Landscape policies and landscape education: Serbian experience

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   Faculty of Forestry
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POLICY
European Landscape Convention, Landscape policy

LANDSCAPE PLANNING RESEARCH
Design with nature, sustainability, landscape ecology, holism, aesthetic, genius loci, landscape character assessment, resilience...

EDUCATION
BSc, MSc, PhD... Courses - Landscape architecture studio, landscape character assessment, green infrastructure, ecosystem services, urban pocket
Policies ... from 2010 to 2017

Spatial Plan for the Republic of Serbia

Law on Nature Protection

Rulebook on the criteria for identifying the landscapes and the method of assessing their significant and characteristic features ("Official Gazette of the Republic of Serbia" No. 119/17 of 29.12.2017)

Action Plan for the implementation of the European Landscape Convention

several regional pilot projects proving that the landscape policies create a sustainable framework for all other human activities and that their proper economic valorisation supports the creation of new jobs for local people living in them.
holistic perspective
“landscape ....means an area, as perceived by people, whose character is the result of the action and interaction of natural and/or human factors” (European Landscape Convention, 2000)
landscape character is new value of landscape
2011. Serbia ratified the European Landscape Convention

New concept of landscape planning

Spatial plan of the RS 2020 establishes for the first time:

Protection and development of Landscape:

- concept of landscape as a whole (urban, rural, natural)
- principles: landscape ecology (i.e. landscape connectivity) & landscape aesthetics as a system
- realisation: protection and development of landscape character and visual quality through preservation of landscape pattern (unique spatial distribution of use, relation between open and closed landscape elements ...)

Problem of realisation: new concept in domain of socialisation and cultural reproduction

Solution: green infrastructure, urban pocket, cultural ecosystem services - idea that local interpretation of SPRS can be assumed to be consistent with ideas operating at a higher (national) scale
LANDSCAPE PLANNING RESEARCH

Design with nature, holism, sustainability, landscape ecology, aesthetic, genius loci, landscape character, resilience...
Frederick Law Olmsted (1822-1903)
Central Park in New York (1858)
Ian McHarg (1920-2001)
1. Design with Nature (Garden City, N.Y.: Natural History Press, 1969) led to fundamental changes in the teaching and practice of landscape architecture.
layer-cake method
In “Plan for the Valleys,” McHarg stated the credo that would guide Landscape Architecture work:

- The area is beautiful and vulnerable;
- development is inevitable and must be accommodated;
- uncontrolled growth is inevitably destructive;
- development must conform to regional goals;
- observance of conservation principles can prevent destruction and ensure enhancement;
- the area can absorb all prospective growth without despoliation;
- planned growth is more desirable and as profitable as uncontrolled growth;
- public and private powers can be joined in partnership in a process to realise the plan.
McHarg Overlay method GIS

- Watersheds
- Slope
- Soils
- Land Use
- Animal Loading
- Agricultural Pollution Potential
Landscape is not green ...
Landscape is the whole environment in which we live

Carl Steinitz (1937-)
Carl Steinitz
Alexander and Victoria Wiley Research Professor Of Landscape Architecture and Planning Graduate School of Design Harvard University

"Everyone designs who devises courses of action aimed at changing existing situations into preferred ones"  
*Herbert Simon*

"Many devices which work on a small scale do not work on a large scale"  
*Galileo*

Sustainable planning at the landscape scale
1. How should the landscape be described?

2. How does the landscape operate?

3. Is the current landscape working well?

4. How might the landscape be altered?

5. What predictable differences might the changes cause?

6. How should the landscape be changed?

DATA

INFORMATION

CULTURAL KNOWLEDGE

REPRESENTATION MODELS

PROCESS MODELS

EVALUATION MODELS

CHANGE MODELS

IMPACT MODELS

DECISION MODELS

SPECIFY METHOD

CHANGE SCALE

IMPLEMENTATION

PERFORM STUDY

TIME+
THE TOOL MAKER

JACK DANGERMOND BUILT A TECH COLossus. AND A FORTUNE. NOW HE'S SHARING IT ALL TO SAVE THE WORLD.

BY JOSHUA LIM

NOW YOU'RE a TECHNIQUE whiz. TO SAVE THE WORLD...

JACK DANGERMOND WORE OVERSIZED TORTOISE-SHELL V-NECKS. AT 75, HIS HAIRLINE HAS REEDED HALFWAY BACK ON HIS HEAD. FOR WORK, HE DRESSES CASUALLY—OPEN COLLAR, V-NECK AND SWEATER. WHEN SHED IS GRAIN AND SEAMLESS, BUT CALM AND NOTORIOUSLY CONFIDENT. HE TENDS TO SPEAK AS IF SPONTANEOUS DRAFT WASH HE DEDICATES TO YEARS.

THE TOOL MAKER

UP DATING CORRESPONDENCE. HE IS TALL, RANGE. BUT IT'S QUITE possible that when he arrived at the harvard Graduate School of Design (GSD) in 1977 to earn an MLA, he would have been thrown for a loop. His interior design in going there. At the GSD, was to start playing with computer harnessed when computer harnessed barely existed.
EDUCATION

BSc, MSc, PhD, Landscape Architecture studio,
Faculty of Forestry DLA
Landscape character, planning on different scale
Green infrastructure
Urban pockets
University education / courses

1. University of Belgrade, Faculty of Forestry - Department of Landscape Architecture and Horticulture - Study Programme Landscape Architecture
2. University of Belgrade, Faculty of Geography, Department of Spatial Planning
3. University of Belgrade, Faculty of Architecture
4. University of Novi Sad, Faculty of Agriculture - Department of fruit growing, viticulture, horticulture and landscape architecture
Landscape character

...a distinct, recognisable and consistent pattern of landscape elements that makes one landscape different from another, rather than better or worse.

...different character means different type of landscapes that becomes the basis of planning, management and protection of the landscape.

Wascher and Jongman in press; after Krause and Klöppel 1996)
SUBJECT AREAS

Cultural Landscape
Infrastructure Projects
Landscape Management

History and Conservation
Theory and Methodology
Landscape Design

Landscape Planning
Urban Open Spaces
Vegetation and Plant Material

Landscape Perception and Landscape Values
Analysis of Cultural Landscape Patterns and Elements
Landscape Perception and Landscape Values
Historical and Modern Landscape Elements

Knowledge Skills Understanding
Exclusion of the Cultural Landscape
Historical and Modern Landscape Elements
Landscape Perception and Landscape Values
Analysis of Cultural Landscape Patterns and Elements

Central theme: Landscape Perception and Landscape Values

Conservation and Development of Cultural Landscapes through Planning and Management

Landscape Perception and Landscape Values
Analysis of Cultural Landscape Patterns and Elements

Central theme: Landscape Perception and Landscape Values
Грета Гликсман & Љубица Стевановић студенти мастер студија
Наташа Петковић & Јелена Стојановић, студенти мастер студија
GREEN INFRASTRUCTURE

AS A CONCEPT OF SUSTAINABLE DEVELOPMENT of URBAN LANDSCAPE
Ahern’s *novel urban landscapes* is based on the resilience thinking and principles: multifunctionality, modularity, diversity, connectivity, adaptability.
Снежана Кецман,
мастер пејзажне архитектуре
Момир Крч & Милица Милосављевић, студенти мастер студија
LANDSCAPE PLANNING
Theory and methodology,
Published by University of Belgrade
2018.
Following the basic principles of the European Landscape Convention, the Project “Belgrade’s Urban Pockets” considered small urban areas, taking into account the landscape character, their protection and enhancement with active participation of local communities.
The project identified and mapped potential “urban pocket” places, which after involved looking at, listening to, and questioning the people who live, work and play in a particular space, in order to discover theirs needs and aspirations. This information is further used to create a common vision for that place.
**OVO JE BEOGRAD**

**Urbani džep**
prostor malih dimenzija sa velikom upotrebom i ekološkom vrednošću. Danas su to napuštene parcele u bloku i atrijumi u okviru stambenih blokova, prostori ispod mostova, napuštena građevinska zemljišta, divlje deponije......
Model urbanog džepa

Lokalna zajednica

Grad Beograd

Pejzažna arhitektura

Kako aktivirati urbane džepove?

Vama treba:

- humaniji prostor za život,
- bez buke i zagajenja,
- mesto za odmor, druženje,
- igru dece...

Mi za vas:

- kreiramo prostor prilagođen vašim potrebama,
- stvaramo nove mogućnosti,
- "otkrivamo" održivi razvoj.

Na kraju....

- živite u
  - ekološki kvalitetnijoj
  - sredini gde možete da se
  - sklonite od vrele
  - gradske klime...
- ekonomski vrednijem
  - okruženju, Žiža će
de vremenom rasti.

Urban pocket
Sustainability is not a scenario with green technologies ... this is the way in which landscape architects live and work

Sustaining Beauty/ies, Elizabeth Meyer
Thanks for your attention