open space(distance))	334	car exhaust gasses	507
bookshops	472	built-up area	489	car park(hedges)	88
boomgaarden	106	built-up areas	463	car tunnels	299
boomgaardgebieden	106	Buitenhof	280	Caracas	217
border(hedges)	87; 88	bulb cultivation	229	carbon dioxide	15; 365; 370
Boreaal	214	bulb field	449	carbon monoxide	506
boredom	319; 556	bulbs	70	Carboniferous	370
bossen	107	bundled concentration	340	carcinophobia	342
bosveen soil	236	bundled deconcentration	321; 405;	care centres	465
boulder clay	210; 211; 214; 244	419; 421; 565	419; 421; 565	caressible	388
Bouman(1979)	444	bunkers(energy)	21	car-free streets	579
boundaries	327	burning	438	Caribbean	373
boundaries(drawing)	567	bus	430	Carnot-engine	12
boundary layer	112	bus stations(underground)	300	Carolingian settlements	214
boundary layer thickness	113	business(Netherlands)	468	carp	381
bouwland	106; 448	butterflies(Dutch)	379	carpentry	258
Boven(1997)	580; 581; 582	BZV	369	Carpinon	352
bovenkruising	195	C value(soil pollution)	257	Carpino-Berberidion	352
Bovy(2000)	420	Ca	243	carrying capacity	412
Boyle	11	cabaret theatre	467	casae	441
Brabant	448	cable and pipe tunnel	310	casino or lottery	467
brackish water	206	cable and pipe tunnels	309	Casseres (1926)	312
brackish-water jellyfish	379	cable stay anchorage	195	castle	441
braided rivers	225	cables	74; 288	castles	552; 590
braided system(rivers)	208	cables and pipes in built-up areas	303	catalpa	70
Brandes	581	cables and pipes outside built-up areas	291	catastrophes	317; 365
brandstofcel	13	cables and pipes(communal trenches)	310	catchment area A	155
Brauwere	585	cables and pipes(future combination)	309	catchment areas	150
breaker's yard	258	cables and pipes(maps)	301	catchment basin	210
breakfast	35	cables and pipes(plan)	309	category formation	391
bream	381	cables and pipes(position in the street profile)	309	cathedral effect(road)	80
bream colonisation	381	cables and pipes(regional)	288	cattlefood(bream)	381
Breda	279; 445	cables and pipes(standard layout(<i>Den Haag</i>))	308	causal approach	339
Breems(2000)	407	cables and pipes(standard layout(<i>Rotterdam, Zevenkamp</i>))	308	causal relations	498
bridge	186	cables and wires	273	causal thinking	595
bridges	193; 195	cadmium	506	causal thinking(recucing diversity)	601
brik soils	226	café's	473	cause	93
brink	438	calamities	256	cause(ceteris paribus)	595
broekbos	448	calamities(tunnels)	298	cause(condition)	596; 604
Broekhuizen(1992)	343	calcium	71; 362	Cavendish	424
Bronze Age	214	camping	467	CBS	379; 451
brook	430; 431	camping grounds	473	CBS (1994)	419
brook valleys	228	canal	193; 430; 431; 449	CBS and RIVM(2001)	535
brown forest soils	231	canalisation	207	CBS Biobase	366
brown sand	228	canals	193; 301; 304	CBS(1993)	524
brugdek	195	cancer	417	CBS(1994)	475; 476
Bruges	444	cancer(stress)	342	CBS(2001)	451
Brundtland	318; 603	candela	35	CBS(2003)	17; 20; 21
Brundtland Committee	533	canopy	77	CBS's Standard Company Categorisation	391
brushwood	384; 386	canopy(road)	80	cd 35	
brushwood(ecological groups)	360	Canters	546	CDA	419
bruto woongebied	486	cantilever bridge	195	CEC	512
bryophyta	371	cantilever span	195	cell differentiation	365
BTEX	258	cantileverbrug	195	cell diversity	366
Bucknell(1967)	93	CaO	243	cell walls	362
buffer zone	420			cella	559
build outside the dykes	389			Cenozoic	371; 373
building	486			center span	195
building and garden	485			central antenna installation	297
building block drainage	305			central green(wind)	125
building companies	471			central open area	334
building complex	485; 486			Central Slenk	448

centralisation	563	clay polders	434; 435	common ragwort	361
centre(periphery)	562	clay shallow/shoal soils	224	communication(difference)	319
centripetal force	92	clay soils	220; 221	communication(diversity)	318; 602
Cerda	539	clay soils(mesh(ditches))	190	communities	331
Cerda's Barcelona	579	clay soils(subdivision)	245	community care centres	465
ceteris non paribus	596	clay(boulder)	210	community(species)	323
ceteris paribus presupposition	596	clay(nature potential)	380	commuting	454
CFK	507	clay(sandy, light, heavy)	245	compact cities	340
CH ₄	507	clay/loam soils(trees)	71	compact city	419; 421
chain of effects	502	clay-like sand	245	compact city/town	565
chalk	232	clay-on-peat	223	compact town	322
Channel tunnel	298	clay-on-peat soil	224	compact(town)	119
chaos	556	clay-on-peat soils	224	compacte Stad	322
chaos ecology	325	clean soil statement	246; 249	comparability(interdependent)	388
chaos function	415	climate change	16	comparability(internal)	388
chaos-theoretical	533	climatic changes	375	comparability(regional design)	480
characteristic details	560	climax	323	comparable facts	601
Charlemagne	441	climax species(planting)	64	comparison	593
chemical energy	22	climax stage	356	compartmentalisation(islands)	386
chemical industry	470	climax state	377	compass	30; 32
chemical lavendaries	258	clod	237	compass card	98
chemical oxygen consumption	507	closed courtyards	441	compensation	341; 530
chemists	465; 472	closed screen(trees)	81	competition	331; 356; 361
cherry	70; 74; 350	closed system	10	competition(interregional)	421
cherry(clay/loam)	71	closed water storage	285	competition(light)	34
Chézy	161	cloud layer	509	competitors	323; 363
chickweed	362	Club of Rome	543	component(detail)	559
children	341	club-mosses	371	components	557
childrens' hospitals and hospices	465	CO	506	components(composition)	560
childrens' independently homes	465	CO2	15; 243	components(focus)	560
Chinery(1988)	362	CO2(atmosphere)	370	composition analysis	556
chloride gases	506	CO2-production	19	composition(balance(repetition, diversity))	556
chlorinated derivatives	260	coal mines	441	composition(planting)	53
chlorinated solvents	258	coal(environmental costs)	18	composition-analysis	557
chlorofluoro-hydrocarbons	507	coarse-grained sand	226	computer network cables	301
chlorophenol	258	coast formation(mid-West)	353	computer networks	300
choice(forced)	343	coast formation(North)	353	computerprogramming	604
choice(freedom)	538	coast(erosion)	205	concentrated integration	394
choices(design)	319	coast(natural potential)	384	concentration	322; 420; 563
cholesterol	362	coast(rocks, coral, loose material)	205	concentration(conurbation, region)	332
chordata	381	coast(transgrassation, regression)		concept	601
christian democrats	420		204	concept(unforeseen possibilities)	390
chromium	258	coastal deposits	221	conception	601
church	422	coastal drift	205	conceptual image	558
CIAM's functional typology	550; 588	coastal plain	204	conceptualization	601
cinema	330; 467	coastal protection	187	concrete structure	237
cinemas	468	coastal trees	70	condition(semantic)	593
Cipolla (1970)	412	coasts(delta, coral, volcanic, fault)		condition(wave-lengths)	597
circumpolar	26	COENEN	580	conditional	533
circumstances(measure)	95	cognition	601	conditional analysis	536; 593
circumstances(succesively added)	95	Cohen(1872)	334	conditional approach	339
citrus cultivations	507	coherence(nearness, infrastructure)		conditional assessments	568
city highway	431	coherence(parts, whole)	561	conditional comparisons	593
city highways	153	cohesion(legend)	561	conditional evaluation	339
city(Dutch(rareness))	385	cohesive force	239	conditional links	500
civil engineering constructions	191	cohort	414	conditional operators	593
civil engineering offices	171	cold extensions	579	conditional range	593
civilisation damage	340	collage	550; 588	conditional sequence	95; 501; 538; 596
CI 506		collective concepts	567	conditional typology	339
claims on Randstad	339	Cologne	422	conditional(causal)	596
claims(spatial(regional))	527	coltsfoot	244	conditional(operation)	330
clairobscur	34	combinating	394	conditionality	497
classes	330	combinations	527	conditionality(two directions)	95
classes of roughness(wind)	105	combinations(regional)	421	conditionals	593
classification(ecological)	330	combined system(sewerage)	305; 306	conditions	327; 497
Clausman(1984)	338	combustion	506	conditions(administrative, cultural, economical, technical, spatial)	598
Claval(1976)	498	combustion emissions	504; 505; 506	conditions(architecture, environmental planning)	390
clay	207; 244; 248; 338	comfort(outdoor)	103	conditions(ecological)	317
clay fraction	247	comfort(wind velocity)	94		
clay granules	74	Commissie-Drinkwatervoorziening-Westen-des-lands (1940)	242		
clay landscapes	221	common field	270		
clay marsh	381				
clay parts	331				
clay plan	226				

conditions(sunlight, moist, acidity)	583	courtyards	583	darkness(atmospheric dust)	373
conditions(time)	597	courtyards'	441	Das(1993)	171; 172
configuration	124	cover sand	215	data networks	288
configuration(possibilities)	10	cover sand landscape	226; 228	date	30
confusion	319	coverage	361	Dauvelier, Peter	279
confusion of scale	320	cowslip	363	Dauvillier (1978)	246
confusion of scale	603	crabs	379	daylight penetration	74; 78
conifers	380	crawl space	280	daylight penetration(planting)	67
connections(scale)	321; 431	creativity	593; 595	daylight(filtering(trees))	75
Constandse (1967)	422	creativity centre	467	dB140	
Constandse(1967)	384	crèches	465	dB(A)	142; 144
Constandse, A.K. (1967)	434	creek bed	449	De Baarsjes	541; 558
constant(design tools(planting))	58	creek relic	449	dead storage	168
constellations	26	creek ridge	278; 280	deadice	211
consultancies	473	creek ridge soils	224	death rate	413
contact zones	329	creek(profiles)	224	debris	218
container trees	79	creeks	223	debris-fall	218
contaminating substances(soil survey)	252	Creemers(1983)	142	debris-slide	218
context sensitive effects	601	Creemers, Atteveld (1983)	311	December 22nd	25
context(geographical, historical)577		Creemers, Atteveld e.a. (1983)	306	decentralisation	563
contexts	394	creep	218	deciBell	144
continent	331	creeping	217	decibells	140
continent(areas of vegetation)	330	criminality	417	decibells	141
continental highway	431	crisis centres for women	465	deciduous forests	231
continental ice sheet	210	crocus	70	decision process(regional plans)	
continental loess	216	Crooswijk	585	483	
continental shelf	203	crops(water level)	175	deck	195
continental slope	203	crossings	191; 192	deck arch bridge	195
continents(heating)	93	crossroads	189	declination	25; 28; 30
continuity	55	crowding	341	decomposition processes	506
continuous beam	195	crown raising(tree)	84	deconcentrated specialisation	394
contraception	416	crown(tree(dense, open))	74	deconcentration	322; 420; 563
contradiction	593	crude oil	10	deep sea	203
contradictions(scale)	394	crumb	237	definition	600
contrapolar	562	cryoturbation	212	deflation	214
contrast	557	crystallisation	243	deglomeration	476
contrast(hedges)	88	crystals	243	degree of screening	52
conurbation	321; 485; 486	culmination	25; 30	Delfland	178
conurbation density	322	cultural	593	Delft	107; 280; 375
conurbations	331	cultural heritage	506	dell	205
conurbations(form(wind))	95	cultural identity	422	delta area	206
conurbations(high density)	340	cultural life	598	delta coasts	204
convection losses(wind velocity)	94	cultural-ecological study	409	Delta metropole	421
conversion(efficiencie)	12	cultural-historical maps	272	Delta Project	187
conversion(energy)	12	culture	594; 595	Delta works	446
conveyor pipelines	299	culture(collective concepts)	567	delta(nature)	384
Cooke and Doornkamp (1974)	212; 218	culture(economy)	567	Deltametropolis	332
cooling systems	507	culture=innovative(notNational(300 km)Regional(30km))	576	deltas	206
coordination	356; 362	culvert	186	democracy	421
cope ontginnung	207	cumulus clouds	92	demography	414
Copernicus	26	currant	70	dendritic pattern	189
copper beeches	74	current(intensity (ampere))	292	denitrification	512
copper emission(cables)	292	current(electric)	14	density comparison	492
copper-leaved trees	74	curtain(design tools(planting))	57	density measures(urban)	484
coral coast	204	curtis	441	density of homes	476
coral coasts	205	cyanides	258	density of investment	418
coral reef	205	cybernetic	533	density(air)	91
cormorant	386	cybernetic ecology	325; 326	density(ensemble, neighbourhood)	
Cormorants	384	cycle ride	430	485	
corners(inner)	579	cycle route	430	density(exclusive, inclusive)	153
COROP areas	475	cycle shop	472	density(frontal)	135
corridors	362	cyclical development(planting)	59	density(networks, crossings)	431
cosine rules	27	cyclical planting	59	density(population)	475
costs of risks	517	cycling maps	312	density(road network)	464
costs preventing unnecessary death	517	cyclone	92	density(scale)	321
costs(regional plans)	482	cylinder	11	density(urban)	331
costs(safety)	342	CZV	507	density(ways)	153
cotton grass	234	d 190		Denters(1994)	388; 536; 599
Count of Holland	444	d.w.d	305	Denters(1999)	405
country estates	352	daily rhythm	419	Denters, Ruesink et al.(1994)	534
country road	430	dalgrond	235	dentists	465
court yard	579	Dam, M. van	484	dependent variable	598
		damage	522	deposition	201; 203
		dance theatre	467	deposits in free water	222
		danger	524	deposits(river)	156
				depressions	510

diseases(population density)	417	disintegration(scale)	320	drainage requirement	273
desert loess	216	Disneyland	421	drainage solutions(pipe, lowering, raising)	273
deserts	148	dispersal and mixing	543	drainage systems	153; 273; 304
design	498; 601	distance function	420	drainage(building block)	305
design decisions(tacitly supposed)	551; 588	distance meter	32	drainage(buildings)	283
design sketch	378	distances travelled	454	drainage(hilly sites)	269
design speed	423; 426	distribution	10	drainage(peaks)	163
design techniques(planting)	59	distribution and abundance of organisms	322	drainage(river)	152
design tools(planting)	57	distribution maps	388	drainage(sand piles)	276
design vocabulary	551; 588	distribution reservoir with small storage	168	drainage(urban)	406
design(diversity)	319	distribution stations	293	draining	438
design(generating study)	343	distribution(particles)	11	draining problems(clay, peat)	280
design(possible worlds)	595	distributive frequency division(wind)	96	drains	288
design(urban, architectural)	500	district	321; 485; 486	drains(built-up areas)	280
design(vocabulary)	550; 588	district configuration	124	drawing(sound)	139
design(worthless areas)	390	district heating	300	drawing(difference)	597
designer	7	district heating network	301	drawing(preconditions)	595
designer(intentions((past experience, expectations)(use, perception)))	563	district image	541; 560	dredge	275
designers(possible problems(uncertainty))	342	district park	485	dredgers(vegetation-unfriendly)	406
designers' imagination(ecology)	390	district road	430	dredging(high-volume)	275
desintegration	604	district roads	153	Drenthian	211
detail(component)	559	district ways	153	Drents Plateau	210
detailling(morphological reconstruction)	561	district(lay-out(wind))	95	Driemanspolder	406
details	557	district(polarisation)	562	drift sand landscape	226
details(characteristic)	560	disturbance	536	drinking water	286; 289; 299
details(repeating)	561	ditch	430	drinking water(dunes)	205
Detawerken	167	ditches	176; 193	drinking water(reservoirs)	295
determinists	410	ditches(density, mesh width)	190	drinking-water	295
detritus	225	ditches(distance)	181	drinking-water network	295
dewatering	285	ditches(dykes)	241	Drouwenerzand	229
diatoma	380	ditches(groundwater)	239	Drunense Duinen	229
Dieckmann(2000)	407	ditches(main)	176	dry connections	424
Dieckmann, Law et al. (2000)	318	ditches(pattern)	180	drying up of buildings(wind velocity)	94
Dieckmann, Law et al.(2000)	533; 534	diversity	529; 556	dual access	449
Dienst Grondwaterverkenningen	272	diversity(species)	53	dual network strategy	192
difference	600	diversity(communication)	318; 602	ducks	384
'differentiation'	320	diversity(legends)	420	Duijvestein(1997)	542; 543
'differentiation'	604	diversity(locations)	154	duinpan	205
differentiation(functional)	562	diversity(risk)	317	dune birch forest	437
digestibility(salt, acid)	362	diversity(statistical reduction)	343	dune county	348
digging up	438	dividing(morphological reconstruction)	560	dune formation	205
digits(m2 area)	485	diving ducks	381	dune formation(plants)	205
dijkdorp	438	division of functions	417	dune forms	206
dikes around old kerns	214	division of labour	417	dune heath	437
dikes(height)	151; 164	dobben	213	dune landscape	214; 226; 449
dinner	35	doctors'	465	dune landscapes(young, old)	229
dinosaurs(extinction)	365	dode berging	168	dune oak forest	437
diopsite	243	dogwood	349	dune relics	449
diploid	371	Dolomites	203	dune ridge	449
diploid life cycle	371	Don, Meadows, et al.(1992)	546	dune valley vegetation(calcium)	71
Diptera	379	donk	215; 449	dune woods	352
direct current	14	doom scenario	499	dune(ore, transverse, parabolic, ridge, linear)	205
direction(groundwater flow)	267	doorgaande ligger	195	dune-grassland	437
direction(wind(probability))	99	Doorn(1978)	415	dunes	214; 295; 337; 350; 434; 435; 442
direction(wind)	96	Dordrecht	444	dunes(river, free, phytogenic)	215
Directorate-General for Public Works and Water Management	272; 286	Dordrecht(1992)	543	dunes(water)	242
Dirk II	444	dose-response diagram	518	dune-thicket	437
Dirk III	444	downdraughts	69	duration line	163
Dirk V	444	draaibrug	195	dust	524
Dirk VII	444	drain pipes(distance)	181	dust storms	237
Dirkse(1994)	384	drain systems	531	Dutch population	452
disaster(air pollution)	519	drainage	273; 285	Dutch trees	349
discharge	208	drainage (illuviation and eluviation)	237	Duuren (1997)	379
discharge data	165	drainage data	162	Duuren(1997)	366; 380; 385
discharge quantity Q	152	drainage depth	273; 285	Duurzaam Veilig	430
discharge(upstream)	168	drainage directions(landscape)	152	dwarswetering	449
diseases(physicians)	342	drainage ditches	190	dwelling(occupance)	452
		drainage hydrology	163	dyke	434
		drainage pattern(east of the Veluwe)	265	dyke breaches	225
		drainage pool	430	dyke occupation	438
				dykes	207; 285; 286; 445

dykes(inner edge(nature potential))		Edelman (1950)	208; 218	empty cables	301
	381	edge green(wind)	125	empty pipes	309
dykes(seepage)	241	edge profile(planting)	53; 56	empty shells	301
dynamic	533	edge space	66	empty spaces	579
dynamic character(planting)	58	edge/design tools(planting))	57	enclosed effects	80
dynamic planting	59	Edge(hedges)	88	enclosed horizontally	583
dynamical ecology	325	edge(north-facing, south-facing)	68	endogenous	201
Eames	200	edges(hedges)	88	energetic emissions	505; 507
eardrums	138	edges(planting(profile))	68	energy	9
earth	331	education	466	energy content	10
earth flow	218	Edward III	444	energy flows	21
earth(biomen)	330	Eemian	211	energy profit(wind turbines)	93
earth(nodding)	25	Eemian interglacial	374	energy saving	531
earth(radius)	24	eerd peat soils	236	energy slaves	22
earth(turning)	26	eerd soil	226	energy stocks(fossile fuels)	15
East Anglia	234	eerd soils	226; 231; 232	energy storage	22
East from Greenwich	28	effect analysis(double counting)	536	energy supply	534
Eastern blocks	35	effect prognoses	520	energy use(buildings(wind velocity))	
ebb	206	effects(planting)	52	energy use(global,national)	15
eclipse	26	efficiency	10	energy use(Netherlands)	17
eclipse(sun)	34	efficiency(energy conversion)	12	energy(conversion)	12
ecliptic surface	24	Egmond	229	energy(dimensions)	9
Eco Building(TU district)	278	Eh512		energy(flow diagram)	21
ecocentric	500	Ehrlich and Ehrlich(1990)	534	energy(wind)	544
ecocentrism	594	Ehrlich and Speth	538	enk	231
eco-friendly building	305	EHS	338; 362; 388; 395	enkeerd soils(black, brown)	231
ecological atlases	534	EHS doelsoort	369	Enschede	335; 404; 406
ecological building	544	Eindhoven	342	ensemble	485; 486; 579
ecological community	381	elderly homes	465	ensemble area	488
ecological conditions	533	electric cables(urban)	299	ensemble density	485
ecological connection	529	electric power stations(capacity)	21	ensembles	541; 560
ecological construction	543	electric wires(drainage)	283	ensembles(wind)	95
ecological disasters	602	electric wires(site		entrance section	559
ecological effect(environment friendly building)	535	preparation(criteria(drainage)))		entrances	137; 579
ecological footprint	15		282	entropy	10; 11
ecological footprint(national(biomass))	15	electricity	288	envelope curve	414
ecological footprint(national(solar energy))	15	electricity distribution network	288	environment	325; 497; 500; 594
ecological footprint(national(wind))	15	electricity grid	14	environment friendly building	535
ecological groups	331; 358	electricity network	293	Environment Ministry	253
ecological groups(progress, decline)	360	electricity network(continenta		environment(conditions for life)	598
ecological infrastructure	334; 362; 406; 499	national, regional)	293	environment(reservoirs)	170
ecological potencies(technical measures)	358	electricity network(voltage(high, medium, low))	292	environmental accountancy	503
ecological preconditions	264	electricity production	10; 167	environmental care	535; 538; 541
ecological problems	534	electricity transformer kiosk	292; 299	environmental charts	520
ecological processes	439	electricity(domestic)	14	environmental costs	18
ecological school(holistic-vitalistic, dynamic, cybernetic, chaos-theoretical)	533	electricity(static)	298	environmental effectivity	533
ecological space	538	electrolysis	261	environmental hygiene	502
ecological tolerance	318; 361; 545; 602	electro-osmosis	261	environmental impacts	502
ecological typology(scale)	337	electrophoresis	261	Environmental Management Law	
ecological values going down	390	electro-reclamation	261	503	
ecology	500; 533	elm	35; 80; 273	environmental planning	500; 604
ecology(time–space connection)		elm lanes	352	environmental policy	171
	567	elm(iep	83	Environmental Policy	531; 664
ecology(urbanization)	599	elms	77; 84	environmental policy plan	503
ecology=diversifying(District(1km)n otNeighbourhood(300m))	576	elms(pavement raising)	73	environmental policy plans	502
economical conditions	596	elms(poplars)	79	environmental pressure	534
economical possibilities	596	elongated lots	449	environmental problems	499
economy(technical infrastructure)		elongated(town)	119	environmental problems(solved by urban design)	342
	567	elongation(networks)	192	environmental	
economy=growing(notGlobal(10000 km)Buildingpart(1m))	576	eluviation	229	problems(solving(conditions(rest oring, creating)))	499
ecosystems	327	elvers	380	environmental quality targets	521
ecotones	327	emergency overflow	170	environmental quality(costs)	522
ecotope	325; 331	emigration	413; 415	environmental quality(regional, special, general)	523
Ede	457; 585	emission ceilings	523	environmental regulations	499
		emission factors	502	environmental science	325; 533
		emission limiting values	523	environmental standards	502; 503
		emission sources	504	environmental strategies	501
		emission(dispersio	502	environmental stress	533
		n)	505	environmental tactics	501
		emissions(mixed)	507	environmental technical design	500
		emissions(variation)	508	environmental technique	535; 541
		Emmen	235; 457	environmental techniques	538
		empirical research(causal thinking)			
			595		

environmental utility space	533; 537; 538	extinction rate	317	flexibility	539; 564
environmental utility space(building industry)	534	extinction(230 million years ago)	371	floating bridge	195
environmental-impact statement	517	extinction(230 years ago)	371	floating constructions	278
environmentally decisive design	600	extinction(saurians)	373	floating homes	278
environmentally friendly	499	extraterrestrial	201	flood	206
environmental-usage space	533	extreme value distribution	164	flooding	207; 280
EPEL	523	Eyck(1968)	343	floodings	167
Epidauros	558	F 506		floodings(1953)	187
epidemics	412	façade relief	586	floods	217
epidemiological research	341; 533	façade(approaching)	558	floor area index	491
epigenous	201	façade(night, morning, afternoon, evening)	586	floor area ratio	491
epigenous processes	201	façade(horizontal, vertical)	579	floor surface	484; 490
equality	600	façade(trees)	74	floor(ground, top)	579
equality(difference)	326	façades	560; 579	floor(intermediate)	579
equations	601	façades(variation)	541	flora-counties	331
equator	92	factor 20	538	Floris V	444
EREP	428	Faculty of Architecture in Delft	29	florists	472
erosion	201; 207; 412; 415	fall	22	Floron	405; 406
Erosion	203	falling water(energy)	22	FLORON Foundation	378
erosion(glacial)	210	fall-out	511	flow diagram(energy)	21
erosion(wind)	214	family dilution	452; 476	flower auction	492
es 231; 270; 448		family warehouse	541	flowering times(grass land,forest)	48
Escher (1962)	206; 218	fan cable stayed bridge	195	flowering times(pioneers,ruderals)	46
esdorp	438	FARE	493	Flowering times(wetland,water)	49
esdorpen	207; 270	FARI	492	fluctuations(river, soil permeability)	208
Eskens, E. (2000)	421	farmland	448	flute	140
esker	211	FARN	493	fluvial area	399
establishments	469	fast bus	430	Fluvial landscape	449
esthetics(diversity)	538	fault coasts	204	fluvial loam	208
estuaries	206; 337	fauna	370	fluvial processes	217
estuary	338	Fe243		fluvial sand	208
estuary floors	206	Fe2+	240	fluvio-glacial deposits(sandr, esker, deadice)	211
ethylbenzene	261	Fe4+	240	fluvio-glacial outwash	208
Europe(vegetation(map))	384	feather like connection	154	focus	560
European coasts	422	feb	47	fog	511
European diversity and rarity	384	feldspar	243	foliage	34
European nature map	445	fence	86	footpath	430
eutrophe	360	fenland communities	449	footpath(hedges)	86
eutrophic bog	232	fenland community	449	force	9
eutrophication	406	FeO ₄	243	foredune	205
evaluating(conditionally)	339	ferns	34; 371	forest(ecological groups)	360
evaluation	569	fertilisation	362	forest(typical(landscape))	351
evaporation	148; 150; 151	fertilisation(insects)	372	forests	34; 228
even.design tools(planting))	58	fertilisers	229	forests(deciduous)	231
evergreen shrubs	70	fertilisers(artificial)	445	forests(tropical rain)	148
evolutionary ecology(exceptions)	318	fertilising	438	form parameters	98
Excel	30	fertility	415	form(legend)	597
exceptional occurrences(magnified(television))	342	feudal system	445	form(state of distribution)	534
exceptions(average)	342	Feynman	420	formaldehyde	506
exclamations	594	Feynman(1966)	7	formalist position	598
excommunicated	417	fibre optic networks	288	formation(landscapes)	330
exhausted materials	534	field observations	271	formation(peat, river, pleistocene sandy)	354
exit frequency	423	field visit	252	formations	331; 338
exits	425	fields	352	formula	7
exogenous	201	fifth memorandum	455	forsythia	70
exotic species	68	film theatre	467	fortress-like extensions	579
experiencial value	562	film theatres	468	fossil fuels	534
experiencial value(shape)	562	filter(plantation)	68	fossile fuel(biomass(solar power))	14
experimental impact assessment	95	final use(energy)	21	fossile fuel(biomass)	14
exploratory survey protocol	249	finished-off image(variation)	541	fossile fuels	10; 19
explosion	298	fire brigade	295	foundation depth maps	272
exponential formula	112	firm plateau	210	foundation methodology	273
exponential growth	412	fish mortality	168	foundation stratum	273
exposition	517	fish(freshwater(atlas))	381	foundations(wooden piled)	304
exposure(length, frequency)	523	fishery firms	469	four variant method(Duijvestein)	543
exposure(stone, water)	577	fishing laws	381	fox	385; 386
express	430	fixation techniques	259	fractions(clay, silt, loam, sand, gravel)	247
extensions	579	fjords	204	fractions(sand, silt, clay)	244
externalised architectural functions	579	flageolet	140	fragmentation	192; 476; 579
extinct(species)	365	Flanders	444	frame	550; 588
		flank in wind	118		
		Flevopolders(forests)	384		

frame(grain)	378	gauge points	511	grain(rarenes)	378
frame(rareness)	377	gauge(indicator)	389	grain(rareness)	377
frameobject(District(1km))	576	gauges(nature(present, potential))	390	grainobject(Buildingcomplex(30m))	576
Fraunhofer Institut	597	gauging network	511	grape	34
free dunes	215	Gaussic Plume model	510	graphic industry	258
Freedman (1975)	417	Gay Lussac	11	grass fields	384
Freedman(1975)	341	gebundelde deconcentratie	322	grass land	47; 91; 352
freedom of choice	538	'geest	229	grass land(ecological groups)	360
freedom of		Gelderland	381	grass lands(poor)	361
choice(design(robustness))	564	Gelderse Poort	374	grass snake	381
freedom of choice(difference)	595	Gelderse vallei	242	grasses	372; 373
freedom of choice(diversity)	541	Geleen–Sittard	457	grassland	448
freedom of		gene banks	362	grasslands	386
choice(possibilities(variety))	603	genesis of life	365	grasslands(water level)	175
freedom of choice(variation)	540	genetic deterioration	362	gravel	74; 244; 331
freedom, equality and brotherhood		genetic exchange	362	gravel fraction	247
	420	genetic richness	365	grazing	438
freon	507	genius loci	372; 534; 546	grazing animals	356; 437
frequence	138	genius loci(biological)	366	Great Bear	26
frequency divisions	98	genome	317	great titmouses	362
Friesche Wouden	228	geographical coordinates	30	greater burdock(river county)	348
Friesian lake region	386	geo-hydrologic isolation	262	greater plantain	317
Friesland	441	geo-hydrologic maps	272	grebe	385
front(polarisation(connection, communication))	561	geo-hydrologic settings	252	green area	489
fronts	327	geological and geomorphological		green areas	426
frost	304	maps	220	Green Heart	288; 332; 339; 420
frost cracks	211; 213	geological maps	268; 272; 312	green monuments	76
frost mounds	211	Geological Survey of the		green network(water)	192
frost-proof	282	Netherlands	220; 272	green plan	300
fruit culture	229	geological time scale	214	green seaweeds	380
frustration	417	geomorphologic maps	272; 312	green urban areas	528
Fukuyama (1992)	318	geomorphological landscapes of		green wall	77
Fukuyama(1992)	603	the Netherlands	202	greenery	578
Fukuyama-expectations	597	geomorphological maps	268	greenhouse-effect	370
funcionalist position	598	geomorphological		Greenland	210
function(area capacity)	565	processes(agents)	203	Greenwich	28
function(legend)	597	geomorphological unit	331	Greiner	581
function(probable, possible)	565	geomorphological unit(flora		greppels	176
function(structure(form))	597	counties)	330	grey area	521
functional charge	332; 429	geomorphology	201	grey water	304
functional differentiation	562	George(1961)	563	greylag goose	384
functional identity	459	geotechnical surveys	272	grid	153; 539
functional profile	451	germinating time	369	grid fetishism	539
functional value	562	GHG	248; 267	grid mesh	153
functional values(economy, culture, administration)	563	Gids(1986)	102	grid models(air pollution)	510
fungi	243; 380	Gijsbrecht van Amstel	444	grid(square, triangular)	67
Furgeso-Lees(1987)	378	GIS system	390	grids	539
future generations	420	Gittenberger(1998)	378	grienden	352
future value	562	glacial age	213	Grime(1988)	362
future(unpredictable(freedom of choice))	545	glacial loess	216	Grime, Hodgson et al. (1988)	323
futures(improbable, possible, desirable)	544	glacial valleys	204	Groen	405
futures(probable, possible, desirable)	595	glacials	374	Groen(1995)	335; 378
gadwall duck	388	glacier(continental ice sheet,		Groene Hart	298
gadwall ducks	380	catchment basin, valley)	210	Groenman (1960)	421
Gaia hypothesis	200	glaciers	156	Grondmij	445
galleries	579	glass fibre	300	grondwaterstanden	248
gametes	371	GLG	248; 267	grondwaterstroming	248
garages	258; 473	global warming	171; 531	grondwatertrappen	248; 267
garden(front,back)	35	Gobi desert	216	Grondzaken	301
garden(hedges)	88	golden rain	70	Groningen	294
gardening	274	Gooi	228	Grontmij	446
gardens	489	Gooi(health)	341	Groot(1992)	387
Garms(1977)	372	Gool(1986)	13	gross	486
Garretsen(1989)	342	gors	222	Grote Markt(Haarlem)	585
gas	288	gors soils	222	Ground Affairs	301
gas and oil rigs	256	gothic cathedral	409	ground descend	171; 531
gas distribution stations	299	Gotthard tunnel	298	ground pollution	511
gas network	294; 298	Gouwzee	380	ground statistics	475
gas pipe pressure	299	gradient	327	ground water class map	267
gas(environmental costs)	19	gradiëntenkaart	328	ground water level(grasslands, crops)	175
gates	166	gradients	329	ground(soil)	247
		gradients around farm and town	438	ground(technical possibilities and limitations)	264
		grain	550; 551; 588; 589	ground-moraine	227
		grain structure	237		
		grain(frame)	378		

groundwater	72; 237; 247	harmony(hedges)	88	HF	506
groundwater analysis	268	harp cable stayed bridge	195	hibiscus	70
groundwater currents	512	harptuibrug	195	hierarchical orders	189
groundwater data	266	Harrison(1964) 409; 410; 411; 416	150	high marsh	222
groundwater flow(horizontal, vertical)	240	Harrison(2001)	438	high rise at the edge(wind)	125
groundwater flowlines	242	Haveneiland	582	high rise buildings(ventilation)	94
groundwater flows	240; 248; 267	Hawking,S.(1997)	420	high rise on the edge(wind)	128
groundwater level	238; 266; 275	hawthorn	70; 349	high salt marsh	222
groundwater level(lowering, raising)	273	hazards	314	higher sandy soils	397
groundwater level(soil intervention)	264	hazel	350	highest groundwater level (HMGL)	240
ground-water maps	268; 272	HCHO	506	high-speed rail	288
groundwater quality maps	272	head in wind	118	high-voltage cables(risk zones)	292
ground-water table	229; 238; 247	health	533	High-voltage transmission lines	289
groundwater table(municipality)	304	health facilities	465	highway	145; 430; 431
groundwater tables	239; 248	health objectives(urban design)	342	highways	153
groundwater tables(natural, artificial(polders))	240	health(biodiversity)	317	highways(national, regional, local, city)	153
groundwater zone	238	health(civilisation damage)	340	hindrance chart	390
groundwater zone (pores saturated with water)	237	health(definition)	317	historic building projects	468
groundwater(ditches)	239	health(public)	304	historic value	270
groundwater(fluctuation)	240	health(scale)	317	historical analysis	270
groundwater(salt)	241	health(towns, income, life style, soil conditions)	341	historical map	269
groundwater-table map	266	healthy city project	342	historical maps	312; 314
group accommodations	467	hear	138	HMGL	240; 248; 267
growth	413	heart disease	417	Hoekse en Kabeljauwse Twisten	444
growth form(trees)	52	heat	22	Hoeven and Louwe(1985)	560
guide values	521	heat content	11	Hoge Veluwe	229
guiding principles	533	heat loss(radiation(atmosphere))	92	holiday chalet	467
guiding tower	195	heat pump	544	holistic-vitalistic	325; 533
Gulf Stream	204	heat pumps(energy contribution(national))	20	Holland	444
Gumbel distributed	164	heather	234	Hollandse Waterlinie	529
Gumbel paper	164	heather sods	228	Hollerbroek	444
Gumbel type	164	heathland	231	holly	70; 350
gusts	96	heathland reclamation	448	holocene	338
gymnosperms	372; 380	heating	10	Holocene	229; 347
H+N+S	332; 394; 479	heating pipes	300	holocene dune	226
H ₂ S	506	heating(district)	300	Holocene dune and sea landscape	229
H ₂ SO ₄	506	heavier soils	221	Holy	279
Haagse Beemden	279	heavy metals	258; 260; 261	holidays(dangerous)	342
Haarlem	278; 449	hedge(height)	87	home(nature(distance))	340
Haarlemmermeer	234; 457	hedges	86; 352	homes for the mentally handicapped	465
habitat	323; 325	hedges and thickets(limy grounds)	352	homes for the those with sensory handicaps	465
habitat(animals)	333	hedges and thickets(nutricous grounds)	352	homes per year of construction	462
Haccou(1994)	330	hedges(deciduous)	89	homes(Netherlands)	461
haf county(sea clay, peat)	348	hedges(evergreen)	88	homes(regional plans)	482
Hagemeijer and Blair(19???)	534	hedges(pruning)	89	homo erectus	409
Hagemeijer(?)	343	Heerlen	457	homo habilis	409
Hails (1977)	213	hefbug	195	homo sapiens sapiens	409
Hal(2000)	533	heftoren	195	homogenous	557
Halder(2000)	361	Heidemij	445; 446	homogenous mixture	405
half-day crèches/nurseries	465	height belt	369	Hondsrug	229
half-through arch bridge	195	height differences	315	honey-locust	70
halogen	506	height(standard(wind))	96	Hoofdweg(Baarsjes)	560
halogenated hydrocarbon	258	Heijligers, W.	529	Hooghoudt formula	182
halogenated hydrocarbons	258	Hekstra(1993)	501	Hook and Cod Disputes	444
halogenated solvents	261	Held and Clausman(1985)	534	hope	597
halogenic hydrocarbons	507	Held(1991)	338; 356	horizon(free)	331
hamamelis	70	helophyte filters	304; 307	horizontal variation(planting)	53
hamlet	321; 485; 486	Hendriks(1993)	497; 598	hornbeam	70; 83
hands	409	herbivores	362	horse chestnut	70; 75; 78; 80
hanger	195	herbs(shrubs(trees))	60	horse chestnut (kastanje)	83
hangkabel	195	Herk	582	horse chestnut(clay/loam)	71
hangwaterzone	238	Hermans(1982)	22	horsetails	371
hangwaterzone(pores primarily filled with air)	237	herring	444	horticultural gardens	467
Hannover	385	hertz	138	horticulture	352; 370
Hanseatic League	444	Herzberger	278	Hosper	394
haploid	371	heterogeneous	557	Hosper(2001)	530
harbour areas	299	Heukel's flora	369	hospitals	465
Harbour Island	582	Heukels' Flora	365; 371; 372; 373	hostels caring for vagrants and homeless people	465
harbour island(IJburg)	577	hexachloro-benzene	507	host-family care centres	465
hardening	438	hexachloro-butadiene	507		
		hexachloro-cyclohexane	507		

hotel with 1000 over-night stays per year	467	identity(town)	422	inhabitants per ha	485
hotels	473	IJ tunnels	298	initial abiotic situation(same)	388
Hotzan(1994)	36	IJburg	298; 582	initial interaction	115
hour angle	26; 30	iile zone	421	initial situation	387
hour average wind velocity	138	IJmeer	380	inner environments	417
hour field	378	IJssel	157; 167; 385	inorganic emissions	505
hour-field frequency	378	IJsselmeer	167; 225; 380; 384; 385;	insecticide	506
house service connections	309	IJsselmeer region	387; 381; 389	insects	343; 356; 362; 365; 372; 379
house(household)	330	IJsselvallei	242	insects(Dutch)	379
house(polarisation)	562	ijsvlakte	106	in-situ soil purification techniques	261
houseboat parks	278	IKC	395	Institute for Inland Water Management and Wastewater Treatment	268
household	453	illness rate	517	insurance companies(fear)	342
household management(habitat)	410	illuviated clay soil	226	insurance(children)	416
household(electricity use)	13	illuviation	229	insurance(health)	341
household(house)	330	illuviation horizon	230	integration	92; 604
household(occupants)	476	image quality	556	integration(scale)	320
Houtribdijk	384; 386	image quality plan	405	intensity of use	418; 475
Houwaart(1991)	334; 404	image quality(variation)	564	intensity(use)	317
HSL tunnel	298	image(conceptual)	558	intensity-of-use gradient	438
Huber, Hans	278	image(district)	560	intention(tradition, opportunity)	563
Huisman(1998) 150; 151; 157; 167		image(neighbourhood)	560	intercity train	430
human biodiversity	341	image(urban margin(built-up, vacant)))	578	interdependent comparability	388
human capital approach	517	images(assembling)	550; 588	interference	431
human centred approach	325	imagine(possible)	595	interference(networks)	191
human dynamic	356	immigrants	453	interfunctional activities	417
humanity	409	immigration	413; 415	interglacial periods	213
humidity(atmospheric)	238	immission	517	interglacials	374
humification	327	IMP Water	523	Interliner	430
humus	72; 247	impact(extremes)	95	internal boundary layer thickness	113
humus podzol	230	impactculture(Town(3km), Neighbourhood(300m), Buildingpart(1m))	577	internal comparability	388
humus(amorphous)	231	impactecology(Regional(30km), Neighbourhood(300m), Ensemble(100m), Buildingcomplex(30m), Building(10m))	577	internalised urban functions	579
humus-iron podzol	231	impactmass(Building(10m))	577	international functions	422
hunger	413	impacts(standard reference)	95	interregional task division	426; 427
Hunnebedbouwers	211	impactmanagement(Regional(30km), Neighbourhood(300m), Building			
hunting	411	complex(30m), Building(10m), Buildingpart(1m))	576	interstadial periods	213
husbandry	438	improbable possibilities	498	inversion landscape	224
hybrid systems	430	in situ purification	259	inversion of the landscape	223
hydrangea	70	income	341	inversion(weather)	509
hydrocarbons	258; 506	incomparable values	569	investment	553; 591
hydroelectric power stations	293	independent variable	598	inward-directed approach	500
Hydrofluoride	506	index	491	Irido-Alnion.	352
hydrogen	22	Indicative Long-term Water Programme	523	iron	229
hydrogen sulphide	506	indicator species	388; 391	Iron Age	214
hydrogen(environmental costs)	18	indicator(gauge)	389	iron pan	228
hydrograph	162	indicators	361	irregular pattern	67
hydrographic charts	272	indicators(climate)	51	irreversible problems	501
hydrographical chart	268	indoor sports facility	467	ISIC-codes	524
hydrolic radius	161	industrial accidents	506	Israel(1995)	445
hydrological measure points	172	industrial areas(cables and pipes)	297	Israel, J.I. (1995)	421
hydrological unit	331	industrial processes	506	ivy70	
hydrological unit(communities)	330	industrial revolution	21; 412; 417	ivy-leaved toadflax	360
hygienists	404	industrial sand maps	272	J 10	
hygienists(19 th century)	334	industrial sites(soil pollution)	257	Jacobs(1961)	341
Hymenoptera	379	industry	470	Jakubowski(1936)	563
hyperstone	243	infiltration ability	285	jan	47
hypogenous	201	informal use(planting)	69	Jansen and Heel(1993)	534; 535
Hz138		information emissions	505; 507	Jansen(1965)	444; 445
iatrogenous	342	infrared light	14; 92	jobs(regional plans)	482
ice age	213; 384	infrasonic	138	Jong (1985)	317
ice ages	37; 374	infrastructure(ecological)	334	Jong and Engel(2002)	550; 588
ice period	210	infrastructure(separation, connection)	561	Jong and Priemus (2002)	412
ice-pushed ridge	211			Jong and Ravesloot (1995)	556
ice-pushed ridge landscapes	226			Jong and Ravesloot(1995)	535
ideal longitudinal profile(river)	210			Jong and Voordt (2002)	318
ideal typical profiles	352			Jong and Voordt(2002)	533
idealistic position	594			Jong(1972)	594
identifying plants	366			Jong(1978)	533; 561; 562
identity	529			Jong(1985)	94; 419
identity of regions	427			Jong(1986)	124
identity of towns	420			Jong(1988)	417
identity(region, conurbation, town, district, neighbourhood)	451			Jong(1992)	500; 533; 540; 594
identity(time or place)	582			Jong(1993)	542; 543
identity(town(functional))	459				

Jong(1994)	535; 542; 545	land consolidation	447	Leonardo Da Vinci	546
Jong(1995)	335; 405; 540	land registry plans	309	Leopold	152
Jong(1996)	18; 408; 539; 540	land use	270; 475	Lepelaarsplassen	384; 389
Jong(1998)	424	land use in the Netherlands	463	leuning	195
Jong(2000)	325; 335; 533	land use map	270	liberals	419; 420
Jong(2001)	36; 91; 113; 339; 390; 391; 493; 530	Land van Maas en Waal	229	licensing system	503
Jong(2002)	339; 370; 413; 415; 421; 485; 490; 533; 534; 593	land/water transitions	386	lichens	381
Jong(2003)	145; 152	landcover	270	life communities	356
Joosten and Noorden(1992)	546	landfarming	260	life community	325
Joosten(1992)	386	landform patterns(sea)	203	life forms(one-celled, multiple-celled)	365
Jugendstil	540	landforms(sea, rivers, ice, wind)	203	life span	369
july	48; 49	landhoofd	195	life style	341
june	48; 49	landscape	322; 331; 485; 565	life(risk to die)	342
June 21st	25	landscape changes(temperature)	376	life(sea, land)	371
juniper	70	landscape forms	315	life(water)	200
Jura	203	landscape park	485	lifecycle	341
k 512		landscape parks	322; 565	lift bridge	195
K 243		landscape theatres	552; 590	liggerbrug	195
K ₂ O	243	landscapes(urban)	565	light	35
kaart	312	landslides	217	light permeability(tree)	34
kaartblad	312	land-use statistics	391	light pollution	69
Kamerik	449	large copper butterfly	361	light requirement(planting)	60
Kant(1976)	594	large storage reservoir	168	light(city,artificial)	34
Kelle(1980)	46; 48; 49; 348; 350	Late Glacial	214	light(water(silt))	384
KELLE(1980)	349; 350	lateral differences in wind velocity		lighter soils	221
Kethel(site preparation)	278		112	lighting	273; 309; 578
Kethelrugpad	280	lateral moraines	448	lightning power	35
key actors	421; 422	lateral wind effects	120	lightrail	430
key to symbols	597	latitudes	24	light-weight construction(site preparation)	277
kinetic energy	22	lattice	153	light-weight raising	277
kitch(emotions(prescribed))	564	LAVIN	395	lijndorp	438
Kjehldahl	507	lawns	274	lilies	372; 373
klapbrug	198	layered/design tools(planting))	58	liliidae	373
Klijn(1995)	330	LCA	536	Limburg	226; 347; 448
Klok(1981)	41	LCA method	534	lime	35; 77; 80; 83
knipklei	224	lead	258	lime(linde)	83
KNMI De Bilt(1979)	510; 514	leaf cover	69	lime tree	76
KNMI(1979)	519	leaf mozaic	34	lime trees(pavement raising)	73
KNNV	406	leather working industry	258	lime(summer)	70
knotgrass	360	leaves(size(soil))	70	lime(winter)	70
Kolasa and Pickett (1991)	323	leefvlaag	277	limes convergens	327
Kolasa and Pickett(1991)	534	Leeuwen	326; 499	limes divergens	327
Kolasa(1991)	330; 405	Leeuwen(1959) 351; 352; 353; 354; 355; 356		limestone	203
Koolenbrander (1995)	246; 263	Leeuwen(1964)	327	limiting condition chart	390
koopveen soil	236	Leeuwen(1970)	326	limiting factor(minerals)	362
Kootwijk	229	Leeuwen(1971)	438; 600	limiting value	521; 523
Koten-Hertogs(1995)	412	Leeuwen(1973)	327; 438; 545	limiting values	521
Koutamanis(2002)	603	Leeuwen, C.G. van	533; 542	limits to growth	415
kraagliggerbrug	195	legend unit(type)	550; 588	Limpens(1997)	343; 378
kraanbrug	197	legend units	561	Limpens, Mostert et al(1997)	534
Krebs (1994)	322; 323	legend units(mixing, separating)	565	line sources	510; 511
Krebs(1994)	534	legend units(scale-segmented)		linear dunes	205
Kruedener (1951)	230; 236	approach)	565	linear-shaped legend elements	476
Krupp (1995)	318	legend(adhesion)	561	liquid extraction	261
Krupp(1996)	597; 603	legend(agenda)	567	littoral zone	204
Kuipers (1972)	214; 218; 224; 225; 236	legend(cohesion)	561	liverworts	371
kWa	9	legend(efforts, existing, planned)		living	497
kwel	240; 248; 267	476		living layer	277
kwelder	222; 225	legend(scale)	551; 588	living platforms(site preparation)	277
kwelders	207	legend(transition)	566	Im 35	
kWh	10	legend(typology)	550; 588	LMGL	240; 248; 267
kWhth	10	legend(unconventional)	552; 590	LNV	385; 389
laagveen	435	legend(vocabulary)	597	LNV(1990)	362
Lachiver(1964)	413	legends(scale)	347	LNV(2000)	526; 529
lagoon county	338	legend-units infrastructure	554; 591	LNV(2002)	338; 435; 436
lagoons	206	legend-units landscaping	552; 589	load bearing capacity of soils	307
lake	430; 431	legend-units physics and soil	554; 591	load bearing layer	273
lake bed(stabilisation)	380	legend-units town and traffic	553; 590	loam	244
Lame and Bosman	255	Leiden	325; 444; 449	loam fraction	247
Lame and Bosman (1993)	249; 251; 263	Leidraad Bodemsanering	257	loam(sandy, silty)	245
Lame and Bosman (1994)	249; 250; 263	Leidscheveen	107	loamy soils	220; 232
		Leonard(1977)	412	Lobith	151
				lobsters	379
				local average wind velocity	95

local choice of location(wind)	95	main ecological structure	395	Mast Forest in Breda	445
local highway	430; 431	main port	387	masts	296
local highways	153	main ports	422	matchmakers	362
local train	430	main road(hedges)	86	materialistic position	594
location(choice(national))	99	main street	430	mathematics	7
location(choice)	273	maintenance costs(site preparation)		maturing (withdrawal of water from newly raised ground)	237
locations(building(national(wind)))	96	maintenance		Maurits	445
lock	186	requirements(planting)	61	maximal acceptable level of risks	521
locks	176; 186	maintenance work(planting)	59	may	48; 49
locust tree	350	maisvelden	106	McMahon(1983)	139
locust tree / false acacia (acacia)	83	Malschaert	585	McMahon(1987)	139
Loerakker	582	Malta Convention (1999)	288	meadow barley(holocene)	348
loess	214; 215; 232; 244	mammals	362; 365	meadows	352
loess region	440	mammals(advance)	371	Meadows(1992)	414
loess(desert, continental, glacial)	216	mammals(atlas)	381	meander	207
logaritmic formula	112	mammals(night animals)	365	meandering river	207
Log-Gumbel	164	mammals(saurians extinction)	373	meandering rivers	225
logic	593	management(culture)	567	meanders	156
logic(formal)	594	management=initiating(Global(1000 Okm)notContinental(3000Km).Su bcontinental(1000Km).Buildingpa rt(1m))	576	means directed	330
logical form	594	manor	441	means(scale)	320
logical reasoning	593	manope	195	means-directed	596; 598
logistic curve	414	mantouw	195	measure	95
Log-Pearson	164	manure pollution	501	measure(reference situation(deviation))	95
Londo (1997)	317	manures(artificial)	439	measures(condition)	95
Londo(1987)	50	manuring	362	measures(context independent)	95
Londo(1998)	365	map analysis	312	measures(possible)	121
longitudinal comparative research	533	map research	314	Mecanoo	580
longitudinal research	341	map(historical)	269	mechanical emissions	505; 507
Loosdrechtse Plassen	234	map(land use)	270	medical day centres for infants	465
loose planting scheme	76	map(topographic, aerial photograph)	270	medicine	317
loosestrife	361	map(water management)	286	medicines(use)	341
Los Angeles	217	map-based morphological research		medieval houses / farms	288
lot 485; 486; 488		315		medieval town	422
Lotke-Volterra	413	map-based research	314	medieval town(functional differentiation)	563
lounge(through)	562	maple	74	Meerendonk(1998)	378
Lourijsen	581	maple(esdoorn	83	Meertens	492
Lovelock (1995)	200	mapping the environment	390	meererveen	236
Lovelock and B.v. Segeren (1979)	200	maps	268; 272	Meerzicht	406
low rise at the edge(wind)	125	maps of the Netherlands	312	megalith builders	211
low rise buildings(ventilation)	94	maps(cables and pipes)	301	Mehrtens	582
low rise on the edge(wind)	128	maps(delivery)	272	Meijden(1989)	348; 349
lowering polder level	275	maps(historical)	314	Meijden(1996)	330; 339; 362; 365
lowest mean groundwater level (LMGL XE "LMGL")	240	maps(scales)	312	Meijden(1999)	348; 349; 350; 360; 361; 363; 371; 373; 378
lowland bog	234	march	47	Meijendel	205
lowlands	434	March 21st	24	Melchers(1991)	388
lowlands(watermanagement)	171	margin(built-up area, vacant area)		Melchers(1996)	378; 385
Ludwig	444	577		Mennema(1980)	343; 348; 378
Luhmann (1973)	320	marginal specimens	545	Mercatorplein	558; 559; 585
Luhmann(1973)	604	marginally growing specimens	318	mercury	258; 506
lumen	35	Margulis(1994)	497	meridian	28
lux	35	Marijnissen(1998)	373	mesh density	424
lux meter	35	marine-clay areas	402	mesh length	189
Ix 35		Markermeer	380; 382; 384; 385; 386	mesh of ditches	190
lye	258	market	422	mesh width	189; 464
Lysen(1980)	22	marl	203	mesh width(local motorways)	425
Maarel and Dauvellié (1978)	246; 263	marram grass	205	meshes	189
Maarel(1978)	387	marram(dune county)	348	meshes	424
Maarleveld	227	Mars	15	Mesolithicum	214
Maas	229	marsh	337	mesotrophic bog	232
Maas (1984)	315	marsh fern-alder swamp	437	Mesozoic	371
Maas and Tummers	279	Marsh Fleawort	379	metal and galvanic industry	258
Maas(1984)	315	marsh soils	222	metals(heavy)	258
Maastunnel	298	marsh(clay)	381	meteoric collision(65 million years ago)	365
Maasvlakte	205	marsh(salt)	380	meteoric impact(65 million years ago)	373
Mabelis(2000)	389; 390	marshy woodland	228	method(composition analysis)	556
MAC	523	mass migration	417	methodological problems(relation theory)	330
madeveen soil	236	mass(hedges)	88	methylene chloride	261
magma(cooling)	243	mass=concentrating(Regional(30k m)notSubregional(10km),Town(3 km).notDistrict(1km),Neighbour ood(300m))	576	metro	430
magnetic fields	292				
magnolia	70				

metro lines	299	mosses	381	nature development	410
metro networks	298	mosses	365; 371	nature in exile(hygiene)	342
metropolis	153; 485; 486	motivation	571	nature policy	330
Meuse	207; 208; 289	motoric deprivation	417	Nature Policy	529
Mg	243	motorical polarity	562	nature reserve(conditions(nature))	330
mica	243	motorway maps	312	nature target types	330; 358; 534
Michels(1993)	139; 144	motorways	464	nature work-groups	381
micro climate	205; 356	mouldering	236	nature(appreciation)	388
micro climate(wind)	95	moulting period	386	nature(clay)	380
Mid-Atlantic Ridge	203	mountain building	201	nature(concept)	377
Midden-Delfland	280	movements(sea)	204	nature(mowning)	406
middenoverspanning	195	mowing	438	nature(programme of requirements)	
migrations	412	mud flat	222	nature(railway line)	406
milieugebruiksruimte	533	mud flats	435	nature(relief-rich infrastructure)	406
millet grass-beech	437	mud flow	218	nature(urban subsoils)	405
mind of technology	597	mud soils	222	nature(verges)	406
mineral gradient	438	mull	233	nature(water courses(urban(old)))	406
mineral oil	261	mullein	70	nature(water level management)	385
mineral oils	258	multifunctional	540	nature-target types	392; 395; 396
mineralisation	327	multimodal intersections(travel		Natuurbeschermingswet	369
mines	256	resistance)	427	natuurdoeltype	529
minimisation(energy losses(wind		multiple span beam bridge	195	Natuurmonumenten	394
velocity))	94	municipalities	455	Nauta and Vellinga(1995)	534
Ministry of Transport, Public Works		muscovite	243	Nauta(1995)	343; 378
and Water Management	286	museum	467	neandertalers	409
Ministry of VROM(1990)	542	music	138	Neanderthal	214
Minnaert	34	music and creative arts centre	467	nearness	561
Minnaert(1968)	7; 138	music school	467	Nederlands Lucht- en	
mixed emissions	505	mute swans	380; 384	Ruimtevaartcentrum	270
mixed husbandry	438	MVRDV(Dutch pavillion)	385	Nederlands Normalisatie Instituut	289; 292
mixed sewerage system	283	MWa	9	Needian	211
mixing	565	Myers(1985)	338	negligible risks	521
MJ	9	N.A.P.	347	neighbourhood	485; 486
mobile telephony	296	Na	243	neighbourhood	321
modality(designer, empiricus)	390	Na ₂ O	243	neighbourhood area	488
moddergronden	222	Naardermeer	386	neighbourhood density	485
moder podzol	230	NACE-codes	524	neighbourhood image	560
Moens (2000)	270; 287	NAP	375	neighbourhood park	485
Moens (2002)	315	narcissus	70	neighbourhood quarter	124
moerasbos	449	narrow streets(planting)	78	neighbourhood street	430
moisture in the air	509	National Aerospace Laboratory	270	neighbourhood tare	488
molecule	331	national choice of location(wind)	95	neighbourhood(allotment(wind))	95
molluscs	381	national highway	430; 431	neighbourhood(polarisation)	562
momentum	9	national highways	153	neighbourhood(wind)	124
Mondriaan	539	National Plan of Environmental		NEN 1738	290
mondveengrond	236	Policy	526; 531	NEN 1739	302
money(scarcity, production)	387	National Plan of Nature Policy	526;	NEN standards	292; 293; 295; 296;
Monnikendam(Piet Blom(site		529	302; 307	302; 307	
preparation))	277	National Plan of Spatial Policy	526;	neolithic revolution	412; 546
monocausal explanation	601	527	527	Neolithicum	214
monocultures	372; 373	national plan of watermanagement		neritic zone	204
monofunctional	15	policy	171	Nes(2000)	153; 423
monofunctional spaces	540	National Plan of Watermanagement		net	486
monotony	417	Policy	526; 531	net density	189
Mont Blanc tunnel	556; 557	national planning(means directed,		Netherlands Organisation for	
montage	298	aim directed)	330	Applied Scientific Research	272
Montesquieu(1973)	550; 588	national policy	526	Netherlands Standardisation	
Montferland	563	national rarity	378	Institute	289
monumentenwet	227	Natte Omtrek	161	Netherlands(international task)	434
monuments	288	natura artis magistra	540	Nett residential area	486
Monuments and Historic Buildings	314	natural area(types)	377	netto woongebied	486
Act	288	natural gas	9; 10	network	423
mood(planting)	53	natural gas extraction	294	network city	421
moor	338	natural landscape	352	network density	431
moor land	337	natural vegetation(potential)	434;	network(green, water)	192
moorland soil	226	437	437	networks(alternating)	192
moors	235	natural world	594	networks(combination)	301
moraine(lateral, end, recessional,		natural(concept(scale))	341	networks(dry, wet)	192
ground)	210	natural(planting)	53	networks(elongation, bundling)	192
moraines	210	Naturalis Museum	370	networks(transitions(regional,	
morphologically reconstructed	560	naturalness	539	local))	288
Morrison	200	naturalness(planting)	56	New Amsterdam Level	375
mortality rate	517	nature	443		
mosquito's	317	nature conservancy	395		
moss	33; 233	nature conservation	410; 447		
		nature conservation plan	362		

New Map of the Netherlands	2000	Odum(1971)	326; 534	outdoor space(comfort)	93
	477	oerbank	230	outside space(green, blue)	579
Newton	420; 424	offshore bars	225	outside spaces	584
Newton, I. (1687)	420	OH	243	outward boundaries	594
NH ₃	506	oikos	392	outward-directed approach	500
Nie(1996)	343; 378; 534	oil platforms	298	overall solution	420
Nienhuis(1993)	501	oil rigs	256	overflow system	306
Nieuwe Waterweg	288	oil(crude)	10	overflow(emergency)	170
Nieuwegein	477	oil(environmental costs)	19	overhanging(design tools(planting))	58
night animals	365	Old	580	overhangs	579
Nijmegen	208; 325	old farmland soils	231	Overijssel	228; 234; 242; 449
Nijs(1995)	144	Old Pleistocene	214	Overijsselse Vecht	229
Nijs, L.(1995)	144	Old Rhine	444	overloading	556
Nile delta	171	old sphagnum bog	233	overpass	195
nitrate	385	Oldenbarneveld	445	overtones	139
nitrate cycle	412	Oldenbarneveldt	421	overtones(instrument)	143
nitrates	258	older young sea clay	214	oxidation	237; 240
nitrification	512	oligoclase	243	oxidation process(fauna)	370
nitrogen	15; 356; 507	oligotrophe	360	oxigen	15
nitrogen cycle	438	oligotrophic bog	232	oxygen	341; 370
nitrogen manure	356	OMA	478	ozone	511
nitrogen oxides	506	onderdoorgang	195	ozone layer	507
NLR	270	one-celled life forms	365	Jong	423
NMP	542	one-dimensional pollution models	511	paint and dye industry	258
NNAO(1987)	447	on-site visit	252	pairing messengers	343
NNAO(Ontspannen scenario)	418	oorgatbrug	198	pak	258
Noah	317	Oosterschelde	387	Palaeozoic	371
node(sound)	139	oostvaardersplassen	384	Palenstein	406
nodes(patterns(tree, feather))	155	Oostvaardersplassen	384; 389	Paleolithicum	214
noise	144; 524	ooze flat	222	Palladio'	558
noise(traffic, aviation)	144	ooze flat area	222	Palmboom	315
nomenclature(plant species)	365	open areas(central, peripheral)	334	Palmboom (1990)	315
nomenclature(scale(biology, urbanism))	330	open areas(function)	332	palynology	213
nominal measure	330	open space	331	Pampus-West	380
nominal value	321	open space(hedges)	88	PAN	506
noon	33	open spaces(woodland)	60	Pannekoek (1956)	208; 211; 218
Noordhuis(2000)	389	open surface area	490	Pannekoek (1973)	209; 218; 239; 242
Noordoostpolder	225	open water	283; 284; 386	papillionaceous flowers	356
normal test population	318	open water storage	285	parabolic dune	205
North -Brabant	448	open water system	304	parabolic formula	113
North Brabant.	446	open water systems	273; 301	parabolic-shaped sand dune	448
North -Limburg	448	open water(site	319	paradox	319
north pole	24	preparation(criteria(drainage)))	565	paradoxical concepts	565
North Sea	294		parallel	24	
North-east polder	449	open-air sports facility	467	parapet	195
North-East Polder	225	opening to a hamlet	430	parasites	362
note(music)	138	operation study	169	parcel	485; 486; 488
Novelli(1989)	578	operational	533	parcellations(theoretical)	492
NO _x	506	operational(conditional)	330	parcelling	488
nurse crop system	59; 64	opportunities	325	parcelling characteristics	490
nurseries	465	opportunity-directed	419	parcelling forms	315
nursery grown tree	84	Opschoor(1994)	412	parcelling-out	314
nursing homes	465	options(left-over)	390	parcels(block, strip)	207
nutritiousness	360	orchard	449	parking areas	74
nuttige berding	168	orchards	352	parking areas(drainage)	283
oak	70; 74; 80	orchids	373	parking garages(underground)	300
oak and ash forests(moisty)	352	order(chaos)	93	parking lots	34
oak forest	337; 437	orders	330	parks	283
oak forests(acid not poor grounds)	352	orders(hierarchical)	189	parks(site	
		orders(synecological)	356	preparation(criteria(drainage)))	
oak forests(acid poor grounds)	352	organic architecture	539	282	
oak(coastal)	71	organic emissions	505	Parma	444
oak(eik)	83	organic matter	229	Parsons(1966)	563
oak(pavement raising)	73	organic matter in ground	247	Parsons(1977)	563
oak, ash forests(dry grounds)	352	organisation(temporal)	418	partial duration series	163
oak-beach forest	337	organohalogens	260	particle size	244
oak-beech forest	434	oriels	579	particle size fractions	247
oak-hornbeam	437	orientation(sun)	328	particle-size distribution	247
oaks(slow growing)	79	original landscape	352	partition(design tools(planting))	57
object of study and its context	570	orthoclase	243	partition(hedges)	88
occupance per dwelling	452	orthogonal pattern	189	passive purification	286
occupancy(dwelling)	463	orthopolar	562	Paterswolde	228
occupants per household	476	OSR	492	path	430
octaves	138	Otto III	444	paths(drainage)	283
Odum	325	oudeland	225		

paths(site preparation(criteria(drainage))))	282	pesticides	258	plant identification(height belt, areal position, use, germinating time, life span)	368
patio	485	Peters(2001)	524; 525; 623; 637	petrol	9; 10; 261
patterns(tree, lattice)	153	petrol stations	258; 473	petrol stations	258; 473
paucicausal	601	pH	231; 232; 512	pH groundwater	283
paved area	489	pH groundwater(trees)	282	pH groundwater(trees)	282
paved surfaces	281	phase A	227	phase A	227
pavement	74; 430	phases B + C	227	phases B + C	227
pavements(ants)	33	phenol	261	phenol	261
paving(porous)	72	Philp (2001)	318	Philp (2001)	318
paving(sinking areas)	73	phosphate	385	phosphate	385
PCB	258; 507	phosphates	258; 506	phosphates	258; 506
PCT	507	photo-chemical smog	507; 511	photo-chemical smog	507; 511
peak discharges	163	photovoltaic cell	544; 600	photovoltaic cell	544; 600
peak loads	23	phreatic level	238; 247	phreatic level	238; 247
peak stress	508; 523	physical conditions	497	physical conditions	497
Pearson	164	physical determinists	410	physical determinists	410
peat 214; 225; 247; 338; 351; 435		physical-geographical region	396	physical-geographical region	396
peat bog	449	phytogenic dunes	215	phytogenic dunes	215
peat bog area	449	Pianka (1994)	318; 323	Pianka (1994)	318; 323
peat bogs	449	Pianka(1994)	414; 534	Pianka(1994)	414; 534
peat counties	361	piano	138; 140	piano	138; 140
peat exploitations	435	pier	195	pier	195
peat extraction	449	pijler	195	pijler	195
peat formation	381	pine	229	pine	229
peat lands	207	pine forests	435; 507	pine forests	435; 507
peat landscapes(lowland, upland, brookland)	234	pineapple weed	360	pineapple weed	360
peat layers	232	pine-spruce forest	337	pine-spruce forest	337
peat moss	233	pingo	213	pingo	213
peat mud	234	pingos	211; 212	pingos	211; 212
peat oxidation	275	pioneer environment	406	pioneer environment	406
peat polders	179	pioneer species(planting)	64	pioneer species(planting)	64
peat soil	248	pioneer vegetation	356	pioneer vegetation	356
peat soils	73; 220; 236	pioneer(ecological groups)	360	pioneer(ecological groups)	360
peat stream	449	pioneering plant	44	pioneering plant	44
peat types(botanical)	233	pioneering-plant	45	pioneering-plant	45
peat(drying)	179	pipe drains	176	pipe drains	176
peat(formation)	354	pipe radius	309	pipe radius	309
peat(wood, sedge, reed)	233	pipeline(pressure)	306	pipeline(pressure)	306
peatland areas(problems)	275	pipelines	288	pipelines	288
peaty soils(mesh(ditches))	190	pipes	74; 288	pipes	74; 288
pedestrian crossings	578	pipes for transporting	288	pipes for transporting	288
pedologic data	268	pipes(branch)	300	pipes(branch)	300
pedological classification(ground water)	237	pipes(council registrations)	252	pipes(council registrations)	252
pedological landscapes	220	pipes(heating)	300	pipes(heating)	300
Peel	235; 387	pipes(junctions)	309	pipes(junctions)	309
Peelhorst	227	pipes(site		pipes(site	
pelagic zone	204	preparation(criteria(drainage)))		preparation(criteria(drainage)))	
pendular water	72	pistils	362	pistils	362
pentachloro-phenol	507	piston	11	piston	11
people per dwelling	419	place	485	place	485
per	258	place(hedges)	88	place(hedges)	88
perchloroethene	261	plagioclase	243	plagioclase	243
percolation k	190	plan area	488	plan area	488
percolation(water, vertical)	190	plan(visual quality)	541	plan(visual quality)	541
perennials	52; 70	plane	35; 75; 78; 83	plane	35; 75; 78; 83
periglacial forms	211	plane tree	52	plane tree	52
peripheral open space	334	plane trees(width)	74	plane trees(width)	74
periphery(centre)	562	plane(plataan)	83	plane(plataan)	83
peristylum	559	planes(pavement raising)	73	planes(pavement raising)	73
permafrost	211; 212	planhorizon(2030)	576	planhorizon(2030)	576
permeability	208	planned space and		planned space and	
permeability(soil)	181	time(escape(nature))	330	time(escape(nature))	330
Permeta 488; 491; 492		planning horizon	577	planning horizon	577
PERMETA-architecten(2002) 488; 489; 490; 491		planning layer	477	planning layer	477
Permian	370	planning(spatial)	418	planning(spatial)	418
peroxide-acyl-nitrate	506	planological index numbers	475	planological index numbers	475
perspective(changing)	577	plans(perspective)	394	plans(perspective)	394
perspectives	394; 528	plant bed(dimensions)	63	plant bed(dimensions)	63
pest epidemic	412	plant beds(<6m wide)	65	plant beds(<6m wide)	65
pest epidemics	444	plant communities	388	plant communities	388
pesticide industry	258	plant growth(soil intervention)	264	plant growth(soil intervention)	264
				plant identification(name(scientific, english, dutch))	366
				plant	
				identification(nutrients, acidity, salinity, dependency ground water, root depth, water flow)	368
				plant identification(occurrence in The Netherlands)	368
				plant identification(occurrence in The Netherlands, protection)	368
				plant kingdom	365; 378
				plant kingdom(division)	372
				plant material	60
				plant taxonomy	373
				plantain	360
				plantations	552; 590
				planting distances	79
				planting distances(trees)	74
				planting effects	52
				planting elements	52
				planting hole	274
				planting scheme	79
				planting trees close together	79
				planting(cables)	73
				planting(climatological conditions)	69
				planting(physical environment(urban))	64
				planting(soil)	70
				planting(visual effects)	52
				planting(wind)	78
				plantpit	73
				plants	362
				plants(energy conversion)	14
				plants(pH groundwater)	283
				plants(urban use)	68
				plastics	506
				plateau brook valley	228
				platform	195
				platforms	579
				platy structure	237
				playgrounds(hedges)	87
				playhouse	467
				playing fields(site preparation(criteria(drainage)))	282
				playsites fields	284
				pleistocene	213
				Pleistocene	347; 374
				pleistocene ground moraine	211
				Pleistocene loess	216
				Pleistocene sand layer	282; 283
				Pleistocene sand soils	228
				pleistocene(formation)	354
				plot	485; 486; 488
				plot ditches	182
				plot division	488
				plot division(polders)	182
				plot division(shadow)	35
				plot(regulation)	36
				plots(narrow,deep)	35
				plough	412
				ploughing	438
				plutonic rock	243
				pochards	384

podzol	214; 229; 230	possibilities(economical supply, choice(freedom))	318	programmeculture(District(1km).Building(10m))	577
podzol soil	226	possibility(difference)	600	programmeecology(Global(1000km),Town(3km))	577
podzol soils	231; 232	possibility(set of conditions)	604	programmeconomy(Regional(30km),District(1km),Building(10m))	577
podzol(moder, humus)	231	possible	498	programmemangement(Town(3km))	577
poiésis	595	possible measures	121	programmemass(Town(3km),Neighbourhood(300m),Ensemble(100m))	577
point sources	510; 511	possible(future)	595	programmetechnique(Subregional(10km),Town(3km))	577
pointillistic representation	527	possible(imagination)	595	projects	528
poison	341	possible(probable)	330	projects(consequences(small, large))	422
poison(resistance)	519	Postbank	232	property	485; 486
polar axis	24; 25	Postjes neighbourhood(Baarsjes)	560	proposals	594
polar front	510	potential emissions	505; 508	PROSA method	543
Polaris	26	potential energy	22	protection of plant species	369
polarisation(house)	562	potential maps	268	provinciaal bestuur	286
polarisation(open, closed)	561	potential natural vegetation	437	provincial government	286
polarisation(public, private)	562	potential of territory	330	provincial highway	430
polarity(scale)	561	potential wind velocity	96	pruning	83
polarity(sensoric, motoric)	561	power	9	pruning hedges	89
polarity(structure)	561	power (watt)	292	pruning methods	75
polder landscapes	222	power of attraction	424	prunus subhirtella 'autumnalis'	70
polder(site preparation)	275	power plants	293	psychiatric disorders	417
polderpeil	167	power station	13	psychiatric hospitals	465
polders	167; 180; 226; 269; 338	Powers of ten	200	pteridophyta	371
polders(deep, soil)	238	practical value	562	public and private spaces	417
Pole Star	26	practitioners	465	public area	490
poles	424	prawns	379	public facilities	463
political programmes(concentration, deconcentration)	420	pre-boreaal	214	public health facilities	465
pollard willows	352	precipitation	148; 150; 151; 171; 305; 531	public housing policy(hygiene)	334
pollarded willow(knotwilg)	83	precipitation N	190	public space(light)	34
pollen	362	preconception	593; 594	public surface	488; 489
pollen analysis	213	precondition	594	public transport(stops)	425
pollen dating	375	preconditions for life	594	Public Works	445
polluted petrol stations	261	predators	356; 412	public works time schedule	300
polluting	438	predict	498	Pulses	546
pollution crossing terrain		pre-glacial sand	214	pumiceous structure	237
boundaries	252	preparing a site for development	273	pumping station	269
pollution(air(dispersion))	103	preparing a site for habitation	273	pumping stations	176; 304
pollution(ai, soil)	524	prerequisite	594	puppet theatre	467
polychlorobiphenyl	258	presence	383	purification(water(active, passive))	286
polychloro-biphenyles	507	pressure differences(wind)	126; 133	purifying wastewater	286
polychloro-therphenyles	507	pressure pipeline	306	pyroxene	243
polycyclic aromatic hydrocarbons	261	pressure pipelines	295	quadrangleulation	440
polynomial	452	presupposition	594	quality	319
pond	431	presuppositions (suppressed)	394	quality standards(ground, water, air)	502
ponds	301	presuppositions(computerprogram ming)	604	quality(architectonic and urban)	541
Pons	208	preventing informal use(planting)	68	quality(space, time)	387
Ponting (1992)	412	prey	412	quality(urban, architectural)	538
ponton	195	Jong	452	quality(variation)	603
pontonbrug	195	Prigogine	93	quarries	256
pontoon	195	Primary Ecological Structure	385	quarter	321
poor grass lands	361	primary education	466	quarter(neighbourhood)	124
poplar	35; 273; 349	priorities in the use of time	419	quartz	243
poplar(coastal)	71	priority substances	522	Quaternary	374
poplar(populier)	83	prismatic structure	237	quays(responsability)	286
poplars	352	private area	490	questions	594
poplars(elms)	79	private surface	488	R.W.D.	283
poplars(growth)	69	privet	70	r.w.d.)	305
population	325	probability	10	race	430; 431
population densitie(habitat)	410	probable	498	races	176; 193
population density	475	probable(future)	595	radiation	35; 507
population dynamics	412	probable(possible)	330	radio	297
population fluctuations	412	problem field	571	ragged and soft.design tools(planting))	58
population(isolation)	362	problems(urban, architectural)	500	railway network	446
population(minimum)	362	process emissions	504	railway network(density)	464
populations	323	procumbent pearlwort	360	railway stations	298
porches	579	profiles(ideal typical formations)	352		
pore(volume, size)	240	prognoses(categorysation)	391		
pores(soil)	237	programme of			
port of Rotterdam	298	requirements(assigned, additional(intention of designer))			
portal bridge	195				
ports(cables and pipes)	297				
possibilities for future generations	420				
possibilities for future life	529				
possibilities(conditions)	330				

railway tunnel	298	regional highway	430; 431	Riemsdijk and NOBO(1999)	533
rain water	304	regional highways	153	Rijk van Nijmegen	228
rain water discharge	305	regional plans(costs, homes, jobs)	482	Rijks Geologische Dienst	220; 272
rainwater discharge	283	regional policy	526	Rijks Instituut voor	
raise the level of the ground	406	regional rarity	378	Zoetwaterbeheer en Zuivering	
raising	438	regression	204	van Afvalwater	268
raising with sand	275; 277	regression coasts	204	Rijkswaterstaat	272; 286
raising(light-weight)	277	regression(polynomial)	136	Rijkswaterstaat(1998)	175
ramps	579	regular pattern	67	rijvloer	195
Randmeren	381; 385	regulation system(water)	200	RIN	533
random walk	152	regulation(plot)	36	Rio de Janeiro	217
Randstad	332	Reh	552; 589	Rippl diagram	169
Randstadgroenstructuur	529	relamations	448	risc-cover for life(variety)	602
rare plant species(urban, national)	337	relation theory	327; 330	risk calculation	341
rareness	319; 330; 339	relief(frequency)	583	risk coverage for life	544
rareness and replaceability	445	removals	454	risk coverage of life(biodiversity)	
rareness(artefacts)	378	Renswoude	228	365	
rareness(grain)	378	repeating details	561	risk coverage(diversity)	564
rarified zone	421	repetition	556	risk factors(tunnels)	298
rarified zones	421; 426	replaceability	386	risk management	508
rarity	529; 530	replaceability	330; 530	risk of explosion	292; 298
rarity resolution	378	representing existing areas	477	risk(risk avoidance)	342
rarity resolution	378	reproduction factor	415	risk(species(extinction))	317
rarity(criterium)	377	reproduction(water, vegetatively)		risk-cover for life(diversity)	317
rarity(distance to the nearest x examples)	377	reproductive organs(recognisability)		risks	508; 521
rate of growth(planting)	60	reptiles	362; 365	risks of non-delivery	23
ratio	491	requirements for human life(direct, indirect)	500	risks(irrigation)	168
rats	317	research(diminishing returns)	343	Riss	227
Jong	540	research(epidemiological)	533	Riss Ice Age	214
raw materials network	297	research(longitudinal,comparative)		river	430; 431
raw peat soils	236	research(urban, architectural)	500	river accompanying vegetations	337
RE	253	reservoir(exploitation)	170	river classification	207
real estate price(water's edge)	565	reservoir(water(use))	170	river county	348
receding/design tools(planting))	58	reservoirs(water)	167	river deposits	221
recessed floors	579	residential area per inhabitant	475	river discharges	163
recesses(façade)	579	residential areas	475	river dunes	215
reclamation soils	229	residential areas(industrial areas)		river forelands	352
RECLUS (1989)	428	residential courts	68	river regime	208
recognisability(species)	372	residential walk	430	river runoff(permeability, climate, vegetation)	208
recognition	319; 556; 601	residents per continent	452	river section(length)	155
recovery	387	resistance	602	river terraces	226
recreation(open space(size, altitude))	333	resistance(biological)	342	river years	163
rectangular	189	resistance(poison)	519	river(drainage.exe)	152
recycling	543	resolution	378; 570	river(formation)	354
red list	317	resolution(drawing)	550; 588	river(morphology(transported material))	156
Red List	385	resolution(frame, grain)	378	river(profile)	158
red oak	350	resonance	143	river(season bound)	163
red-listed birds	385	respect from the public	68	rivers(glacier, rain, source, combined)	208
red-listed species	381	responsibility of the designer	498	rivers(intermittent, permanent, interrupted)	208
redo	512	responsibility(species)	317	rivers(meandering, braided, tidal)	
redo potential	512	restaurants	473	225	
reduction	237; 240	retailers	472	rivers(valley-forming, meandering, anastomosing, braided)	207
reduction horizon	230	retention	151; 167	RIVM	526; 536
reduction measures(environmental)		retention reservoir	170	RIVM (1994)	260; 263
	534	return period	164	RIVM(2000)	16
reduction of diversity	601	Reuver(1999)	424	RIVM(2001)	338; 434; 436
reed bog	233; 234	reversible	140	RIZA	268; 389
reed marsh	337	revolutions(natural history)	370	road	145; 430
reed morass	384	RGD	272	road banks	217
reed vegetation	386	Rhine 151; 156; 207; 208; 289; 295; 428		road freight haulage companies	473
reference environment	409	Rhine delta	207	road management	286
reference images	550; 588	Rhine(Old)	435; 444	road network(density)	464
reference situation(deviation)	95	rhododendron	70	road salting	69
reference(choice)	95	rhododendron(acid soils)	71	road surfacing	273
reference(internal, external)	391	Rhone delta	207	road(district,neighbourhood,ensemble)	124
reference(nature(historical(climatic change)))	391	rhythm/design tools(planting))	58	road(support base)	464
references(change)	95	richness in species(urban)	406	roads(district)	153
refinery	10	ridge dunes	205	roads(drainage)	283
reflection(solar power)	14	ridge(ice)	211	roads(length)	463
reflexive judgements	319	Riemsdijk and NOBO (1999)	318		
regional choice of location(wind)	95				
regional density	322				

roads(site preparation(criteria(drainage))))	282	salers	472	Schllicher van Bath(1960)	413
Robeco building in Rotterdam	69	Salicion	352	schools	466
robustness	390; 535	salinization	286	schoorbrug	195
robustness(flexibility, diversity)	564	saline plant communities	434	schor	222; 448
rock-	218	salinity	206; 359	schorren	207
rock block	244	salinity(sea)	203	schuiven	166
rock fall	218	salt extraction areas	256	Schumpeter dynamics	597
rock salts	22	salt marsh	222; 225; 380	Schumpeter-economy	318
rock(igneous)	243	salt marshes	207	Schut (1994)	261; 263
rocky coasts	205	salt proportion	359	science and art	595
rode lijst	369	salt vegetations	337	science(optimizing probable effects)	604
Rokkeveen	107	salt(road)	69	scientific education	466
Röling, Wiek	539	salt-marsh vegetation	437	scots pine	350
Roman settlements	214	saltwater bell	241	screen(hedges)	87; 88
Romein(1938,1971)	421	Sambuco-Berberidion	352	screening(degree)	52
roodoorn soils	224; 225	sanction possibilities	503	screening/design tools(planting))	57
roof of public space	34	sanctuaries	386	screening(planting)	54
room	485	sand	207; 215; 244; 331	sculptural effect	579
room(polarisation(sensoric, motoric))	561	sand crouch grass	205	sea	431
root ball	75	sand delivery per 'axle' by lorries	276	sea and land winds	510
root ball(tree)	72	sand extract lake dredge	275	sea buckthorn	70
root growth	243	sand flat	222	sea charts	312
rose	70	sand fraction	247	sea clay	214
rosebay willowherb	363	sand piles drainage	276	sea(classification)	203
roses	52; 70	sand ridges	279	sea(trenches)	203
Rotterdam	298; 315; 422; 458	sand soils	220; 226	seasonal maximum outside	384
Rotterdam(North, East(site preparation))	276	sand soils(purification)	260	seating shelter(hedges)	88
Rotterdam(Robeco building)	69	sand soils(subdivision)	245	secondary education	466
roughness	92	sand to raise an area	274	sedge bog	233; 234
roughness based calculations(wind)		sand(brown, yellow, red, humus-rich, grey)	228	sediment(sea)	203
roughness classes	96	sand(clay content)	245	sedimentary rock	203
roughness island	112; 113	sand(clay-lit ²⁰)	245	sedimentation	203; 207
roughness(bed(river))	161	sand(cover, drift)	215	sedimentation deposits	375
roughness(ground(standard))	96	sand(loam content)	245	sediments(rivers, coastal currents, wind, ice)	243
roughness(homogenous unirected)	124	sand(nutrient content)	274	sediments(water, washover, coastal, subaqueous, river)	221
roughness(wind)	105	sandr	211	seed dispersion	362
rowan	349	sandstone	203	seed-bearing plants	371
rowan(coastal)	71	sandy clay	245	seepage	240; 248; 267
rowan(nutrient-rich peat)	71	sandy loam	245	seepage areas	241
RPD (1966)	321; 322	sandy soil	248	seepage water	238
RPD (1983)	322	sandy soils	190	seepage(phosphate, iron)	406
RPD(1966)	328; 329; 330; 533	Sangster(1987)	519	seepage(polders)	241
RPD(1983)	421; 565	Sao Paulo	217	Segeren and Hengeveld (1984)	297
RPD(1988)	421	satellite connections	296; 297	Segeren and Hengeveld (1991)	
RPD(1996)	421	satellite images	270	290; 291; 293; 294; 297; 301; 302; 303; 304; 305; 307; 308; 310	
rubbish tips	256	Saurian Age	371	Segeren and Hengeveld(1984)	295
Rubion	352	saurians	373	Segeren, Hengeveld (1991)	311
ruderaal	45	saurians(extinction)	371	segmentation(façade(vertical, horizontal))	578
ruderals	323; 362	SBI	391	segmentation(morphological reconstruction)	560
Ruhr area	422	SBI classification	524	selection	418
Ruhr region	288; 298	scale articulation	321	selector	418
Ruinerwolde	228	scale factor	420	selectors	327
rum cherry	350	scale factor(traffic calculation)	426	self-sufficiency	319
Runhaar(1987)	330; 339; 358; 359; 361	scale falsification	540; 565	semantic additional sequence	596
runoff	150	scale paradox	320; 405; 604	semantic Venn diagram	594
runoff coefficients	306	scale parameters	98	semi-public spaces	68
runoff(critical periods)	169	scale range	321	senses	7
runoff(slope)	152	scale sensitive concepts	319	sensitivity(environment)	524
rural	528	scale(architecture, politics, ecology)		sensoric deprivation	417
rural areas(arrangement(wind))	95	scale(confusion)	320	sensoric polarity	561
rural estates	552; 590	scale-articulation	330	sensoric-motoric system	546
Russell	603	Scandinavia	210	separations in space and time	418
Russell (1919)	319	scapu	384	September 23rd	24
Russell(1919)	603	scapu duck	386	service economy	422
RWS	272	scenarios(energy supply)	16	set-theory	594
S+N+S(2001)	530	Schaminee and Jansen(2001)	534	settlements on sandy soils	442
Saalian	374	Schaminee(1996)	358	sewage pressure pipelines	289
safety measures(high voltage transmission lines)	292	Schaminée(1998, 2001)	389; 391	sewage pumping-station	306
sagging	275	Schenk(1999)	424	sewage purification	306
		Schiermonnikoog	456		
		schipbrug	197		
		Schiphol	96; 387		
		Schiphol tunnel	298		
		schizophrenia	417		

sewage systems	307	slope angles	217	soil pollution(chemical composition, phase, soil type)	258
sewer	74	slope movements	218	soil pollution(extraction process)	260
sewerage pipes	289	slope processes	217; 218		
sewerage system	283; 299; 304; 305	slope stability	217	soil pollution(follow-up investigation)	262
sewerage systems	273; 304	slope vegetation	217	soil pollution(industrial sites)	257
Seyp, van de and van Dijk	585	sloped borders	489	soil pollution(industrial sites, petrol stations, garages)	256
shade(tree)	62	slopes(road)	193	soil pollution(inhaling, consuming, drinking)	246
shadow	31; 32	sloping coast	204	soil pollution(intervention values)	258
shadow plan	34	sloten	176	soil pollution(isolation techniques)	262
shadow(trees)	34	slotted flags	74	soil pollution(meta, organic)	260
shadows(length)	33	sluice	186	soil pollution(standards)	257
shallows	224	sluices	185	soil profile	225; 230; 331
Shallows	205	sluices(one way)	179	Soil Protection Act	246
sheep	229	slump	218	Soil Protection Guidelines	249
sheet piling	259	smell	524	soil purification methods	259
shepherd's-purse	360	smog	511	soil purification plant	259
shipping traffic(locs)	185	Snep(2000)	390	soil purification techniques	259
shops	472	snowdrop	70	soil purification(biological)	260
shrub bed(hedges)	88	Snozzi	479	soil purification(micro-organisms)	261
shrub planting	62	SO ₂	506	soil purification(thermal)	260
shrub planting(occasional trees)	62	soap bubble	189	soil quality	246
shrubby	309	social control	68; 417	soil remediability	259
shrubs	52	social differentiation(administration, culture, economy)	563	soil remediation costs	257
shrubs(sun-loving)	63	social diversity	341	soil remediation techniques	258
shrubs(water)	72	social life	598	soil remediation urgency	256
side span	195	social possibilities	596	soil remediation(in situ purification)	259
side-effects of activities	502	socialists	419; 420	soil research strategies	250
sideways	153	societal conditions	497	soil sample analyses	256
sieve analysis	390	soil analysis laboratory	254	soil sampling distribution	253
siliceous sea weeds	380	soil characteristics	266	soil sampling	
silt(207; 244; 331; 384)		soil classification	226	strategies(contamination types)	
silt fraction	247	soil cleaning	246	253	
silty loam	245	Soil Clean-up Guidelines	257	soil spray	360
single-family households	452	soil complex	331	soil structure	331; 356
single-person households	462	soil complex(ecological groups)	330	soil structure(crumb, clod, prismatic, grain, pumiceous, concrete)	237
sinking areas	73	soil composition	252	soil suitability certificate	249
SiO ₂	243	soil composition(survey(pollution))	252	soil suitability maps	272
SiO ₄	243	soil contaminating activities	252	soil survey	252
SiO ₄ -	243	soil creep	217	soil survey report	249
SiO ₄ - tetrahedrons	243	soil formation(drainage, illuviation, eluviation, heterogenisation, homogenisation, conversion, oxidation, reduction, maturing)	237	soil tipping(pollution)	259
site management	304	soil fraction	216	soil types	248
site preparation	264	soil fraction		soil types(mesh(ditches))	190
site preparation check lists	284	identification(vegetation)	244	soil types(naming)	244
site preparation for urban development	273	soil functions(supportive, production, filter, ecosystem)	246	soil types(particle size)	244
site preparation(bearing capacity)		soil horizon differentiation(climate, parent material, slope, groundwater level, weathering)	242	soil unit	220; 331
	282	soil horizons	237	soil unit(cooperation, competition)	330
site preparation(cables and pipes)		soil improvements(urban green areas, gardens)	276	soil use	252
	300	soil load bearing capacity	272	soil vapour	248; 267
site		soil map	266	soil vapour extraction	261
preparation(criteria(destination))		soil maps	220; 268; 272; 351	soil washing	259
	281	soil mechanic surveys	272	soil water	237; 247
site preparation(criteria(drainage))		soil particles(water)	238	soil(ground)	247
	282	soil pollution	242; 246; 524	soil(isolating pollution)	259
site preparation(destination(built-up, vegetation))		soil pollution follow-up investigation	255	soil(isolating the pollution)	259
	281	soil pollution indicative target values	257	soil(natural levee, backmarsh, swamp, flood plain)	225
site preparation(living platforms)	277	soil pollution information	253	soil(open, closed)	73
site preparation(opposing approaches(demand, site potential))		soil pollution sources	252	soil(permeability)	181
	274	soil pollution surveys	249	soil(recovery)	259
siting of plants	68	soil pollution(agriculture and horticulture)	256	soil(settlement, sagging)	275
sitosterol	362	soil pollution(business operation)	257; 258	soil(spray, digged, tressed)	360
sitting area(hedges)	87			soil(survey(conditions, soil composition, geohydrologic setting))	252
situation-conscious urban design					
	278				
skeletons(chalky)	371				
sketch	378; 550; 570; 588				
sky dome	27				
slagen landscape	270				
slagenlandschap	448				
sliding	217				
Slibengewald	228				
slik	448				
slipping	217				
Sloep(1983)	330; 533				

soil(survey(terrestrial, waterbed))	sport and violence	417
251	sports facility	467
soil(sustainability(intervention))	sports fields	284
264	sports fields(site preparation(criteria(drainage)))	282
soil(vibration(heavy traffic))	spot	485
73	sprawl	11
soils of The Netherlands	sprawl(urban)	321
71	spray cans	507
soils(lighter, heavier)	spring(flowering)	70
221	springs	240
solar capacity	spruce	34
25	squares(façade margins)	585
solar cell	squares(through-traffic)	583
13	sr 35	
solar cells	St. Elizabeth flood	444
13	St. Petersburg	582
solar cells(costs)	stability(change)	326
14	Stadholders	444
solar constant	stage in the lifecycle	341
14; 24	staghorn	371
solar energy	Standaardgidsen (?)	213; 218
543	Standaardgidsen (1999)	299; 311
solar energy(slow development)	stand-alone system(sewage)	306
20	stand-alone systems(sewerage)	305
solar images	standardisation	544
34	standing whirl	137
solar power(global)	Staphorst	417
14	startbanen	106
solidification	state of dispersion	321
217; 218	static character(planting)	58
solitaires	static planting	59
69	station stops	426
solitary trees	stationers	472
76	Statistical Pocket Book	451
sound	Statistical Yearbook	451
138	Statistisch Jaarboek	451
sound(impression)	Statistisch Zakboekje	451
142	steam engine	21; 445
sound(intensity)	Stedenland perspective	422
140	Stedenland perspective (VROM 1998)	423
sound(power)	Steegh (1985)	441
140	Steegh(1985)	439; 440; 441; 442; 443; 444
sound(spectrum)	Steekelenburg (2001)	319
143	Steekelenburg(2001)	434
sound(travel speed)	Steenbergen	552; 589
139	Steenbergen(1995)	552; 589
sound(tube)	steering devices	327
139	Stelling van Amsterdam	529
soured forests	stereoscopic vision	409
362	Stevens	162
South Flevoland	STIBOKA	220; 272
386	STIBOKA (1962)	216; 219; 221; 223; 227; 233; 235; 236
South garden	Sticht.Wetensch.Atlas_v.Nederland 226; 236; 241; 242	
33	Sticht.Wetensch.Atlas_v.Nederland (1985)	37; 219
South Limburg(formation)	Sticht.Wetensch.Atlas_v.Nederland (1987)	437
355	Stichting voor Bodemkartering	272
South-Limburg	stocks(energy)	21
448	Stolwijk	405
southwest wind	stone	244
510	storage	
South-Western winds	capacity(electricity(conversion))	22
92	storage tanks	256
spaces(expanding(green))	storage yards	256
74	storage(concentration)	11
spaces(shrinking(red, brown))	storage(underground)	300
74	storage(useful, dead)	168
space-time dilemma(size, distance to residential area)	storeys(number)	490
334		
spalter bog		
235		
span(bridge)		
196		
sparrows		
317		
spatial composition(streetscape)		
74		
Spatial Policy		
527		
spatial use		
475		
specialisation function		
421		
specialisation(regional)		
421; 422		
specialised spaces		
420		
specialising		
394		
specialist species		
438		
specialists		
362		
specialization		
318		
species		
317		
species suppressed by other species		
63		
species supressing other species		
60		
species(choive)		
79		
species(determined beforehand)		
59		
species(extinction)		
16		
species(extinction)		
21		
species(new(evolution))		
365		
species(planting)		
59		
species(rare)		
319		
species(threatened)		
362; 378		
species(urban presence)		
336		
species-specific environment		
497		
specific ecological groups		
361		
specimens(marginal)		
318		
speed(design)		
423		
speed-specialised lines		
426		
Speth(1989)		
534		
Sphagno-Alnion.		
352		
sphagnum bog(young, old)		
233		
spherical m2		
35		
spherical radius		
35		
spindle		
70		
spoonbill		
386		
spoonbills		
384		
spores		
371		
storm		91
Stoutjesdijk(1977)		44
Strahler		152
straight and hard(design tools(planting))		58
strandwal		449
strategies		501
strategies for survival		325; 362
stratification		511
stratification(soil profile)		237
stratosphere		509
stream		431; 448
stream valley		448
streamlands		552; 590
streekdorp		449
street		145; 430
street building		273
street furnishings		309
street furniture		309; 578
street inlets		306
street lighting		273
street patterns		153
street profile()		560
street profile(cables, pipes)		289
street village		441
street(image)		558
street(polarisation)		562
streetlamps		34
streets		560
streets(planting(size))		78
streets(variation)		541
streetscape		74
stress tolerators		323
stress-tolerators		363
stretch		189
stretching		192
Strickler-Manning used		161
string(sound)		140
strip land division		207
Struben, Hein		539
structuralist position		598
structuralizing elements		539
structure(divisions, connections)		561
structure(form, function)		561
structure(legend)		597
structure(nearness, infrastructure)		561
structure(parts, whole)		561
structure(planting)		53
Structure(planting)		57
structure(polarity)		561
Studio PRO		581
study proposal		570
stuwen		166
stuwwal		448
subaqueous deposits		221
Subatlanticum		214
Subboreaal		214
subsidence		207
subsidence by melting ice		212
subsidence maps		272
subterranean water		237
suburbs		341
succession		350; 356; 387
succession of visual effects		59
succession series		388
succession(interrupted)		384
successional series		205
suitability maps		268
sulphate reduction		512
sulphates		258
sulphur dioxide		506
sulphuric acid		506
summer dikes		163
summer time		30

summer(flowering)	70	Tax(1989)	343; 378; 534	Timmermans(2000)	390
summertime	29	Taxandrian	211	tin 258	543
sun	24	taxonomy	365; 373	Tjallingii	317
sun bows	27	taxonomy(plant)	373	Tjallingii(1992)	542
sun(energy contribution(national))	20	taxonomy(species)	391	Tjallingii(1996)	533
		technical conditions	498; 596	TKA	394; 478
sunheight	28; 29; 30	technical ecology	500	TKA(2001)	530
sunlight	24; 543	technique(raw materials(ecology))	567	TLV	523
sunlight(foliage)	68	technique=specialising(District(1km notNeighbourhood(300m)notSu perelement(100mm)))	576	TMK	265
sunlighting	490	technological innovations	414	TNO	272
sunrise	25; 26; 30; 33	tectonics	201	toadstools	365; 380
sunset	25; 26; 30; 33	telephone network	297	tochten	176
superposition	431	telephone network(cables, nodal points)	296	tolerance	318
support base	459	telephone networks	288	tolerance to frustration	417
supposition(tacit)	593	television	297	tolerance(classes)	361
surface area(soil particle)	512	temperature data(wind)	102	tolerance(drawing)	550; 588
surface calculations	491	temperature increase	171; 531	toll system	444
surface sources	510; 511	temperature(wind)	121	toluene	261
surface temperatures	44	temperatures	42	tones(instrument)	143
surface wash	217	tension	541; 557	topografic map(scales)	265
surface water analysis	268	tenures	441	Topografische en Militaire kaart	265
surface(light)	35	Terlouw	151	topographic and military maps	265
surface(part)	488	terp	439	topographic forms	201
surprise	319; 556	terp landscape	449	topographic history	37
survival	323	terp villages	440	topographic maps	268
survival journeys	331	terps	441	topographic military map(1850)	312
survival strategies	331	terraces	211	Topographic Survey	312
survival value	562	terrestrial heat maps	272	topographical maps(coding)	313
survival(chance)	318	territory(hedges)	87	topographical maps(subdivision)	313
survival(tolerance)	318	textile cleaning service	258	toren	195
suspended span	195	textile industry	258	tow-barre canals	446
suspender	195	textural B horizon	226	tower	195
suspension cable	195	texture(planting)	53	towing boats	421
sustainability	318	The Hague	315; 406; 422; 458	town	321; 485; 486
sustainability(future generations)	246	The World commission environment and development (1990)	318	town area	488
sustainable building	535; 538; 541; 543	theatre	467	town edge design(wind)	120
sustainable development	533; 604	thermal soil purification	260	town landscape	485
sustainable technology	535	thermodynamics(laws)	10	town park	485
sweet chestnut	70	Third World(fertility)	416	town quarter	485; 486
sweet vernal-grass	361	tholos	558; 559	town(form(wind))	95
swell water	247	Thomson(1961)	7	town(polarisation(sensoric, motoric))	562
swimming bath	468	thorny bushes	68	townhall	422
swing bridge	195	thread of maximum velocity	210	towns(climate)	404
switching stations	293	three-dimensional pollution models	511	toxicology	519
sycamore	69; 70; 74; 349	three-staged strategy(Duijvestein)	543	trade(diversity)	318; 602
sychronisation	356	threshold values	521; 523	traditional craftsmanship accord	544
symbiosis	331; 361	thriftiness concept	543	tradition-directed	419
symmetric street profile	560	through lounge	562	traffic	524
Synbiosys	388	throughway	430	traffic load	145
synchronisation	362	thrust	195	traffic models	420; 425
synecological classes	356	Thünen(1921)	438	traffic safety(hedges)	86
synecological orders	356	tidal current	204	traffic(noise(calculation))	144
synecological typology	338	tidal flat area	222	trajectory models(air pollution)	510
synecology	323; 325; 388	tidal rivers	225	tram	430
synthetic judgements a priori	594	tidal-flat areas	206	tram tunnels	299
system characteristic functions	562	tidal-flat sand	222	transformer stations	293
system dynamics ecology	325	tides	206	transgression	204
Systemtrialität	320; 604	till 244		transgression coasts	204
tabula rasa	275	time	30; 419	transitional zone	114
tactics	501	time equalization	29	transmission	509
tailoring(morphological reconstruction)	561	time scale	214	transparency(planting)	52; 54
taluds	489	time schedule(public works)	300	transparent wall of trees	77
tanning	258	time utilisation	453	transplanting trees	75; 79
Tanthonf	280	time zone	30	transport	201
tare	486	time(planting)	58	transport system	463
tare surfaces	486; 488	time-segment approach	413	transport underground	298
target communities	339	time-use	420	transportation(high tech(urban capacity))	340
target species	390	timezone	29	transporter bridge	195
target value	521			transverse dune	205
target value(emissions)	521			travel costs	420
task division	426			travel resistance	420; 425
task division(interregional0	426				
Tauern tunnel	298				

travel resistance(distance, commodities)	427	turf	233; 235	urbanisation	417
travel utility function	420	turf reclamation	233	urbanisation alternatives(use of time)	419
travel utility function	420; 424	Twente	446; 448	urbanity	454
travel utility(car, bicycle, train)	425	twining river landscape	156	use of time	419
travel utility(<i>periodic infrastructure</i>)	426	two-dimensional pollution models	511	use(intensity)	317
travelling time	420	T-years discharge	164	use(spatial)	475
travelling times	419	type	550; 588	useful storage	168
treading	438	type(collage)	550; 588	uses(ground, potential)	266
Treaty of Utrecht	444	typology	550; 582; 588	utility companies	465
tree	153	typology(nature)	391	Utrecht	422; 449; 458
tree corridor	74	tyria jacobaeae	361	Utrechtse Heuvelrug	227; 242
tree grille	73	Tzonis(1989)	559	V&W	385
tree layer	62	U.S.-Geological-Survey (1969)	242	V&W(1998)	171; 526; 531
tree layer(occasional shrubs)	62	Uddelermeer	211	V&W(2000)	171; 526; 531
tree like connection	154	Udo de Haes	497	vacant spaces	579
tree pit	73	uitkragende zijoverspanning	195	Vaccinio-Quercion	352
tree planting(shrub margin)	63	Ulmion	352	vacuum	91
tree rhythm	76	ultrasonic	138	vague soil	226
tree rows	76	ultra-violet rays	507	vague soils	226
tree screen	77	ultraviolet sunlight	92	vakwerkboog	195
tree size	75	UN 1992	536	valbrug	198
tree size(price ratio)	75	UN(1992)	533	valley glacier	210
Tree Structure Plan Amsterdam	74	unacceptable risks	521	valuation chart	390
tree trunk(protected)	74	unbuilt surface	489	valuation charts(suppositions)	391
tree wall	77	unbuilt/floor	492	valuation maps	390
tree(asymmetrical crown)	84	uncovered land(cables, pipes)	292	value of natural areas	445
tree(crown raising)	84	underground	430	value(experiencial, practical, functional, future, survival))	562
tree(size classes)	74	underground contamination	261	value(shape, structure, function)	562
trees	52; 274; 309	underground infrastructures	288	value(term(short, medium, long))	562
trees (oxygen)	73	underground installation	292	values(incomparable)	569
trees planted(period)	75	underground networks(information)	309	values(partial, surplus)	390
trees(climatic conditions)	52	underground stations	298	valuing an ecosystem	387
trees(closed screen, wall)	81	underground transport tunnels	299	valuing(Flora, fauna, scale)	377
trees(minimum distances)	75	underground(urban development	288	valuing(rarity, replaceability)	387
trees(planting distances)	75	plans)	288	vandalism	75
trees(row)	82	underpass	195	variation	600
trees(rows)	75	uniformity(planting)	55	variation(freedom of choice)	540
trees(transplanted)	75	unions	330; 356	variation(planting(horizontal, vertical))	53
trees(water)	72	unions(synecological)	356	variation(scale)	540
Treintje	288	unique	377	variation(space, time)	330
trench	430	uniqueness	377	variation(wanted(character, scale))	377
trenches	176	uniqueness'	318	variety(risc-cover for life)	602
trenches(sea)	203	uniqueness(10 000km, 1000km,		vascular disease	417
trendline	452	100km)	377	vascular plants	371
tri 258		unit	377	vault(road(trees))	80
trias economica'	563	universe	200	Vedel(1974)	39; 40; 41
trias politica	563	Universiteit van Utrecht(1987)	38	veenkoloniaal gebied	270
trias urbanica	422; 563	University of Utrecht (1987)	40; 41	veenkoloniën	236
trichloroethylene	261	unpredictability	390	veenontginningslandschap	270
trichloro-phenol	507	unpredictability(management(dever		veenweidegebied	270
triglyphs	559	sity))	545	vegetation analyses	271
trodden land	404	upgrading	534	vegetation area(Middle European, West European)	347
trolley	195	upland bog	235	vegetation maps	272
tropical rain forest	409	upright posture	409	vegetation(Europe(map))	384
tropics	24	upright(design tools(planting))	58	vegetation(site raising(sand))	274
troposphere	509	uranium(environmental costs)	18	velocity	9
trough arch bridge	195	urban biotopes	336	velocity profile	113
truncated river systems	152	urban canal	430	velocity(wind(potential))	96
truncation orders	152	urban centre	527	velocity(wind(probability))	99
trussed arch	195	urban design(health objectives)	342	velocity(wind)	93
tsunami	204	urban design(hygiene)	334	Veluwe	227; 242; 374; 385; 397
tube(sound)	139	urban details(wind)	95	Veluwe-Arnhem-Nijmegen	551; 589
tubifex	380	urban differentiation(administration, culture, economy)	563	Venice	492; 577; 582
tufted duck	384	urban drainage	304	Venn diagram	594
tufted ducks	384	urban environment	455	ventifacts	214
tuiverankerung	195	urban growth	339	ventilation losses(wind)	102
tulip	70	urban highway	430	ventilation(wind velocity)	94
Tummers(1997)	334; 476	urban island	485; 486; 492	Vera(1997)	384
tunnel	299	urban landscapes	565	Verberk(1980)	519
tunnels	288; 298	urban nature	404		
tunnels(calamity, safety)	298	urban outskirts	527		
tunnels(space above)	299	urban sprawl	322; 331		
tunnels(underground, urban areas)	299	urban units	330		

Verheijen	370	Wadden coast	205	waterlevel(lowering)	275
Vermeulen	539	Waddeneilanden	224	waterlevels	531
Vermeulen and Jong(1985)	101	wagen	195	Waterman plan	205
Vermeulen(1983)	97; 117	Wageningen	325	watermanagement	171; 531
Vermeulen(1985)	94	wake area	137	watermanagement policy	171
Vermeulen(1986)	94; 113; 117	wald	228	Watermanagement Policy	531; 664
Verschuren (1993)	258; 263	walking route	430	watermanagement(compartments)	
vertebrates	365; 381	wall	86		172
VER-thema's	535	wall layer	112	waterschappen	172
vertical relief in the façade	579	wall vegetations	360	watersportclub	468
vertical variation(planting)	53	wall(design tools(planting))	57	Waterstaatskaart	286
veto chart	391	wall(trees)	81	water-table classes	239; 248
viaduct	195	walled-in balconies	579	waterway	430; 431
vibration	138	walled-in zone	562	waterway maps	312
vibration time	138	warmtekrachtkoppeling	10	waterways	304
viburnum	70	washover deposits	221	waterways management	286
view	490	waste dumps	256	waterways(urban)	406
Villa Rotonda	558; 559	waste(domestic(glass, paper))	300	watt*jaar/jaar	9
village	321; 485; 486; 528	wastewater discharge pipes	288	wave fronts	327
village forms	438	wastewater purification plants	295	wave length	139
village road	430	wastewater purification		waves(surface, tidal)	204
villas	441	requirements	304	wavy hair-grass	384
VINEX districts(traffic calculation)		wastewater sewerage	306	wavy hair-grass(pleistocene)	348
	425	water	49; 200; 288; 578	ways(density)	153
viscose layer	112	water analyses	268	ways(district)	153
Visscher(1972)	450	water area	489	wear and tear	68
Visser(1986)	122; 124; 126; 127	water balance	208	weather	509
Visser(1987)	133	water board maps	312	weather pattern	510
vista's	552; 590	water board(central government,		weather types	510
visual analysis methods	271	provincial authorities,		weathering	201; 237
visual impacts	524	municipalities)	286	weathering(physical, chemical,	
visual quality plan	541	water boards	285; 464	biogenic)	243
Vlaardingen	279	Water Boards	269	weathering(upward, top-down)	244
vlietveen soil	236	water collection	449	Weeda(1985)	362
vlotbrug	197	water control activities	286	Weeda(2000)	343
VNG	524	water deposits	221; 244	Weeda, Schaminée et al.(2000)534	
VOC	421; 445	water discharge coefficients	306	weekly rhythm	419
VOCs (volatile organic compounds)		water discharge quantities	305	weeping ash(treures)	83
	246	water dock	361	weeping willow	35
Vogel(1970)	51	water flea	382	weeping willow(treuwilg)	83
Vogler(1957)	340	water level fluctuations(polder,		wegdorp	448
voice	140	building purposes)	269	Weibull type	164
voids	583	water level management	385	Weichselian	374
volcanic coast	204	water level regulators	183	weideveen	236
volcanism	201	water management authorities	286	Weilbull probability distribution	98
Volga delta	207	water management map	287	weirs	166; 184
Volksgezondheid en		water management tasks	171	Wely(1993)	406
Milieuhygiëne(1981)	144	water management(lowlands)	171	Westeinderplassen	234
voltage (volt)	292	water on earth	238	Western blocks	35
Voorburg - Leidschendam	107	water pipes	295	Westerwolde	228
Voorden(1979)	28	water pollution	511	West-Friesland	226; 449
Voorden(1990)	137	water production	465	Westhoff	325
Voorhof	280	water reservoirs	167	Westhoff(1969)	330; 338
Vos	405	water retainability	285	Westhoff(1970)	499
VOS emission	535	water storage	167; 285	Westhoff(1975)	356
Vos(1990)	50; 406	water storage(closed, open)	282	Westra(1980)	99
Vos(1993)	536; 599	water supply	172	Wet Bodembescherming	246
Vries(1962)	444	water table(planting)	72	wet connections	428
Vries(1981)	421	water treatment plants	295	wet cross section	161
Vriezenveen	235	water use(person)	305	Wet op de Luchtverontreiniging	260
VROM	253	water velocity(river)	210	wet wood	449
VROM (2001, 2002)	423	water(ecological groups)	360	wetland	49
VROM(1989)	522; 533	water(fishing, drinking, swimming)		Wetenschappelijke Atlas van	
VROM(1998)	422		523	Nederland	202
VROM(2000)	526; 527	water(ground, soil(capillary, swell,		weteringen	176
VROM(2001)	171; 526; 528; 531	adhesion))	247	wetland(ecological groups)	360
VROM/LNV(1987)	520	water(soil, ground)	237	whirls	137
vulnerability charts	520	water's edge	565	white willow(schietwilg)	83
vulnerability maps	272	water's edge villages	440	whitebeam	70; 349
Wa	9; 10	water-catchment areas	295	WHO	342
waaiertuibrug	195	water-control structures	286	wholesalers	472
Waal	157	watercourse	430	wide-angle lens	558
waardeveen	236	watercourse(hedges)	86; 88	wiel	449
wad	106; 222	watercycle(solar power)	14	Wieringa(1983)	96
Wadden	207	waterlevel	161	wijk	449
Wadden area	377	water-level control	286	wild parsnip	366

Wilderbaan	440; 441	wind(velocity(average(year)))	96	Ws	10
Willem I	444	wind(velocity(frequencies))	99	Würm	384
Willem II	444	wind(velocity)	93	Würm Ice Age	214
Willem III	421; 444	wind(wall(permeable))	137	xylene	261
Willerich	440	wind-borne deposits	244	yacht harbour	467
Willeroode	440; 441	Wind-borne sand dunes	448	year average potential wind velocity	
willow	70; 273; 349	window side	562	yearly rhythm	419
willow and poplar forests	352	window(design tools(planting))	57	yellow algae	380
willow(coastal)	71	window-frames	583	yellow corydalis	360
willow(wilg)	83	windtunnel experiment(roughness		yew	69
Wils	580; 581	island)	114	young dunes	214
wind	138	windvelocity(height)	113	young sea clay deposits	214
wind direction	96	winning(energy)	21	young sphagnum bog	233
wind erosion	214	winter (flowering)	70	Young Stone Age	214
wind force	91	winter(temperature)	43	younger young sea clay	214
wind loads	93	with multiple-celled life forms	365	Young-Pleistocene	214
wind potential	18	Wittgenstein	594	youth and group accommodations	
wind shelter(local)	111	Wittgenstein(1919)	594	Zaanstad	457
wind stations	96	Wittgenstein(1953)	594	Zaanstreek	234
wind statistics	95	WLO	389	zanderij	229
wind turbine(power(wind velocity))	93	wolde	228	Zanen(2000)	384
wind turbine(power)	99	Wolman	152	zebra mussel	382
wind turbine(profit)	99	WOLOCAS	425	zebra mussels	384
wind turbines(efficiency)	17	Wolters-Noordhof(1981)	447	Zeeland	206; 207; 386
wind turbines(energy profit)	93	Wolters-Noordhof(1996)	428	Zeeland waters	386
wind turbines(energy profit(rule of		Wolters-Noordhof(2001)	148; 149;	zeil- en surfschool	468
thumb))	100	Wolters-Noordhof(2001))	42; 43	zijoverspanning	195
wind velocities(distribution)	96	wood	228; 449	Zipp(2000)	420; 423
wind velocity	91	wood bog	233; 234	Zodiac	26
wind velocity(average(calculation))	97	wood preserizing	258	Zoest	391
wind velocity(height,lateral)	112	wood/forest	47	Zoest (1998)	317
wind(allotment directions)	128	wooded morass	384	Zoest(1989)	533; 544
wind(central green)	125	wooden piled foundations	304	Zoest(1998)	365
wind(direction(tree shape))	69	woodland planting	60; 69	Zoest(2001)	390
wind(district road trees)	131	woodland planting schemes	58	Zoetermeer	107; 335; 369; 404;
wind(district road)	130	woodland planting(>6m wide)	65	406; 457; 536; 537; 599	
wind(dwelling density)	135	woodland profile	60	Zoetermeer(nature policy)	405
wind(edge green)	125	woodland soils	224	Zoetermeer(rarity policy)	378
wind(edge of town)	109	woodland(open spaces)	60	Zoetermeer(wild plant species)	366
wind(energy contribution(national))	20	woodrush-beech forest	437	zones	524
wind(energy harversting)	17	woods	384	zoning plans	524
wind(forests)	109	Work Group for Urban		Zonneveld(1981)	152; 153; 156;
wind(green areas)	109	Ecology(WLO)	389	158	
wind(high rise at the edge)	125	work groups(bird, butterfly, plant,		zoo	467
wind(highway)	109	toadstool, reptile, mammal, bat)	388	Zuid Holland	206; 207
wind(low rise at the edge)	125	World commission environment and		Zuiderzee	225
wind(new urban area lose or		development(1990)	603	Zuidlaardermeer	211
adjacent)	108	World commission environment and		Zuid-Limburg	232
wind(open green area)	131	development(1990)	533	Zuyder Sea Herring	379
wind(permeable walls)	137	World Health Organization	317	Zwart(2000)	389
wind(planting)	78	world-wide rarity	378	Zweckbegriff	320; 604
wind(railways)	109	worms	380	zweefbrug	195
wind(shrubs)	137	woud	228	zwevend brugdeel	195
wind(solar power)	14	Woud(1998)	445	$\Delta C_p(10)$	126
wind(temperature)	121	woude	228	$\Delta C_p(z)$	133
wind(trees)	130; 135	Woudenberg	228	Δi	113
wind(velocity(average(hour)))	96	wreath seaweed	380	p	126
		Wright effect	579		