



Integrated Urban Development and Energy Efficiency

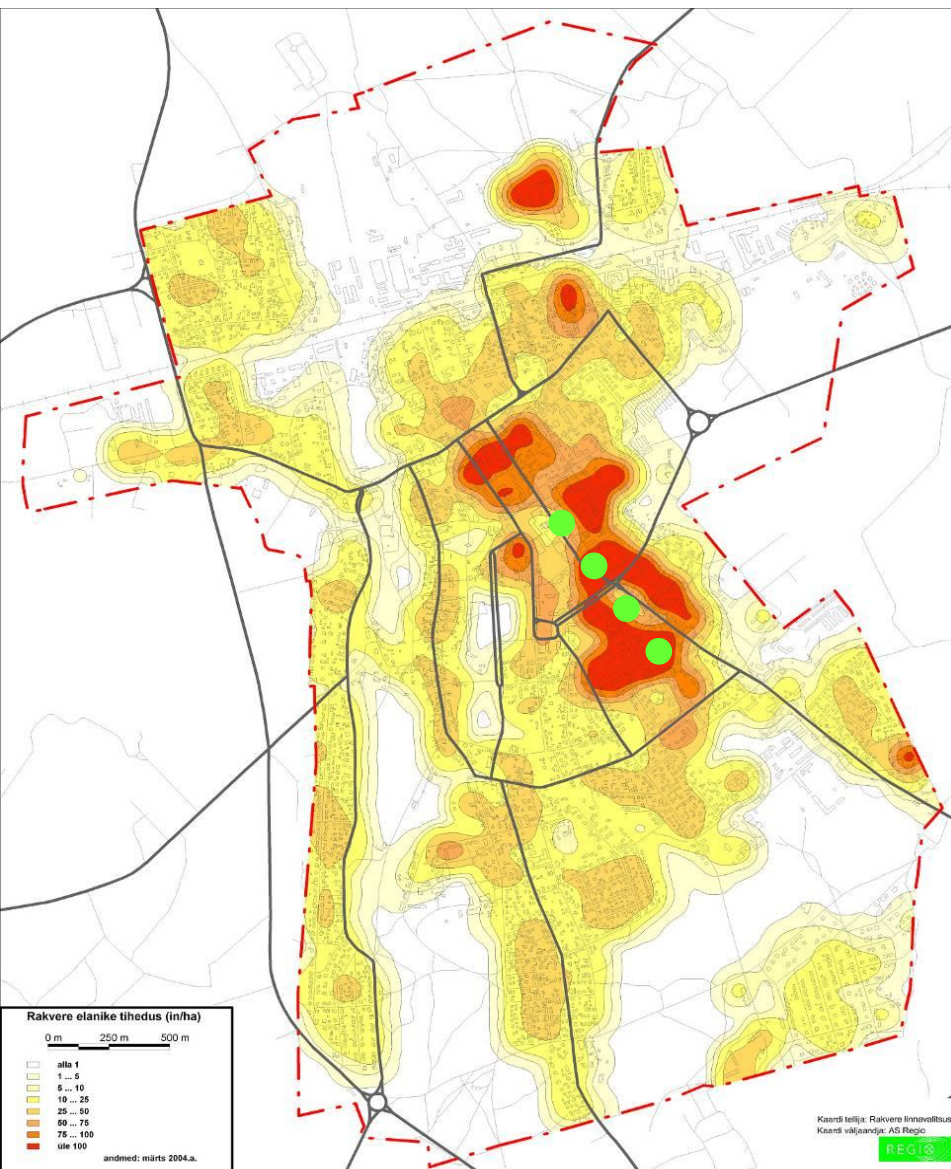
Project example Rakvere

Raul Järg

City Government of Rakvere

2nd December 2011 - Final Conference and Workshop in Riga





- ✓ most densely populated area
- ✓ 18 apartment buildings
- ✓ 8 different types of buildings
- ✓ ~800 inhabitants
- ✓ area 1,8 km²







Process

Assessment of the existing apartment building types and evaluation of energy saving possibilities was conducted

Energy audits of the apartment buildings were conducted

Survey of the residents satisfaction, opportunities and needs was conducted

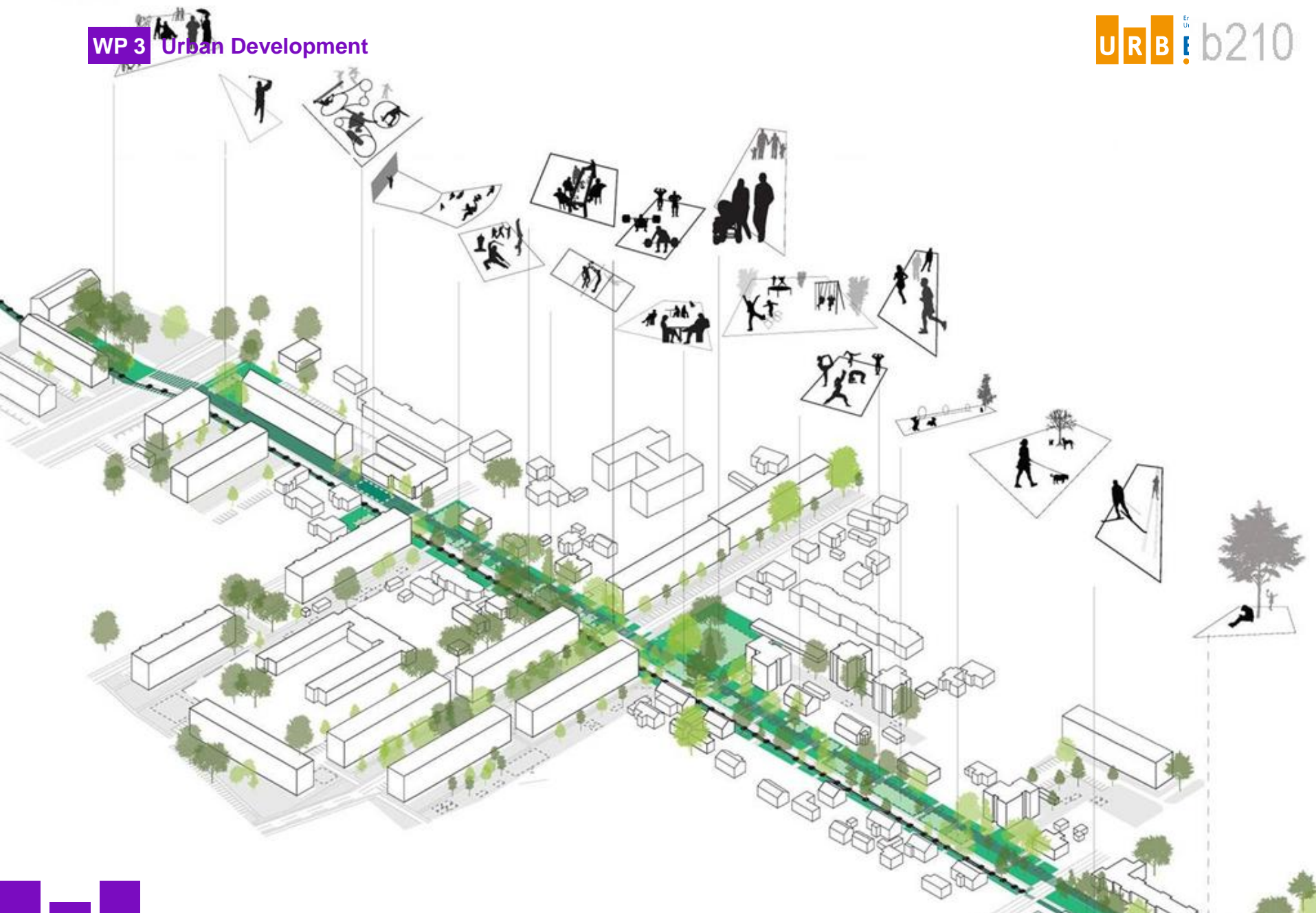
An architectural ideas competition was held to renew the area and renovate the apartment buildings

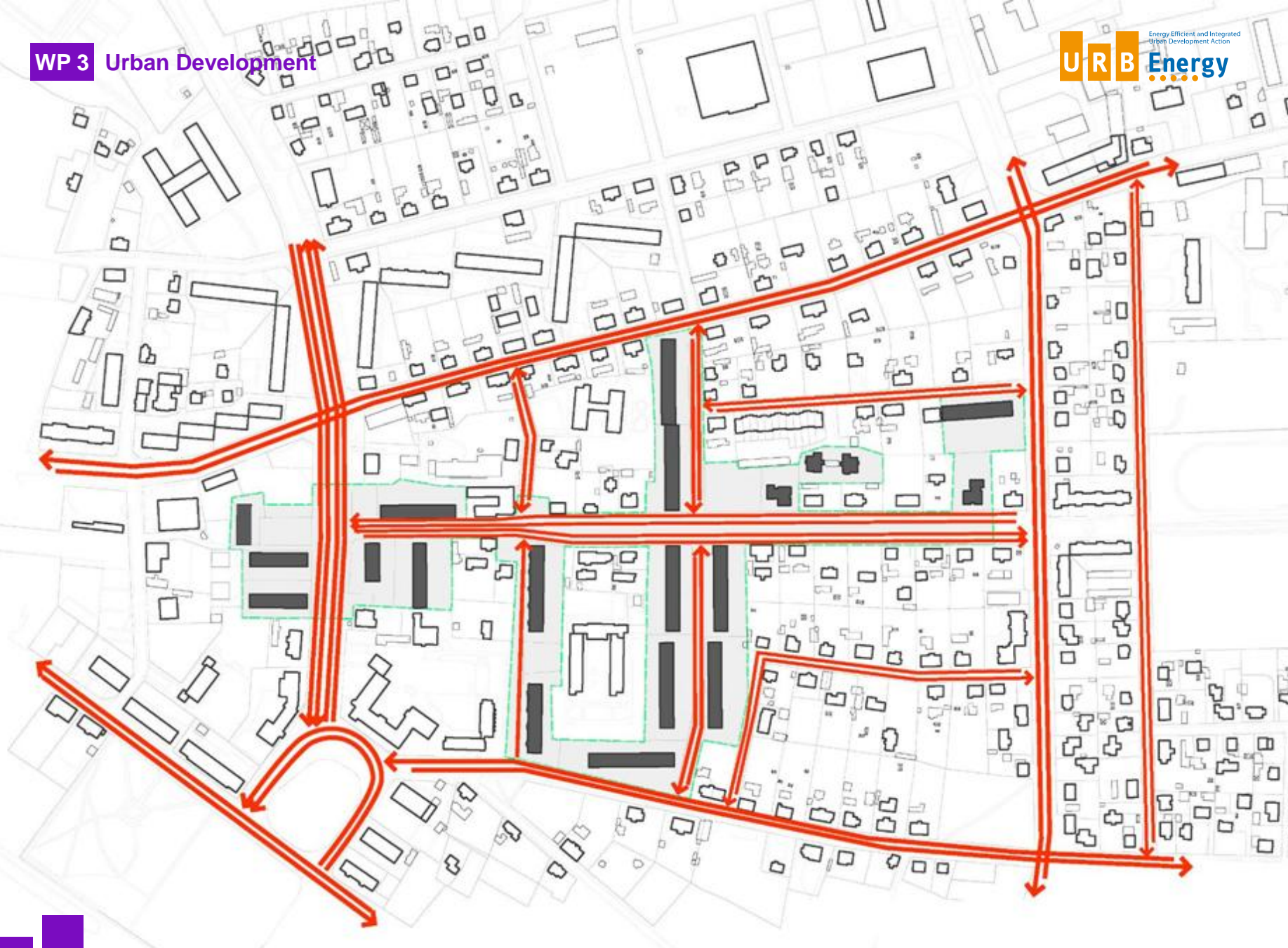
Preliminari design projects were completed for renovation of each type of apartment buildings

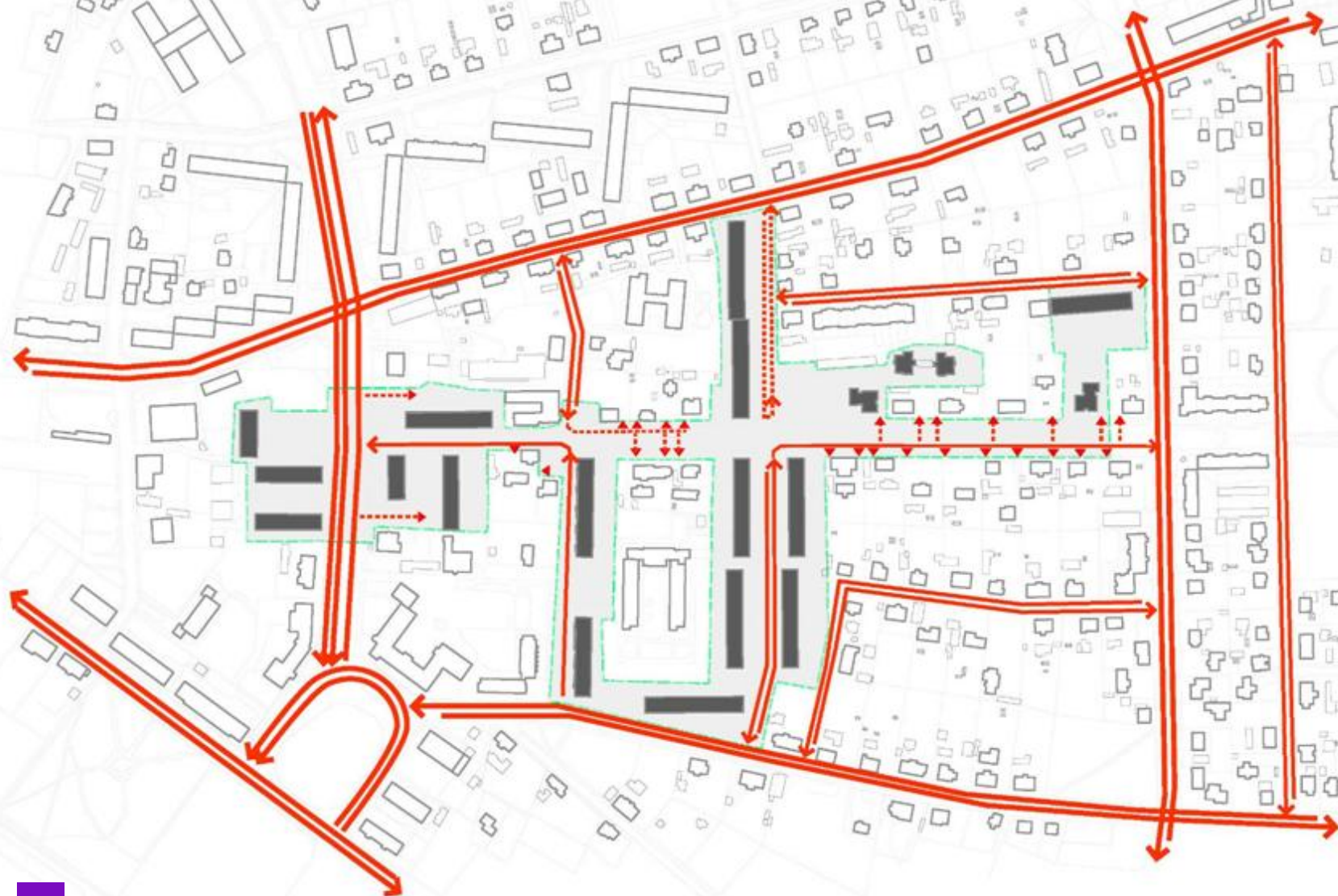














Existing situation



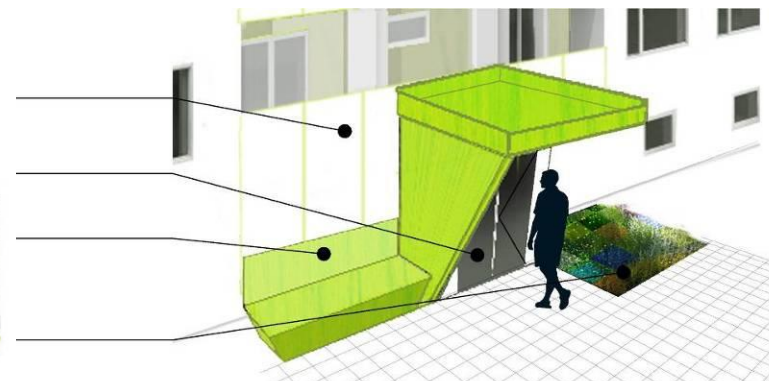




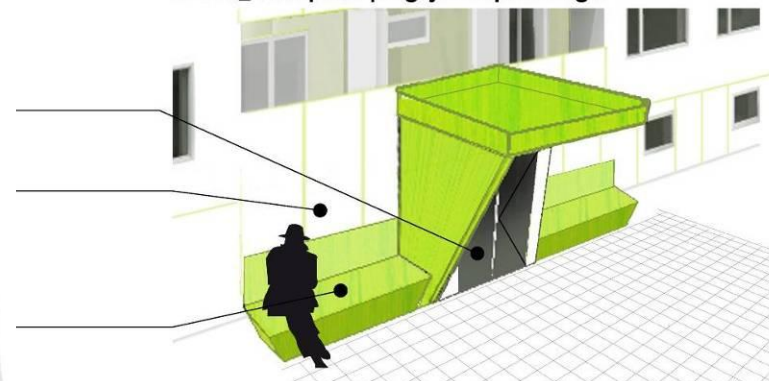
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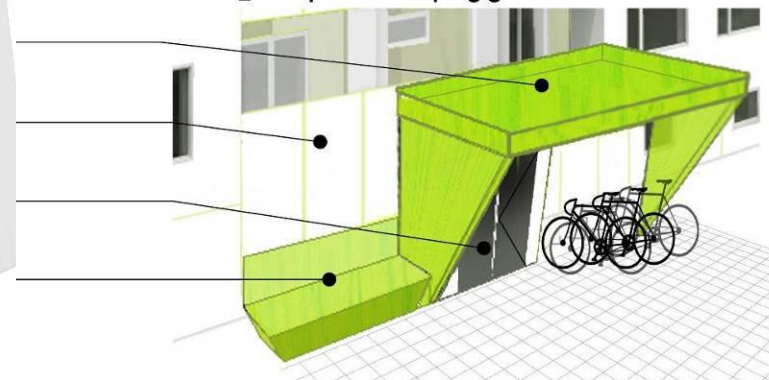
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D-01a_ Sissepääs pingi ja lillepeenraga



D-01b_ Sissepääs kahe pingiga

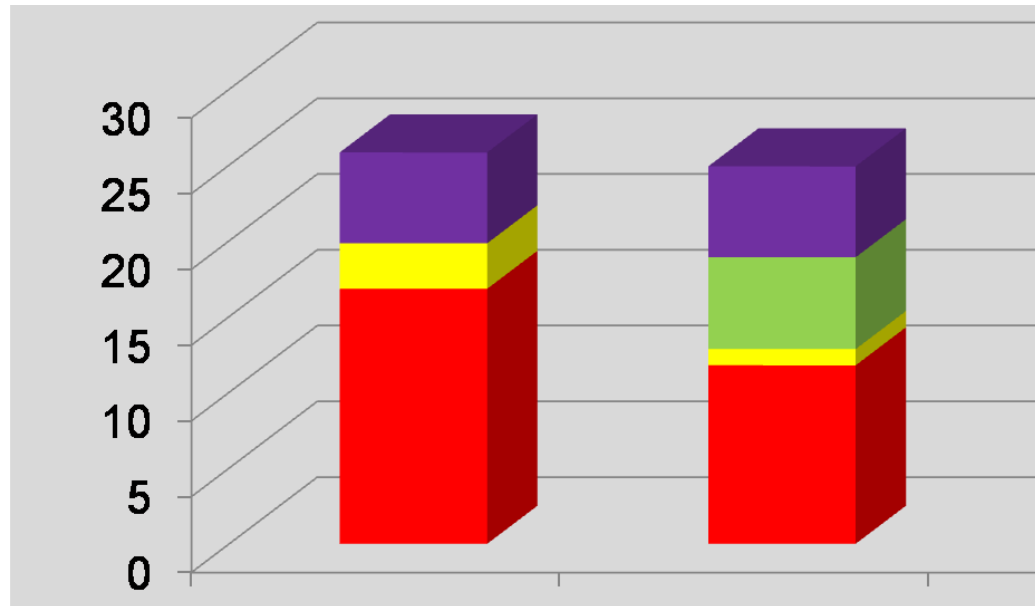


COMMUNICATION

- articles in the press
- advertising campaigns
- relations with the local heads of the apartment associations



Financing



**before
financing**

**financing for 10
years**



other expenses

renovation funds payment

loan payment

heating expenses

area 3000 m²

savings 30%

loan 3 million EEK

intrest rate 4,0%

SUMMARY

The only way to avoid slums is RENOVATION

To achieve functional quality (täisväärtuslikku) of residential environment it is necessary to renovate existing apartment buildings IUD

The apartment buildings renovation process requires a considerable amount of financial support (Also the source for financing the improvement of the area surrounding the apartment buildings needs to be found)

Involving, informing and assuring the residents is the key factor in the success of this process. This takes a lot of effort and energy and therefore additional human resources are needed.

Local governments should have the leading role in this process. Rakvere is the most experienced local government in Estonia to address this matter.

We need to share this experience and knowledge.

KREDEx

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Heiki Parve /Energy Efficiency Project Manager/



Rakvere City Government

Andre Jaadla /mayor of Rakvere/

Raul Järg /head architect/

Anu Oja /head of the international affairs/



Baltic Union of Cooperative Housing Associations

BUCHA

Marit Otsing

