Rize, Turkey: Planning and Design Concepts for the Province and City
TABLE OF CONTENTS

INTRODUCTION
QUICK FACTS
SITE VIEWS

CONCEPT FOR PROVINCE
DESIGN PRINCIPLES
DESIGN CONCEPTS
CONCEPT BENEFITS

PROJECT SITE CONCEPTS
YAYLA CONCEPT
KUSPA VALLEY CONCEPT
RIZE CITY CONCEPT
INTRODUCTION
# QUICK FACTS

## Turkey

**LAND AREA:**
783,562 Sq. Km.

**DEMOGRAPHY:**
- Population: 70,586,256 (2007)
- Urban Population: 70.5%
- Istanbul Area: 17.8%
- Ankara Area: 6.3%

**ECONOMY:**
- GDP: $559.7 billion
- GDP per capita: $11,000

**GEOGRAPHICAL REGIONS:**
- Marmara Region
- Aegean Region
- Mediterranean Region
- Central Anatolia Region
- Black Sea Region
- Eastern Anatolia Region
- Southeastern Anatolia Region

## Rize Province

**Total Area of Province:** 3290 sq. km

**Area of Development:**
- Province: 460 sq. km
- Rize City: 19 sq.km
- Kuspa Valley: 3 sq.km
- Yayla Mountain Yurt Camp: 0.75 sq.km

**Preservation Area:** 2060 sq.km
**Road Network:** 430 sq.km

**Projected Population:**
- Province: 1,500,000
- Rize City: 500,000
- Kuspa Valley: 10,000
- Yayla Mountain Yurt Camp: 150
17. Outdoor Markets

There can be less profit purchasing in a supermarket under a single management. A desirable market is one where different commodities can be purchased under a single roof. A place where individual owners sell different foods in their own stalls can make shopping more convenient.

Existing Condition:

There are several outdoor markets in Rize that are composed of many small shops. These shops are owned by individuals and sell different commodities. These outdoor markets are active and welcomed by local residents. However, these shops are not always well coordinated to form a coherent market. They sell similar goods and cannot offer a variety comparable to the supermarket. So they may not be able to compete effectively with the chain supermarket.

Therefore:

Instead of a few modern supermarkets, establish frequent marketplaces, each one made up of many smaller shops which are autonomous and specialized. They should be unified into a cooperative business system. And what's more, such a place can offer an opportunity for farmers to sell their own foods.

The market structure needs to have minimum built form, with provision of no more than a roof, columns which define aisles, and basic services. The aisles need to be wide enough for small delivery carts and also accommodate a dense throng of pedestrians. The stalls should be rather small so that the rent is low. An option is to let the owners build their own personalized structures for themselves.

Suggested Patterns:

Bazaars are found in the older part of downtown. They are for thrill stores and temporary stalls in narrow, tight alleyways. Most stalls sell locally made goods. There is no vehicular traffic.

18. Shopping Streets

Shopping streets aim to reinforce pedestrianism, improve the quality of life of the people in Rize with great public spaces and intense local and international commercial activity.

Existing Condition:

Rize has several permanent and temporary streets with a mix of high end shopping and everyday bazaars. This shopping trend can be seen in the various districts within Rize. The “high-end” pedestrian-friendly shopping streets within downtown Rize are lined with retail, cafes, and restaurants. The buildings are essentially mixed-use but commercial activity is dominant. The first floor of the building has transparent storefronts that facilitate vibrant street shopping. While the present conditions work for the city as it is, the streets need to be made more shopping friendly to attract tourists.

Therefore:

High-end shopping streets will be mixed-use, tree-lined & walkable with transparent storefronts, cafes and restaurants.

Shopping streets need new retail areas at various sites which promote local goods and are interactive with shoppers with goods spilling over onto the streets. Bazaars are to be made more accessible with a prominent entrance. Multi-functional spaces should be allocated to house temporary markets. E.g. Wide stair streets can double up as temporary markets.

Suggested Patterns:

Network of recreational activity

Streets and roads for pedestrians

Stair Streets

Develop local small scale industry

Wide stair streets can double up as temporary markets.
CONCEPTS FOR PROVINCE
PRINCIPLE 1: CREATE A SUSTAINABLE ECOLOGY

- Constructed Wetlands
- Coastal Marshlands
- Tidal Turbines
**Benefit #1**
A new development model that preserves existing green fields and focuses construction within existing urban centers.
PRINCIPLE 2: DIVERSIFY THE ECONOMY

PROVINCE | YAYLA MODEL | KUSPA VALLEY | CITY
Benefit #1
A new development model that preserves existing green fields and focuses construction within existing urban centers.

Benefit #2
A new diverse economy that is built upon locally grown industries employing locally educated young professionals.
PRINCIPLE 3: ENHANCE PHYSICAL NETWORKS

PROVINCE | YAYLA MODEL | KUSPA VALLEY | CITY
**CONCEPT BENEFITS**

**Benefit #1**
A new development model that preserves existing green fields and focuses construction within existing urban centers.

**Benefit #2**
A new diverse economy that is built upon locally grown industries employing locally educated young professionals.

**Benefit #3**
The development of a transportation and communication network that sustainably connects the region promoting tourism and trade.
Enhance Physical Networks

Diversify Economy & Preserve Culture

Create a Sustainable Ecology
CONCEPTS FOR PROVINCE

Result: Concept for Rize Province
Concept Detail 1: Black Sea Coast

Focus on development of Rize and Cayeli and regional/extra-regional connections along coast.

- Increase density and mix of uses in urban areas.
- Develop base for educational institutions throughout the province.
- Connect to other locations in Turkey and the Black Sea Region via the coastal corridor and redeveloped ports.
- Extend green corridors along rivers through urban areas to the Black Sea.
Concept Detail 3: Tourism System

Focus on development of tourism industry in high plateaus and yaylas.

- Utilize historic locations, traditional agrarian landscapes, and spectacular yayla settings as a tourist draw.
- Create a high plateau connection between the Ikizdere and Fırtına Corridors and extend the National Parks system.
- Utilize new ports at Rize and Kuspa Valley as important points of entry for tourists from the Black Sea Region.
PROJECT SITE: YAYLA
LARGE SCALE SITE PLAN

To Ayder

Kavron at 2300 M

Restricted Driveway

Existing Village

Yurt Village at 2600 M

Trails

To other Camping Sites

Tent Camps at 2900 M
SUSTAINABILITY PRINCIPLES

Green roof
http://landscapeandurbanism.blogspot.com/2009_02_01_archive.html

Living machine wastewater treatment,
NEW YURT VILLAGE WITH SPACE FOR LIVESTOCK & GARDENS
PROJECT SITE: KUSPA VALLEY

- RIZE
- YAYLA SITE
SITE PLAN

- Ferry & Boat Marina
- Reconstructed Marshland
- Reconstructed Wetland
- Sustainable Systems Research Center
- Hotel & Conference Center
- Gondola
CONCEPT DIAGRAMS

LAND USE

FLOOR AREA RATIO
SUSTAINABILITY PRINCIPLES

Green Infrastructure Building & Site
Section of rain harvesting system
Green roof
http://www.ecepmu.org/content/view/902/
Rain harvesting
Rain garden
http://www.rainwater-harvesting-news.com/
http://www.backyardpondsire.com/fane.html
Rain water harvesting diagram
http://www.fcwc.org/WER/ww/032003roofs.htm

PROVINCE | YAYLA MODEL | KUSPA VALLEY | CITY

MASTER OF URBAN DESIGN 2010
UNIVERSITY OF MICHIGAN
FOCUS AREA CONCEPTS
KUSPA VILLAS ARE RESTRICTED TO THE NORTH SLOPE IN ORDER TO PRESERVE LARGE PORTIONS OF THE VALLEY’S NATURAL LANDSCAPE
PROJECT SITE: RIZE CITY
RIZE CITY CONCEPT
SITE PLAN

- University & Research Center
- Agricultural Land
- Ports
- Ecological Corridor
- Ferry Terminal
- CBD
- University & Research Center
- Hospital
- Industry Park
- Agricultural Land
- Ecological Corridor
- Ferry Terminal
- CBD
- Agricultural Land
LAND USE PLAN
TRANSPORTATION DIAGRAM
PHASING PLAN
ECOLOGICAL CORRIDORS RESTORE NATURE THROUGHOUT CITY
NEW UNIVERSITY DISTRICT MAKING RIZE A NATIONAL “CENTER FOR EXCELLENCE”
CENTRAL BUSINESS DISTRICT
CONCEPT DIAGRAMS

FLOOR AREA RATIO

LAND USE

- Residential
- Retail
- Office
- Recreational
- Industrial
- Institutional
- Hotel
- University
- Hospital

PROVINCE | YAYLA MODEL | KUSPA VALLEY | CITY
ATATURK SQUARE: NEW BUILDINGS PRESERVE HISTORIC ARCHITECTURE, PUBLIC SPACES & VIEWS
ATATURK STREET: NEW LIGHT RAIL CONNECTS ALL OF RIZE’S AMENITIES