



Baltic Sea Region
Programme 2007-2013

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Energy Efficiency and Integrated Urban Development The Example of Jelgava

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1. IUDC Concept in Jelgava

- 1.1 Methodology

Local level planning documents

Long term –

Development Strategy 2007 – 2020 for Jelgava City

Spatial plan 2009 – 2021

Medium term –

Document of development of Jelgava City –

Integrated development programm 2007 – 2013 , including

Investment plan for 2007 – 2013.

IUDC Concept in Jelgava

Content of IUDC

1. Characterization of existing situation;

3. Kvartāls starp Lielo ielu, J.Čakstes ielu, Ūdens ielu, Akadēmijas ielu				
	Mērv.	daudz	%	Piezīmes
1. Platība	m ²	45030		
2. Iedz. skaits	gb	790		Aptuvenais skaits (dzīvokļu skaitsx3)
bērni				
pensionāri				
3. Funkcijas				
Dzīvojamās ēkas	gb	5		Aptuveni %
Darījumu obj.		2		
Apkalpes obj.				
Izglītības iest.		1		LLU Tehniskā fakultāte
Transporta infrastr. obj.				
4. Kustības organizācija				
Piekļūšana	sk	6		Akadēmijas (2), Ūdens (2) ielām, J.Čakstes bulvāra (2)
Caurbraukšana				Nav
Autostāvvietas				Ir
Gājēju plūsmas				Kustība ir aktīva, bet caurplūsmas nav
Auto un gājēju plūsmas nodalījums				Ir
5. Apbūve				
Perimetrālā apb.	Ir			
Brīvstāvošās ēkas	Ir			
Arhitektoniskie stili				Dažādos laikos celtas ēkas, kā dominante izcelas atjaunotais Svētās Trīsvienības baznīcas tornis (baznīca celta 1574. – 1625. g.)
Stāvu skaits				2, 3, 4
Stilistiskā vienotība				Stilistiskas vienotības nav, jo ēkas celtas dažādos laikos un stilos
Fasāžu kvalitāte				Ir/nav, komentāri
Apdares materiāli, krāsojums				Apdares materiāli, krāsojums
6. Kvartāla savdabība				
Īpašās iezīmes				Teritorijā atrodas kultūrvēsturisks objekts – Svētās Trīsvienības baznīcas tornis, J.Čakstes piemineklis
Dominējošā krāsa				Gaiši brūna, sarkanīgi brūna, balta
7. Drošība				
Saprotams plānojums				Dalēji saprotams, jo nav skaidri nolasāmi gājēju iekļaušanas virzieni kvartāla ietvaros
Pārskatāmība				Dalēja, jo kvartālā ir gan blīva apbūve, gan brīvas zonas
Apgaismojums				Ir, bet nepietiekams
8. Labiekārtojums				
Apstādījumi				Ir, labā stāvoklī, vienmēr sakopti
Bērnu rotaļu lauk.				Nav
Atpūtas vietas				Ir
Gājēju ietves				Ir

IUDC Concept in Jelgava

Content of IUDC

1. Vision of development;
2. Solutions of IUD:
 - structure of town planning;
 - visual image and identity;
 - functional classification;
 - public area;
 - transport infrastructure;
 - energy efficiency;
 - quality of inner yards;
 - psychological and physical safety;
 - recreation structure
4. Priorities, action courses and challenges.

IUDC Concept in Jelgava

Process and participation

- For elaboration of IUDC and EER are used materials of 76 multi-story apartment buildings energy audits and technical inspection



IUDC Concept in Jelgava

1.2 Process and participation

- Meetings with inhabitants;
- Brain Storm of City planners and Architects 12.11.2011
- Research work with students of LAU



1.3 Bottom up or top down ?

- IUDC is in compliance with Jelgava City Spatial plan

2. Urban vision and development goals

- **2.1 Core principles of development
(what role for energy efficiency?)**

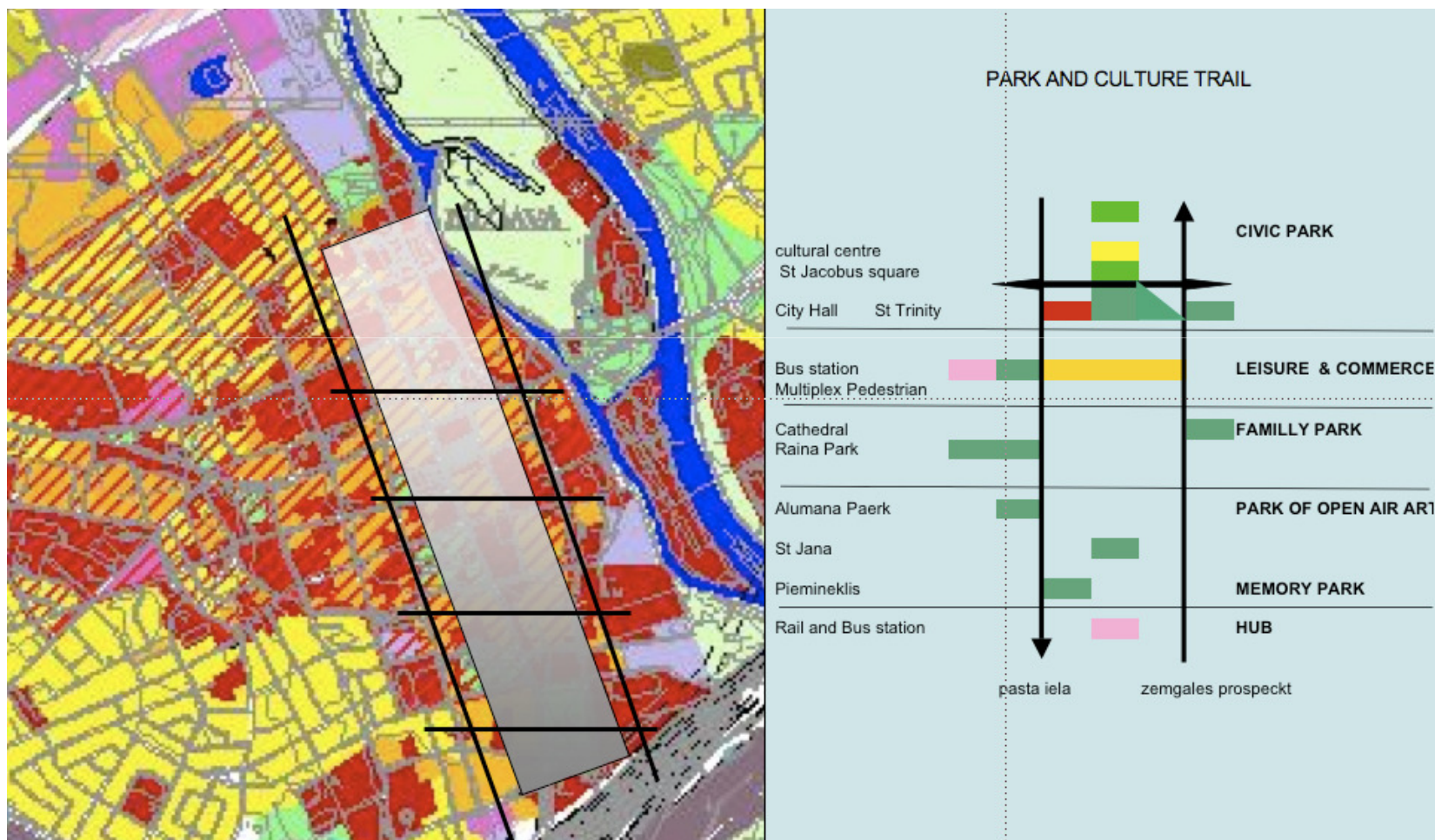
The main idea of integrated development - establish an attractive and qualitative environment which creates the feeling of belonging to the city of Jelgava and makes proud of one's hometown

- improvement of life quality, which includes perfection of building's physical qualities;
- improvement of inner yards;
- inclusion of human scale details in building facades and exterior elements;
- improvement of dwelling houses energy efficiency;
- enhancement of visual quality of dwelling houses.

Urban vision and development goals

- **2.3 Details on energy efficiency and funding of EE**
 - information and education of residents about energy efficiency issues
 - improvement of dwelling houses energy efficiency;
 - enhancement of visual quality of dwelling houses.

3. IUDC on neighbourhood level – core action fields



4. Summary evaluation of IUDC approach in Jelgava

- Transfer of bus station next to railway station, decreasing transit stream in the centre area;
- Arrangement of inner yards with municipal financial ;
- Establishment of multi –storey and underground parking lots
- **Challenges and shortcomings**
 - Improvement of public
 - Educational of residents
 - Rise of energy efficiency in multi-storey apartment buildings
- **Transferability of solutions**
 - IUDC will be included in long and medium term city planning documents

- **Thank you for information!**