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Doctoral Programme

Doctoral Programme in Architecture and Urban Planning

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Criteria for Planning and Designing Temporary Architecture of Tourist Accommodation / Kriteriji planiranja i projektiranja privremene arhitekture turističkoga smještaja

Introduction
Temporary architecture of tourist accommodation is the architecture of portable small tourist accommodation units that are easily erected and not permanently connected to the ground. It is easy to erect, dismantle and relocate.

Research problem
It is considered a temporary solution and is poorly covered in the literature. Planning and design are often neglected and endanger the landscape.

Objective
To determine whether temporary architecture of tourist accommodation is more favorable than permanent for the sustainable development of tourism.
To determine the criteria and models for planning and designing temporary architecture of tourist accommodation.

Hypotheses
Temporary architecture of tourist accommodation:
• is more adaptable to changing tourism trends than permanent
• leaves a smaller **architectural footprint*** than permanent architecture
• planned in accordance with the landscape, promotes sustainable tourism development
• designed adaptively to the context, promotes tourist attractiveness

* *Permanent qualitative and quantitative change in space caused by architectural intervention* – the definition was coined for the research.

Method
• analysis, comparison and classification of findings, guidelines and recommendations on planning and designing from the literature
• comparison of the architectural footprint and adaptability of permanent and temporary architecture of tourist accommodation based on literature and examples
• determination of indicators for planning and designing temporary architecture of tourist accommodation based on the synthesis of data from the literature
• evaluation of selected examples based on the established indicators using measurement, comparison and survey methods
• determination of criteria and models for planning and designing temporary architecture of tourist accommodation based on evaluation

Expected results
To establish that temporary architecture is more adaptable and leaves a smaller architectural footprint than permanent.
To develop an evaluation system and model for sustainable planning and design of temporary architecture of tourist accommodation with measurable criteria.

Contribution
Architectural and structural classification of temporary architecture of tourist accommodation units (canvas, hybrid and solid units).

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Lucivero, M. (2012) *Camping and Open-Air Tourism: An Opportunity for Sustainable Tourism in Coastal Areas*. Barcelona, International Forum on Urbanism Escola Técnica Superior d'Arquitectura de Barcelona
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Uvod
Privremena arhitektura turističkoga smještaja je arhitektura prenosivih malih jedinica za turistički smještaj koje se lako postavljaju i nisu trajno povezane s tlom. Jednostavna je za postavljanje, uklanjanje i premještanje.

Istraživački problem
Smatra se privremenim rješenjem pa je slabo obrađena u literaturi. Planiranje i projektiranje često je zanemareno i ugrožava krajolik.

Cilj
Ustanoviti je li privremena arhitektura turističkoga smještaja povoljnija od trajne za održivi razvoj turizma. Odrediti kriterije i modele planiranja i projektiranja privremene arhitekture turističkoga smještaja.

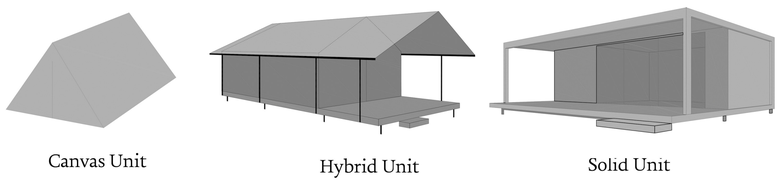
Hipoteze
Privremena arhitektura turističkoga smještaja:
• prilagodljivija je promjenjivim turističkim trendovima od trajne
• ostavlja manji arhitektonski otisak* od trajne arhitekture
• planirana u skladu s krajolikom, unapređuje održivi razvoj turizma
• projektirana prilagodljivo kontekstu, unapređuje turističku atraktivnost

* *Trajna kvalitativna i kvantitativna promjena u prostoru uzrokovana arhitektonskom intervencijom* – definicija je skovana za istraživanje.

Metoda
• analiza, usporedba i klasifikacija saznanja, smjernica i preporuka o planiranju i projektiranju iz literature
• usporedba arhitektonskog otiska i prilagodljivosti trajne i privremene arhitekture turističkoga smještaja na temelju literature i primjera
• utvrđivanje pokazatelja za planiranje i projektiranje privremene arhitekture turističkoga smještaja temeljem sinteze podataka iz literature
• evaluacija odabranih primjera na temelju utvrđenih pokazatelja metodama mjerenja, usporedbe i ankete
• utvrđivanje kriterija i modela za planiranje i projektiranje privremene arhitekture turističkoga smještaja temeljem evaluacije

Očekivani rezultati
Ustanoviti da je privremena arhitektura prilagodljivija i ostavlja manji arhitektonski otisak od trajne.
Razviti sustava evaluacije i modela održivog planiranja i projektiranja privremene arhitekture turističkoga smještaja s mjerljivim kriterijima.

Doprinos
Arhitektonsko - konstruktivna klasifikacija jedinica privremene arhitekture turističkoga smještaja (platnene, hibridne i čvrste jedinice).


Canvas Unit | Hybrid Unit | Solid Unit

Vreš, G. and Demšar Vreš, T. (2016) *Garden Village Bled Glamping as an Innovative Revitalization of Degraded Landscape.* AR. Arhitektura, raziskave, 15(2), pp. 40-47.
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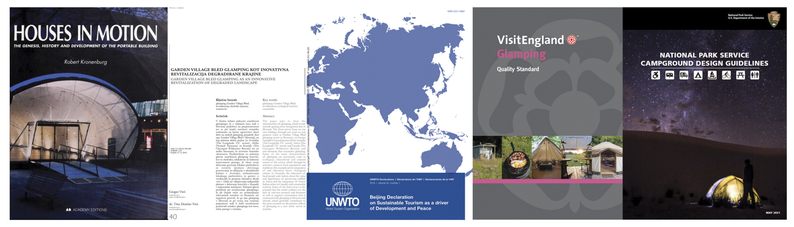
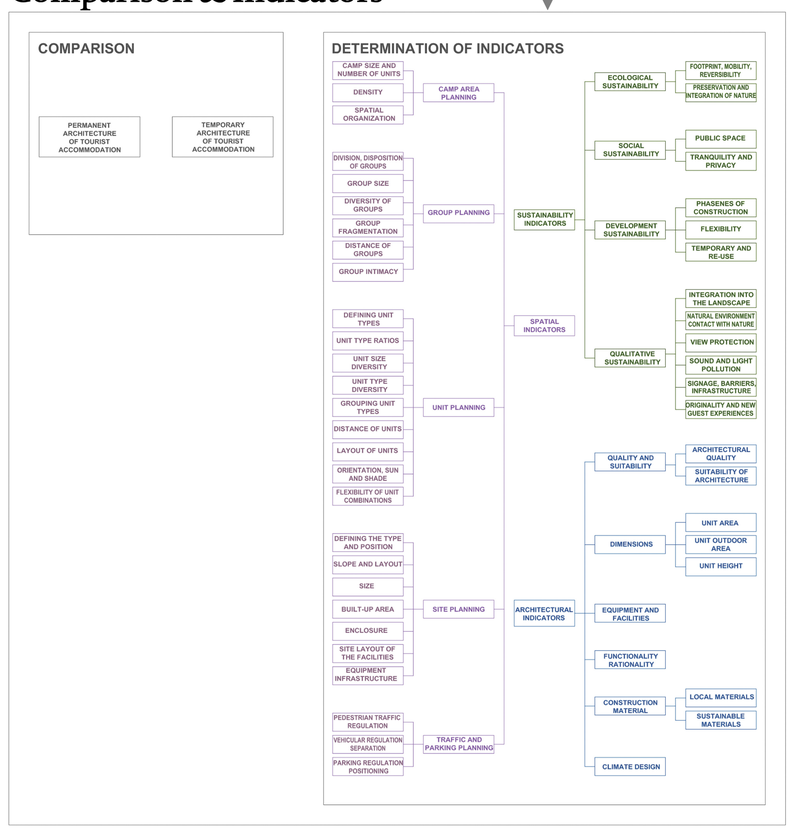
VisitEngland (2023), *Glamping Quality Standard*
National Park Service, U.S. Department of the Interior (2021) *Campground Design Guidelines*
The United Nations World Tourism Organization (1998) *Guide for Local Authorities on Developing Sustainable Tourism*
Baud-Bovy, M. and Lawson, F. (1998) *Tourism & Recreation, Handbook of Planning and Design Architectural Press, Oxford*

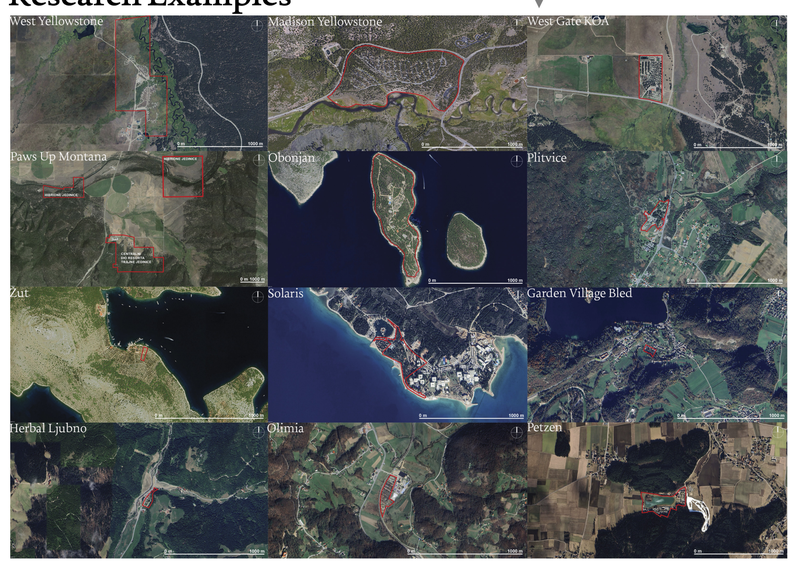
Temporary Architecture of Tourist Accommodation

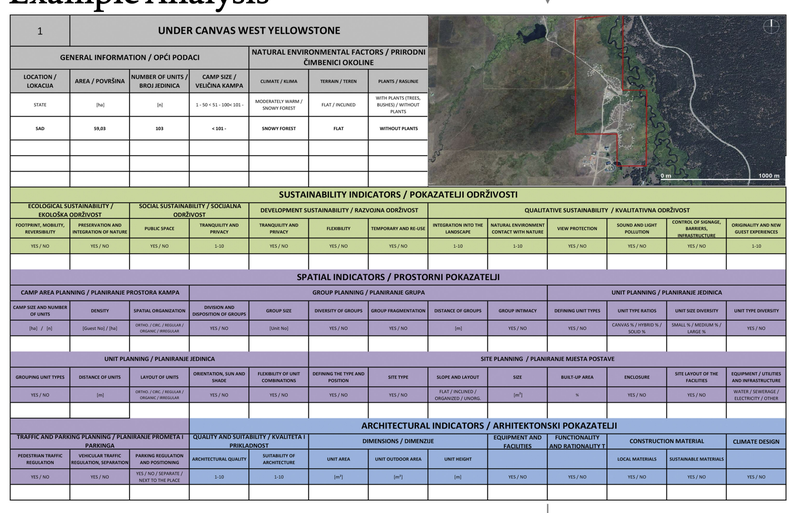
Plitvice Holiday Resort

Under Canvas West Yellowstone

Literature


Comparison & Indicators


Research Examples


Example Analysis

1 — UNDER CANVAS WEST YELLOWSTONE

GENERAL INFORMATION / OPĆI PODACI

LOCATION / LOKACIJA	AREA / POVRŠINA	NUMBER OF UNITS / BROJ JEDINICA	CAMP SIZE / VELIČINA KAMPA
STATE	[ha]	[n]	1 - 50 • 51 - 100• 101 -
SAD	59,03	103	• 101 -

NATURAL ENVIRONMENTAL FACTORS / PRIRODNI ČIMBENICI OKOLINE

CLIMATE / KLIMA	TERRAIN / TEREN	PLANTS / RASLINJE
MODERATELY WARM / SNOWY FOREST	FLAT / INCLINED	WITH PLANTS (TREES, BUSHES) / WITHOUT PLANTS
SNOWY FOREST	FLAT	WITHOUT PLANTS

SUSTAINABILITY INDICATORS / POKAZATELJI ODRŽIVOSTI

ECOLOGICAL SUSTAINABILITY / EKOLOŠKA ODRŽIVOST		SOCIAL SUSTAINABILITY / SOCIJALNA ODRŽIVOST		DEVELOPMENT SUSTAINABILITY / RAZVOJNA ODRŽIVOST			QUALITATIVE SUSTAINABILITY / KVALITATIVNA ODRŽIVOST				
FOOTPRINT, MOBILITY, REVERSIBILITY	PRESERVATION AND INTEGRATION OF NATURE	PUBLIC SPACE	TRANQUILITY AND PRIVACY	TRANQUILITY AND PRIVACY	FLEXIBILITY	TEMPORARY AND RE-USE	INTEGRATION INTO THE LANDSCAPE	NATURAL ENVIRONMENT CONTACT WITH NATURE	VIEW PROTECTION	SOUND AND LIGHT POLLUTION	CONTROL OF SIGNAGE, BARRIERS, INFRASTRUCTURE	ORIGINALITY AND NEW GUEST EXPERIENCES
YES / NO	YES / NO	YES / NO	1-10	YES / NO	YES / NO	YES / NO	1-10	1-10	YES / NO	YES / NO	YES / NO	1-10

SPATIAL INDICATORS / PROSTORNI POKAZATELJI

CAMP AREA PLANNING / PLANIRANJE PROSTORA KAMPA		GROUP PLANNING / PLANIRANJE GRUPA					UNIT PLANNING / PLANIRANJE JEDNICA			
CAMP SIZE AND NUMBER OF UNITS	DENSITY	SPATIAL ORGANIZATION	DIVISION AND DISPOSITION OF GROUPS	GROUP SIZE	DIVERSITY OF GROUPS	GROUP FRAGMENTATION	DISTANCE OF GROUPS	GROUP INTIMACY	DEFINING UNIT TYPES	UNIT TYPE RATIOS	UNIT SIZE DIVERSITY	UNIT TYPE DIVERSITY
[ha] / [n]	[Guest No] / [ha]	ORTHO. / ORC. / REGULAR / ORGANIC / IRREGULAR	YES / NO	[Unit No]	YES / NO	YES / NO	[m]	YES / NO	YES / NO	CANVAS % / HYBRID % / SOLID %	[SMALL % / MEDIUM % / LARGE %	YES / NO

UNIT PLANNING / PLANIRANJE JEDINICA			SITE PLANNING / PLANIRANJE MJESTA POSTAVE							
GROUPING UNIT TYPES	DISTANCE OF UNITS	LAYOUT OF UNITS	ORIENTATION, SUN AND SHADE	FLEXIBILITY OF UNIT COMBINATIONS	DEFINING THE TYPE AND POSITION	SITE TYPE	SLOPE AND LAYOUT	SIZE	BUILT-UP AREA	ENCLOSURE	SITE LAYOUT OF THE FACILITIES	EQUIPMENT / UTILITIES AND INFRASTRUCTURE
YES / NO	[m]	ORTHO. / ORC. / REGULAR / ORGANIC / IRREGULAR	YES / NO	YES / NO	YES / NO	YES / NO	FLAT / INCLINED / ORGANIZED / UNORG.	[m^2]	%	YES / NO	YES / NO	WATER / SEWERAGE / ELECTRICITY / OTHER

ARCHITECTURAL INDICATORS / ARHITEKTONSKI POKAZATELJI

TRAFFIC AND PARKING PLANNING / PLANIRANJE PROMETA I PARKINGA			QUALITY AND SUITABILITY / KVALITETA I PRIKLADNOST		DIMENSIONS / DIMENZIJE			EQUIPMENT AND FACILITIES	FUNCTIONALITY AND RATIONALITY	CONSTRUCTION MATERIAL		CLIMATE DESIGN
PEDESTRIAN TRAFFIC REGULATION	VEHICULAR TRAFFIC REGULATION, SEPARATION	PARKING REGULATION AND POSITIONING	ARCHITECTURAL QUALITY	SUITABILITY OF ARCHITECTURE	UNIT AREA	UNIT OUTDOOR AREA	UNIT HEIGHT			LOCAL MATERIALS	SUSTAINABLE MATERIALS	
YES / NO	YES / NO	YES / NO / SEPARATE / NEXT TO THE PLACE	1-10	1-10	[m^2]	[m^2]	[m]	YES / NO	YES / NO	YES / NO	YES / NO	YES / NO

Results
CRITERIA AND MODELS FOR PLANNING AND DESIGNING TEMPORARY ARCHITECTURE OF TOURISM ACCOMMODATION