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Defining Assisted Landscapes: Toward a Framework for (Human Dependent) Ecological Systems in Spatial Planning / Potpomognuti krajolici: okvir za (o čovjeku ovisne) ekološke sustave u prostornom planiranju

Landscape? Planning? Natural? Nature?

1 *Kowarik I (2005) Wild urban woodlands: towards a conceptualframework. In: Kowarik I, Körner S (eds) Wild urban woodlands: new perspectives for urbanforestry. Springer, Berlin, pp 1–32*

2 *Natural - novel ecosystems paradigm, according to Hallett, L. et al. (2013). Novel Ecosystems: Intervening in the New Ecological World Order. 10.1002/9781118354186.ch3.*

3 *author, according to: Haraway, D. (1991) A Cyborg Manifesto: Science, Technology, and Socialist-Feminism in the Late Twentieth Century. Simians, Cyborgs and Women: The Reinvention of Nature, Routledge, New York, 149-181.*

4 *author, defining criteria for identifying assisted landscapes*

5 *author, definition of assisted landscapes*

6 *author, wheel of landscapes - placement of criteria defined according to (3) Haraway, D. (1991) A Cyborg Manifesto*

7 *author, comparative analysis of projects of various scales, in similar climatic areas as Croatia, that demonstrate multi-agent recovery processes*

izvori

landscape = an area, as perceived by people, whose character is the *result of the action and interaction of natural and/or human factors*.

landscape planning = strong forward-looking action to enhance, restore or create landscapes; attention is focused on the territory as a whole, *without distinguishing between* the urban, peri-urban, rural and natural parts, or between parts that may be regarded as outstanding, everyday or degraded; it is *not limited* to cultural, artificial and natural elements: *the landscape forms a whole* whose constituent parts are considered simultaneously in their interrelations.

krovne definicije

Council of Europe, European Landscape Convention, 2000.

N4: ...
N3: functional greenery
N2: traditional cultural landscape
N1: old wilderness

sagledavanje krajolika kroz ideju četvrte prirode

1

četvrta priroda

N4: new wilderness

potpomognuti krajolici = krajolici koji integriraju ekološke, tehnološke i/ili ljudske sustave kako bi održali, obnovili ili poboljšali ekološko stanje, vizualne kvalitete i/ili društvenu korisnost; uključuje teritorije koji su doživjeli povoljnu, suvremenu, naprednu i/ili poticajnu promjenu pod ljudskim utjecajem.

načela za stvaranje nove prirode - novih ekosustava - novih krajolika

2

threshold

historical ecosystems | hybrid | novel ecosystems | constructed landscapes

prag

kiborzi kao novi sustavi krajolika

dijagramtski prikaz definicija krajolika analiziranih prema kiborškim kriterijima

6

terminological framework

defining the internal logic of assisted landscapes

analysis through diagrammatic drawings

least cyborgian

automated landscape — *Victor M. Sanz*
dysfunctional landscape — *David Tongway*
fabricated landscape — *Deborah W. Dalton*
non-natural landscape — *Catharina Sack*
functional landscape — *Bolliger / Kienas*
machine landscape — *Liam Young*
biophilic landscape — *Edward O. Wilson*
synthetic landscape — *Stanley T. Allen*
human-driven landscape — *Saunders / Hobbs / Margules*
hyper-landscape — *Bianca M. Rinaldi*
transforming landscape — *Michel Desvigne*
rural landscape — *Council of Europe*
artificial landscape — *John B. Jackson*
anthropogenic landscape — *Erle C. Ellis*
future landscape — *Tim T. Franke*
human-dominated landscape — *Helen M. K. O'Neill*
homogeneous landscape — *Lucas A. Garibaldi*
food landscape — *Willemijn Ter Hart-Koopal*
reverse landscape — *Jaime del Val*
disturbed landscape — *David Hladnik*
inverted landscape — *Michel Desvigne*
dominated landscape — *Seyed A. Mansouri*
forested landscape — *FAO classification*
cultural landscape — *Carl O. Sauer*
consuming landscape — *Thomas Zeller*
cyber-landscape — *Anne Cauquelin*
emerging landscape — *Deriu / Kamvasinou*
collaborative landscape — *Karrasch / Werkman*
assisted landscape
augmented landscape — *Smout / Allen*
third landscape — *Gilles Clement*
unidentified landscape — *Naghibi / Faizi / Ekhlassi*
evolving landscape — *Jon Rodiek*

mid cyborgian
most cyborgian
mid cyborgian
least cyborgian

low mutability
mid mutability
high mutability
low kin
mid kin
high kin
strong boundaries
mid boundaries
weak boundaries
low hibridity
mid hibridity
high hibridity
most context-aware
mid context-aware
least context-aware
non-monolithic
mid monolithic
monolithic

developing a typology for their categorization
defining criteria for identifying assisted landscapes

kriteriji za tipološki razvrstaj potpomognutih krajolika

7

načela za definiranje potpomognutog krajolika

3

kriteriji

human — machine
natural — artifical
human — animal
physical — non-physical
cyborg

C1: making kin
C2: ongoing negotiations
C3: context-aware process
C4: boundary breakdowns
C5: techno-organic hybrid
C6: non-monolithic

4

the birth

assisted landscape

E
A
T

5

= landscapes that require deliberate, ongoing integration of ecological processes, technological systems and human management to restore, maintain or enhance their ecological condition, spatial qualities and social utility.

definicija

scapes – an atlas of assisted landscapes – an atlas of assisted landscapes – an atlas of assisted landscapes – an atlas of assisted landscapes – an atlas of assisted landscapes – an atlas of assisted landscapes – an atlas of assisted landscapes – an atl

project code (*author*):

01-02 Lateral office, Salton Sea, US
02-02 crop holes, across EU
03-02 fog catchers, northern coast of Chile
01-04 Philipe Rahm, Taichung, TW
02-04 Junya Ishigami, Tochigi, JP
03-04 Berger&Berger, Venice, IT
04-04 house for lemon tree, Lake Garda, IT
01-06 Andrea Branzi, Agronica, NL
02-06 MVRDV, Pig City, NL
03-06 Lenora Ditzler, Pixel farming, NL
04-06 drains at the Thomson Factory, Guyancourt, FR
05-06 management at Zanderij-Crailo, NL
06-06 Murs à peches, Montreuil, FR
07-06 one infrastructure for one type of vegetation, Bordeaux, FR
08-06 hay garden, Guipúzcoa, ES
09-06 Ducklands, Hamburg, DE
01-08 Climavore, Ciftlik - Tokat, TR
01-09 amid.cero9, Symi island, GR
02-09 organic filter at Monzón, ES
03-09 The Devesa in Girona, ES
04-09 mechanised system of building terraces, Poboleda, ES
05-09 artificial restoration of the Garraf dumpsite, Barcelona, ES
06-09 tree cultivation at the Paraire nursery, Girona, ES
07-09 bioriza nurseries, Girona, ES
08-09 pine tree nurseries, Cuenca, ES
09-09 earthen pools, Continos, Salamanca, ES
10-09 olive tree pruning, El Perello, Tarragona, ES
11-09 Eppur si muove, Rome, IT
12-09 biomass balance in a park, Madrid, ES
13-09 terraces and ditches, Mallorca, ES
01-11 buffer zone, Bwindi, UG

climate:
01 alpine climate
02 desert climate or arid climate
03 humid continental climate
04 humid subtropical climate
05 ice cap climate
06 oceanic climate
07 subarctic climate
08 semi-arid climate
09 mediterranean climate
10 tropical monsoon climate
11 tropical rainforest climate
12 tropical savanna climate
13 tundra climate
14 polar climate

/00 - 00 - X - X

transcoding

scale:
A = architectural
P = planning

status:
R = realized
U = unrealized
N = nn (*architecture without architects*)

climate

project code (*author*)

analizirani primjeri

added elements			/01-02-U-P	/02-02-N-A	/03-02-N-A	/01-04-R-A	/02-04-R-A	/03-04-U-A	/04-04-N-A	/01-06-U-P	/02-06-U-A	/03-06-R-P	/04-06-R-A	/05-06-U-P	/06-06-R-A	/07-06-R-P	/08-06-R-A	/09-06-U-P	/01-08-R-P	/01-09-U-A	/02-09-R-P	/03-09-R-A	/04-09-N-P	/05-09-N-A	/06-09-R-P	/07-09-R-P	/08-09-R-P	/09-09-N-A	/10-09-R-A	/11-09-R-A	/12-09-U-A	/13-09-N-A	/01-11-R-P
abiotic	a+u	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
	art	A	○	○	○	○	A	○	○	○	○	○	○	○	○	○	○	○	○	A	○	A	○	○	○	○	○	○	A	○	○	○
	technology	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	○	T	T	T	T	T	T	T	T	○
biotic	organisms			○	○	○	○		○	○	○		○		○		○		○			○			○		○	○		○	○		○
	animals			○	○	○	○	○	○			○	○	○	○	○	○	○			○	○	○	○	○	○	○	○	○	○	○	○	
	plants			○			○					○							○		○		○										