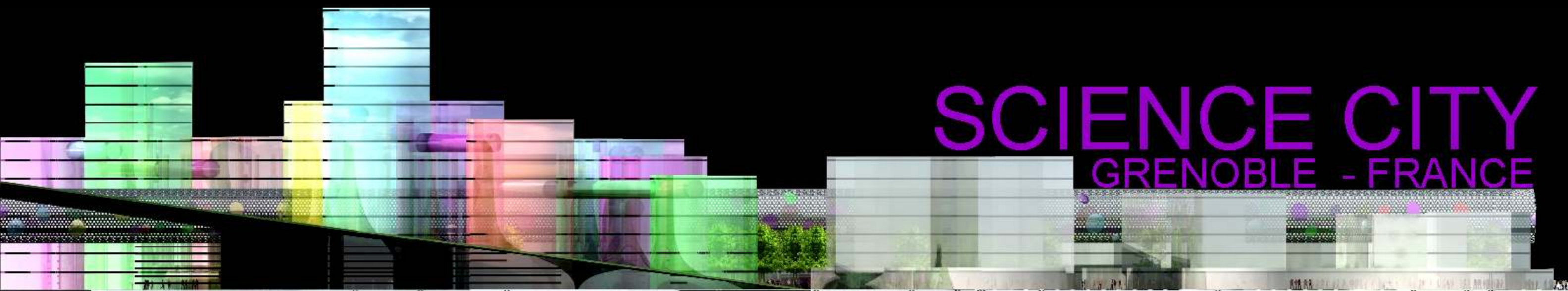
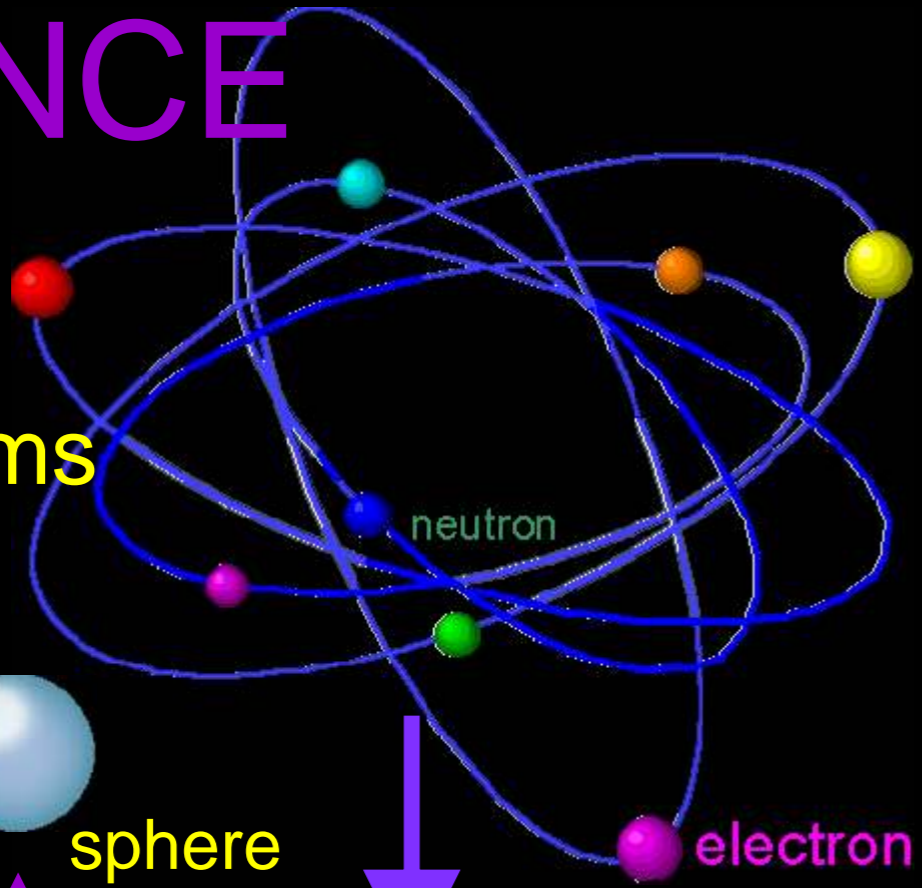


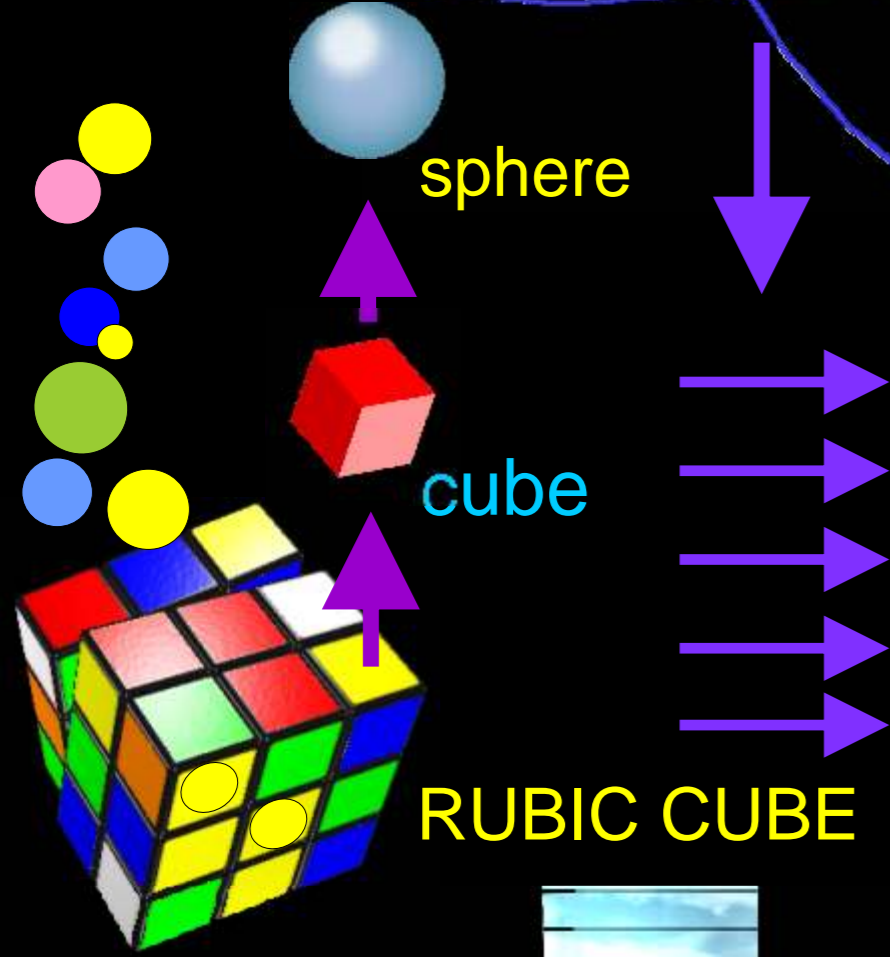
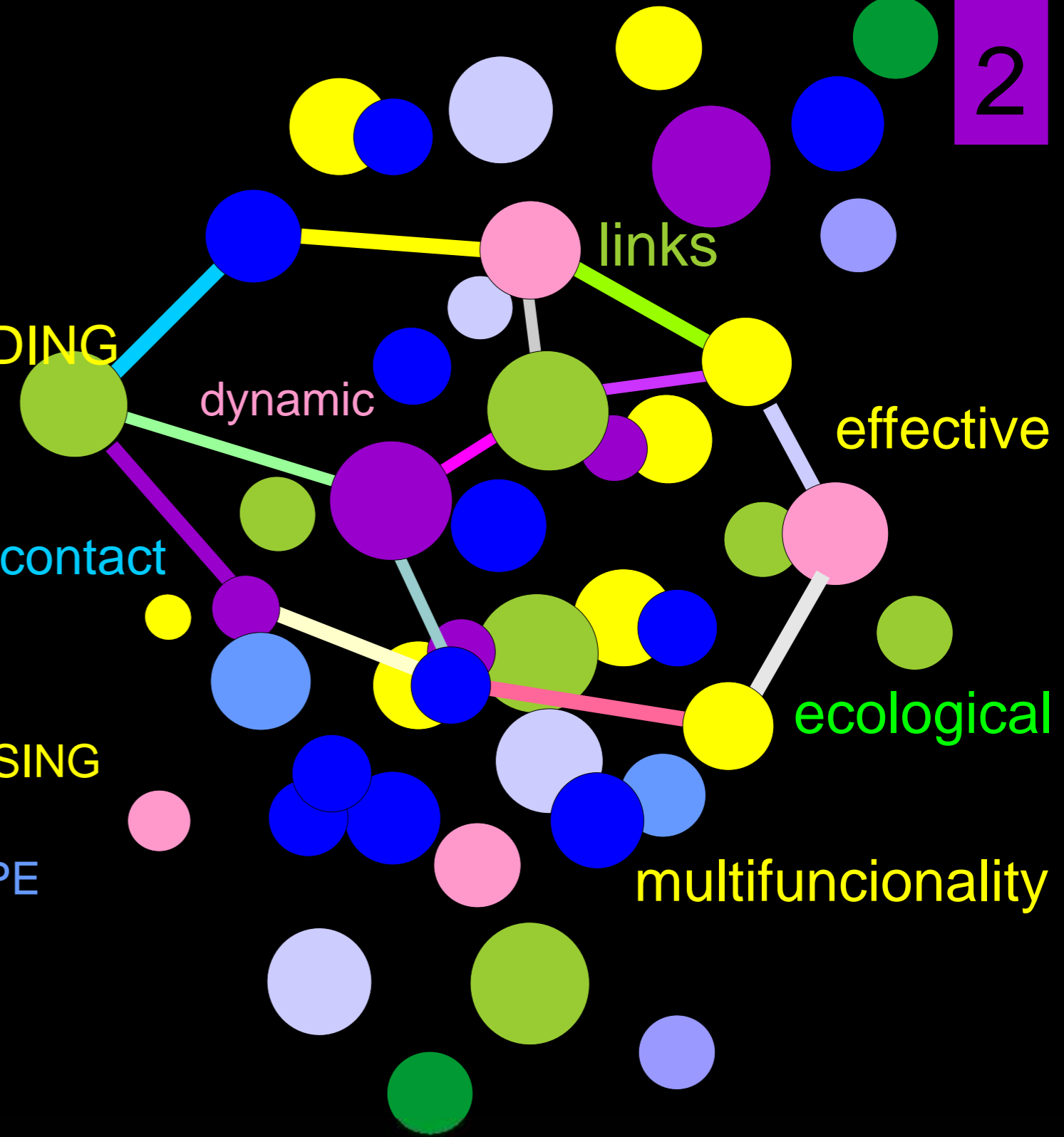
...”no one, after all, can be in favor of unsustainability...”
David Harvey



SCIENCE

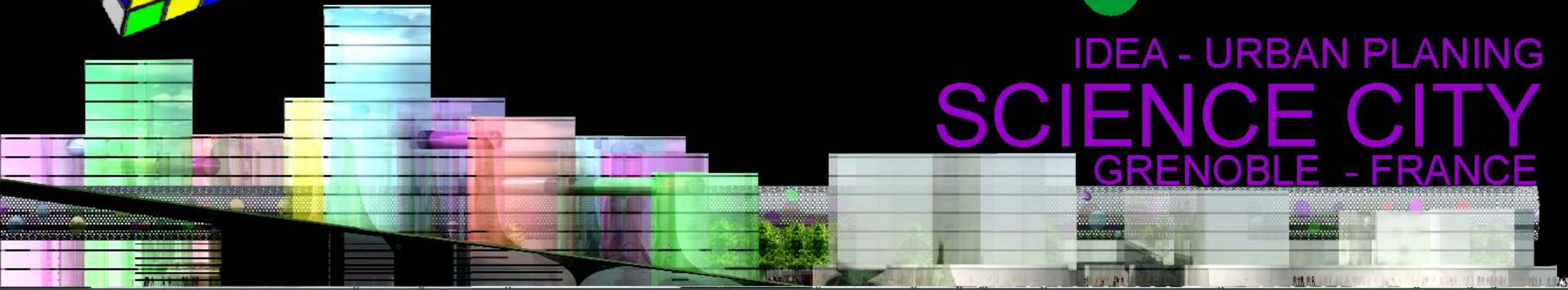


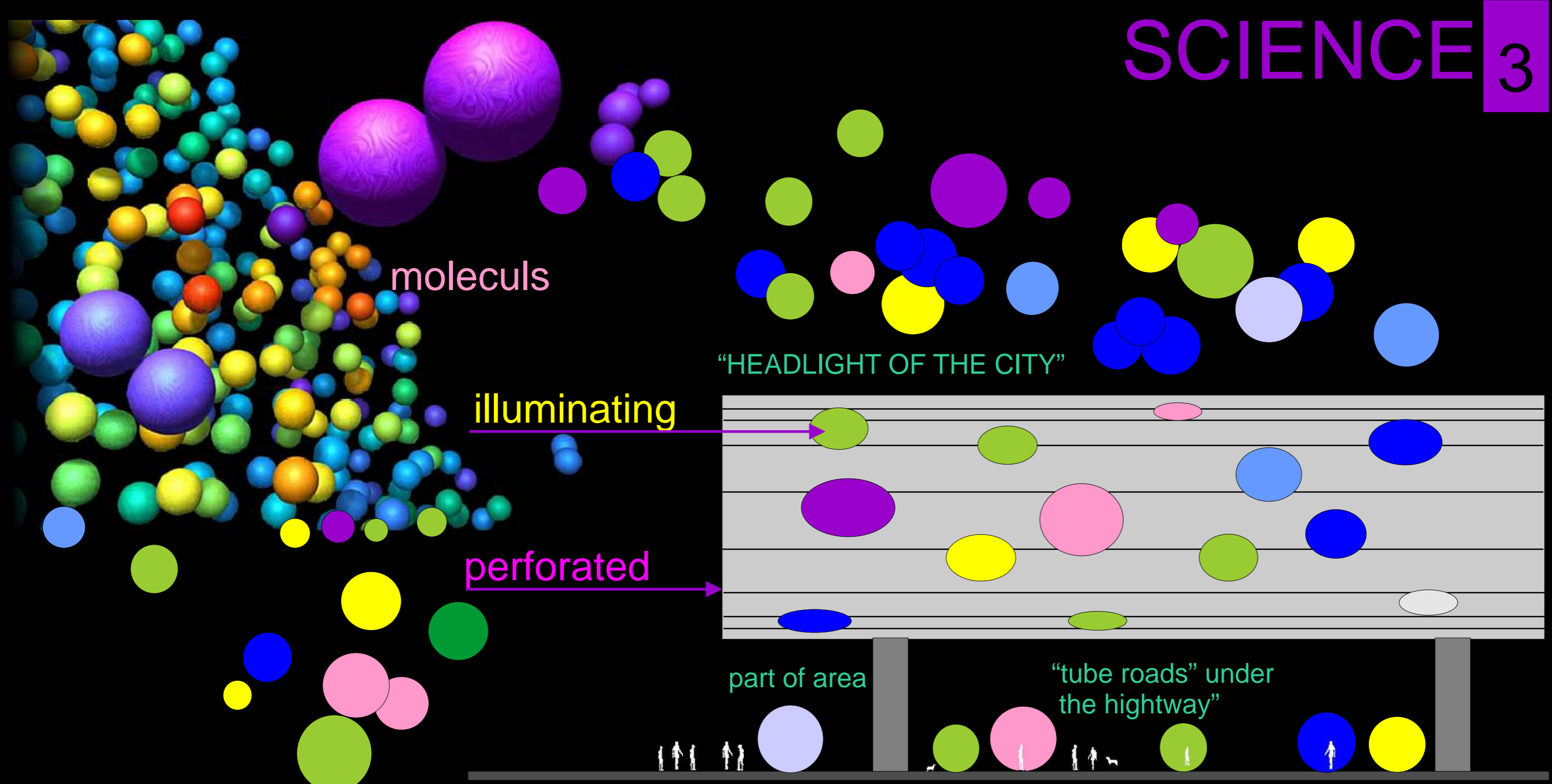
BUILDING



- EFFECTIVE HOUSING
- SAVING ENERGY
- ECONOMIC SHAPE
- SCIENCE CITY
- FLEXIBILITY

IDEA - URBAN PLANING
SCIENCE CITY
 GRENOBLE - FRANCE

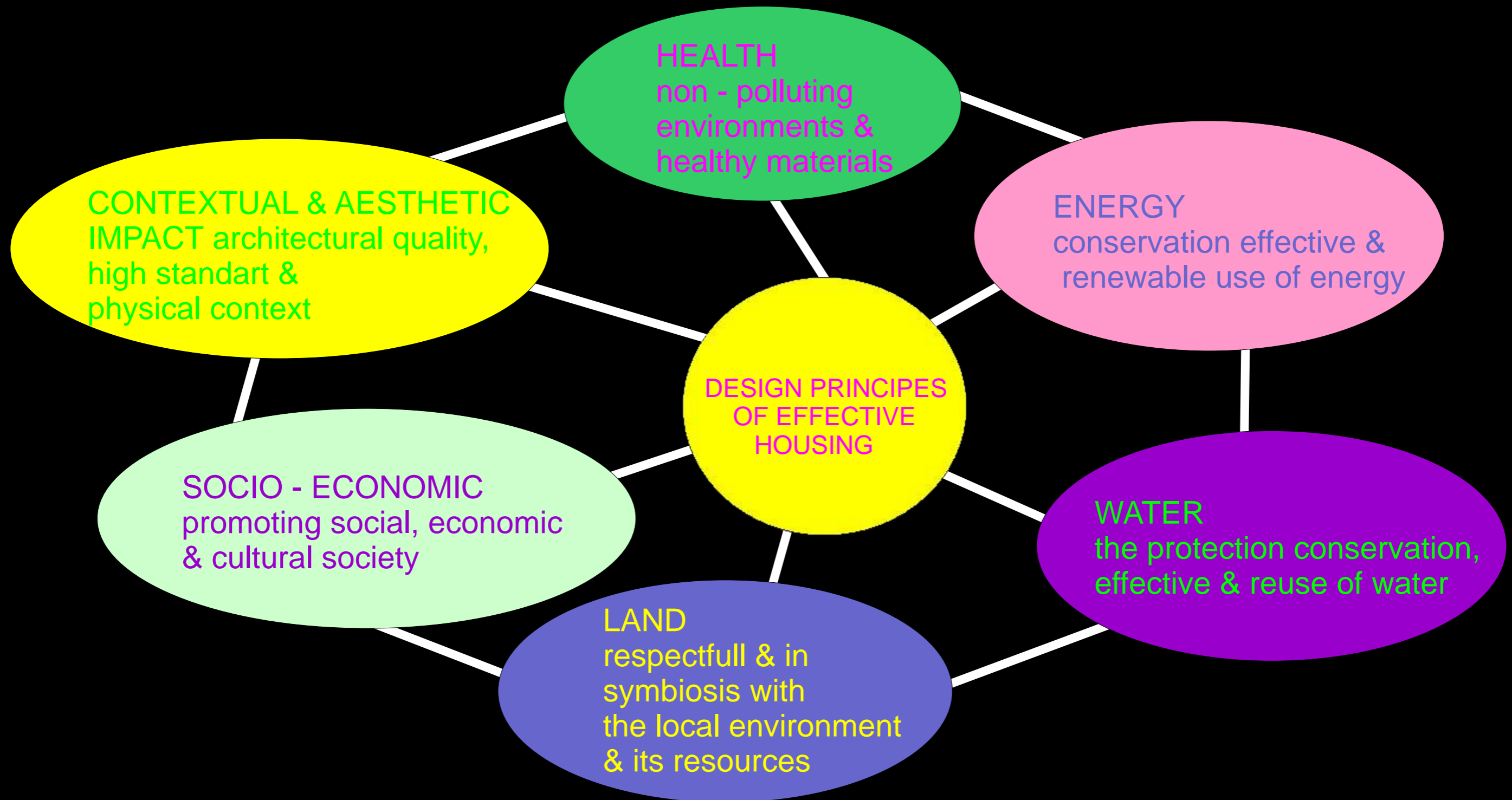




"COVER OF HIGHWAY"

IDEA - ARCHITECTURE
SCIENCE CITY
GRENOBLE - FRANCE



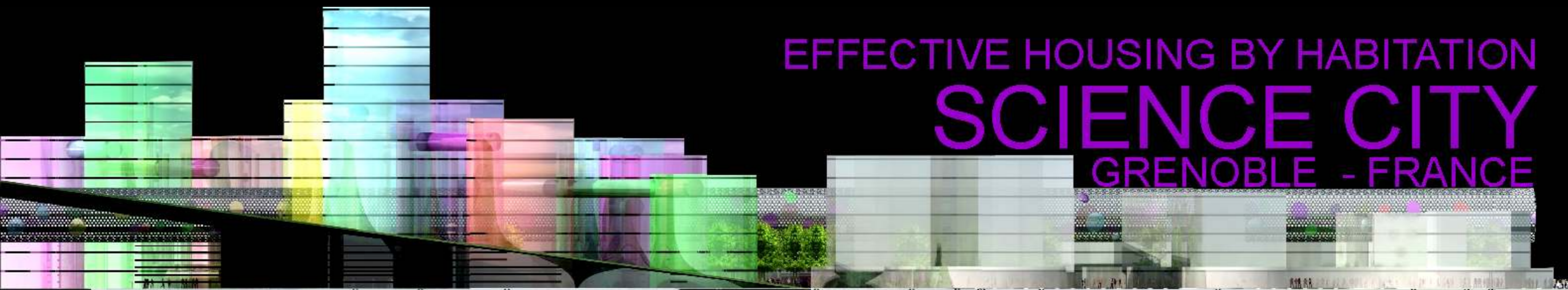


EFFECTIVE HOUSING BY ENVIRONMENT
SCIENCE CITY
GRENOBLE - FRANCE





EFFECTIVE HOUSING BY HABITATION
SCIENCE CITY
GRENOBLE - FRANCE



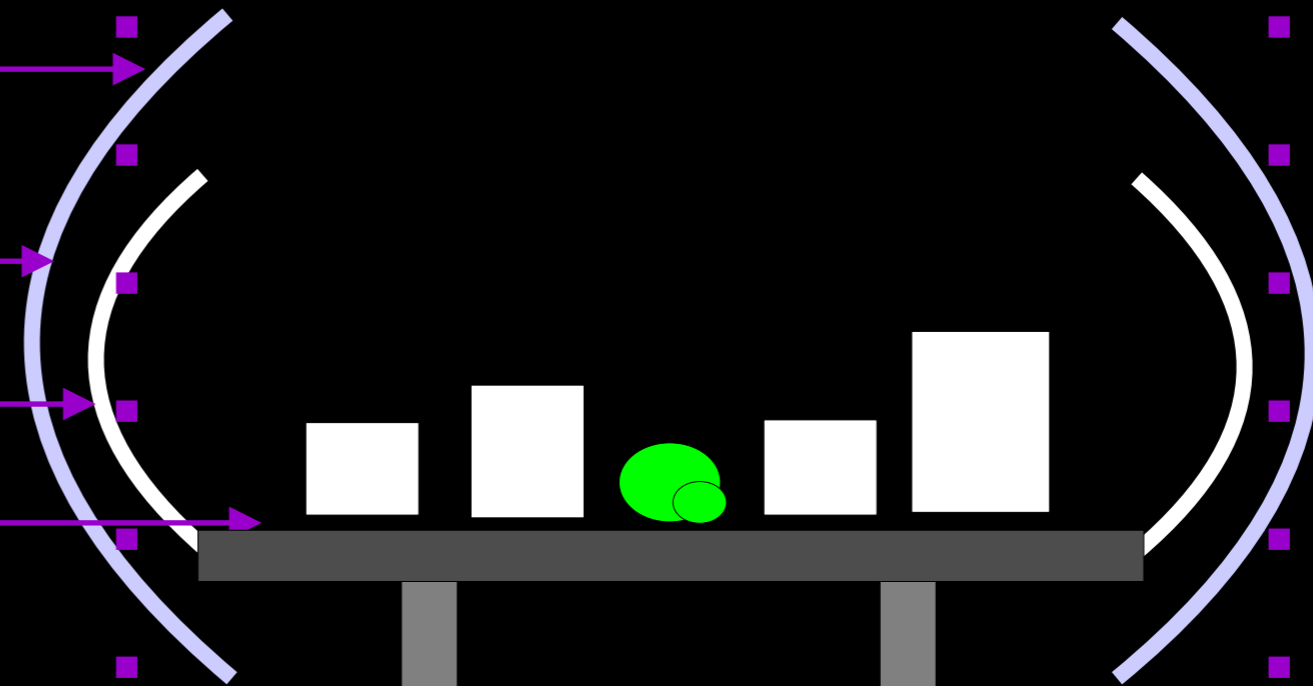
"SAVING ENERGY"

photovoltaic cell

architectural "cover of highway"

anti - noise - screen

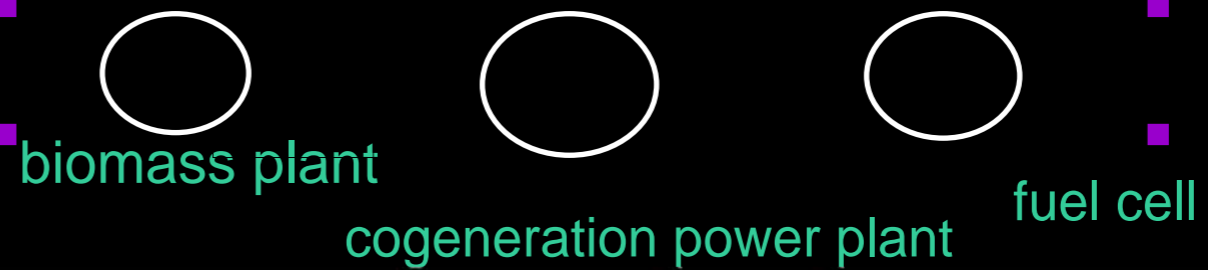
highway



"tube roads" under the highway



"COVER OF HIGHWAY"



biomass plant cogeneration power plant fuel cell




EFFECTIVE HOUSING - SAVING ENERGY

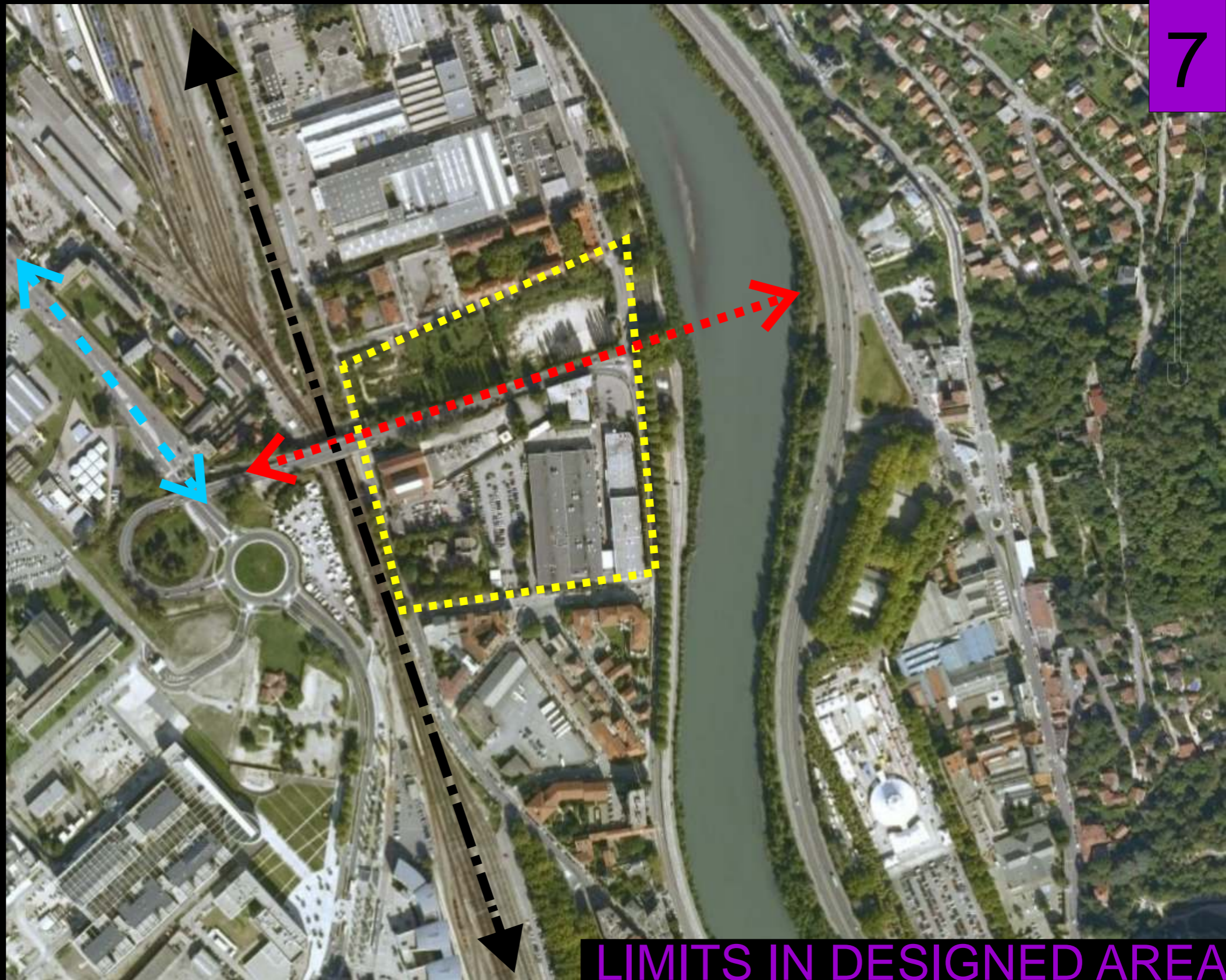
SCIENCE CITY

GRENOBLE - FRANCE



LEGEND

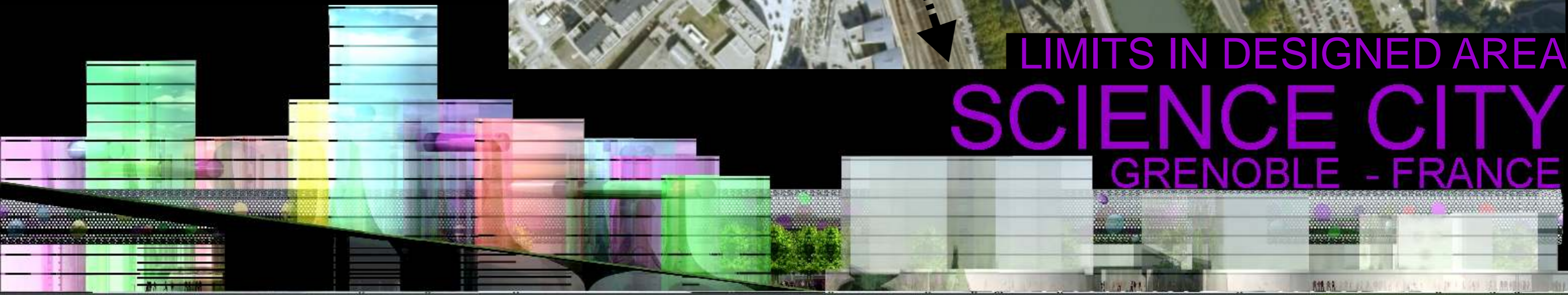
-  HIGHWAY TO CREATE
-  RAILWAY
-  BOULEVARD
-  DESIGNED AREA



LIMITS IN DESIGNED AREA

SCIENCE CITY

GRENOBLE - FRANCE



LEGEND

● BUILDINGS

● WATER

● VERDURE

● TREES

● SIDEWALK

1 SIDEWALKS IN TUBES

2 MOLES

3 PROMENADE

4 HIGHWAY

5 VASCONI BUILDING

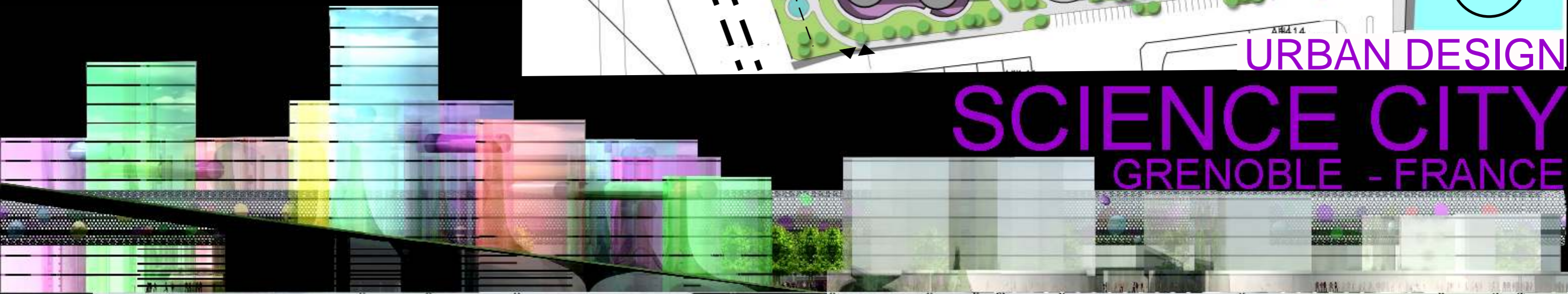
▼▲ ENTRANCE TO THE GARAGES

— RAILWAY





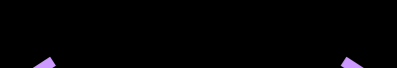


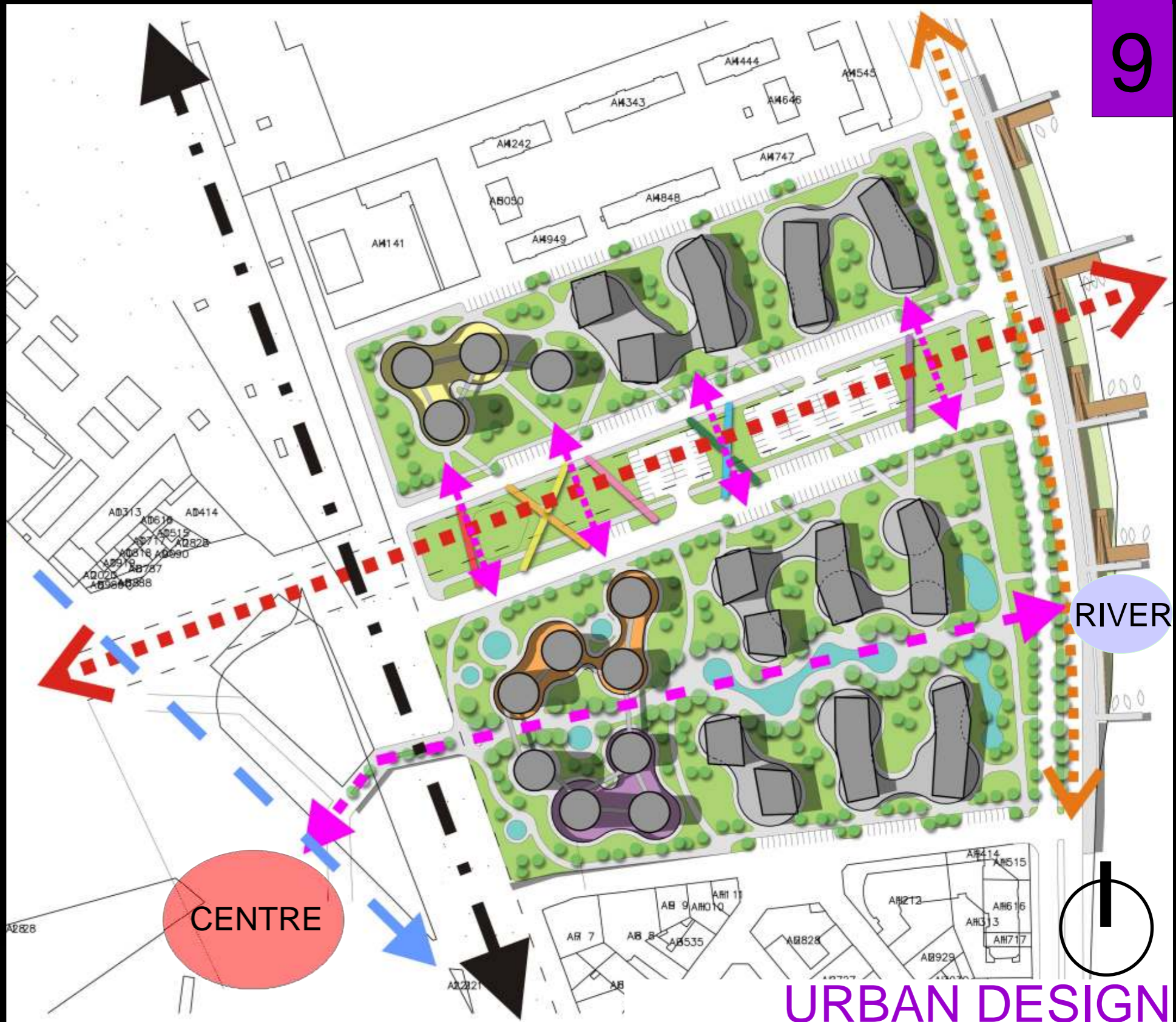
URBAN DESIGN

SCIENCE CITY GRENOBLE - FRANCE



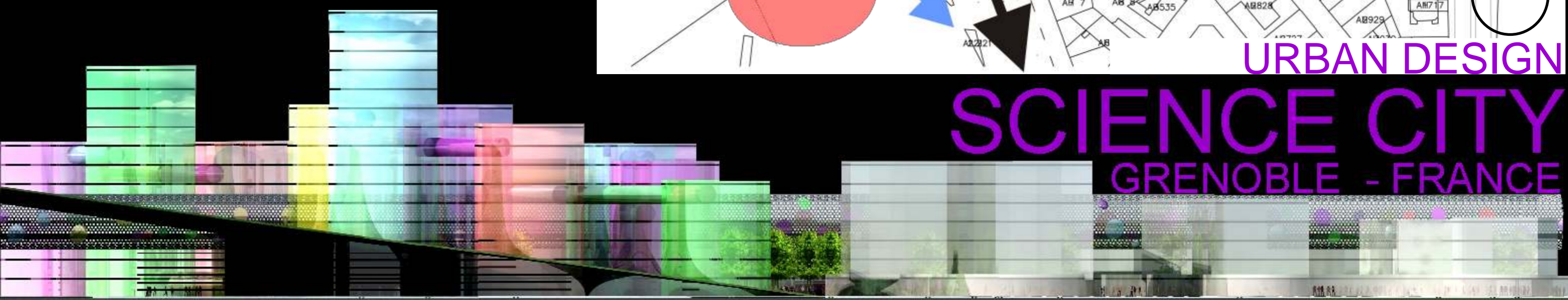
LEGEND

-  HIGHWAY
-  RAILWAY
-  PROMENADE
-  BOULEVARD
-  WALKERS




URBAN DESIGN

SCIENCE CITY GRENOBLE - FRANCE



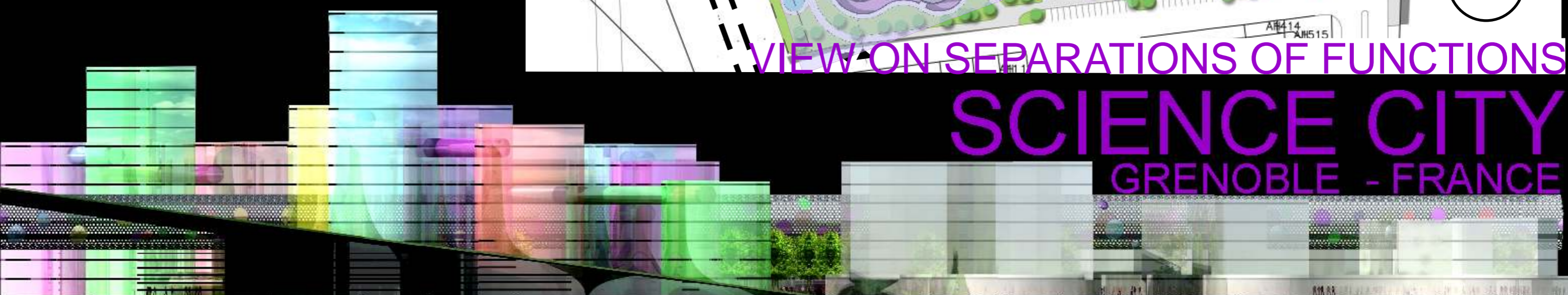
LEGEND

-  WORKING
-  HOUSING
-  RELAXING
-  SAVING ENERGY

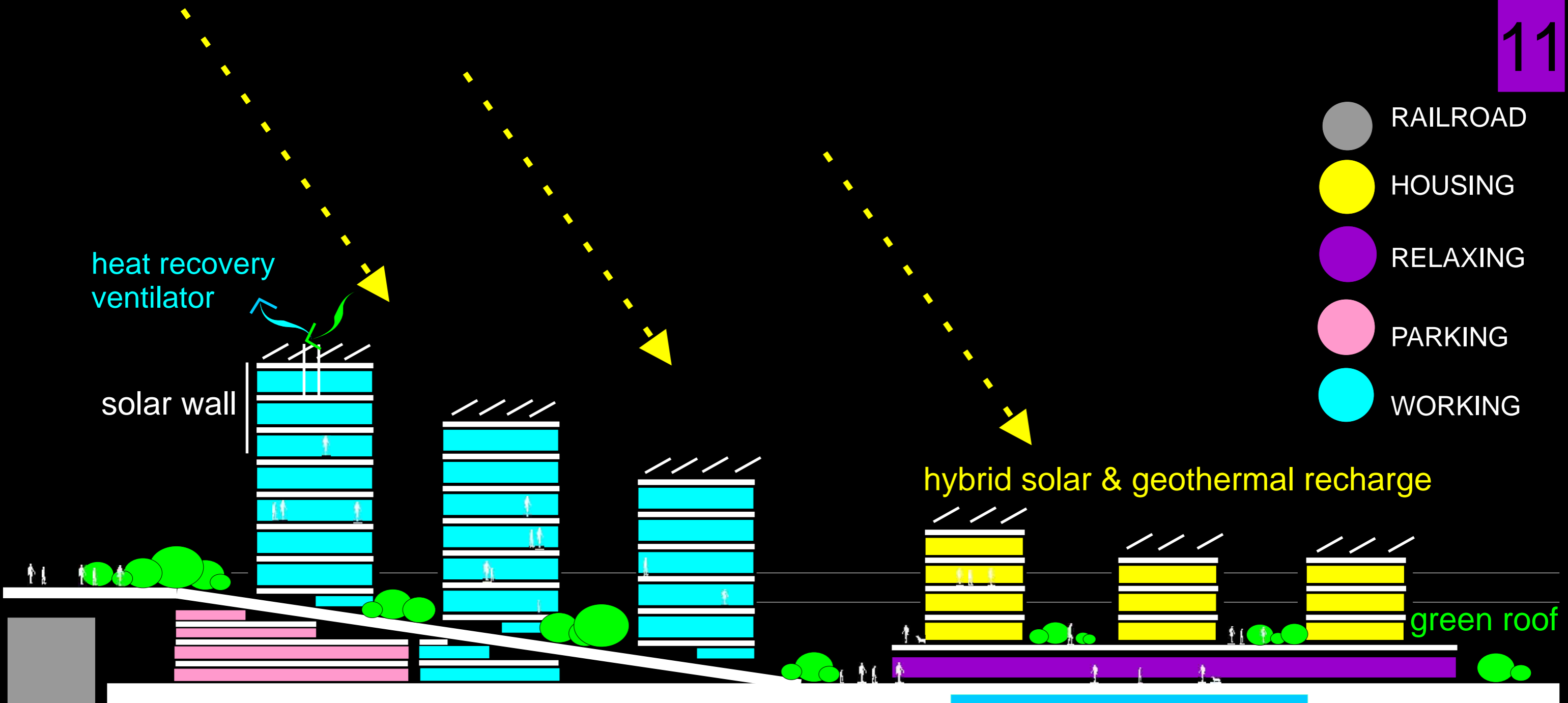


VIEW ON SEPARATIONS OF FUNCTIONS

SCIENCE CITY GRENOBLE - FRANCE

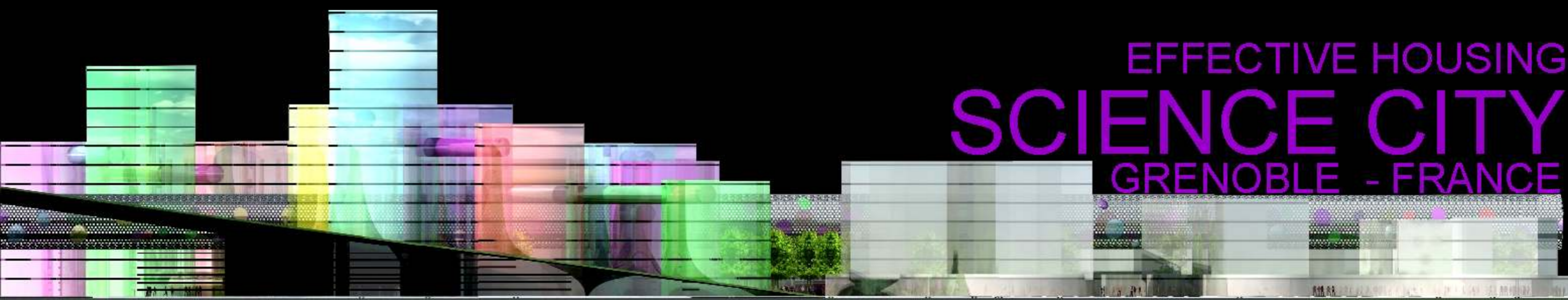


- RAILROAD
- HOUSING
- RELAXING
- PARKING
- WORKING



VIEW ON SEPARATIONS OF FUNCTIONS

storm water & grey water

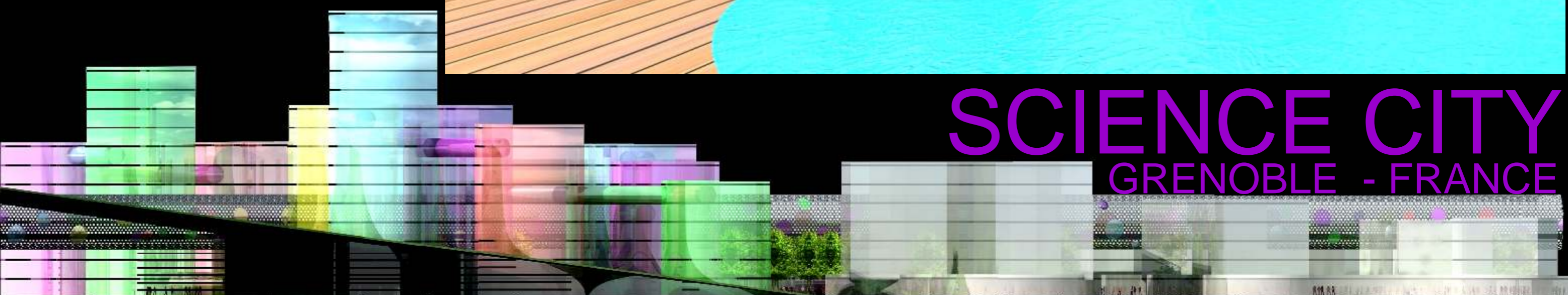


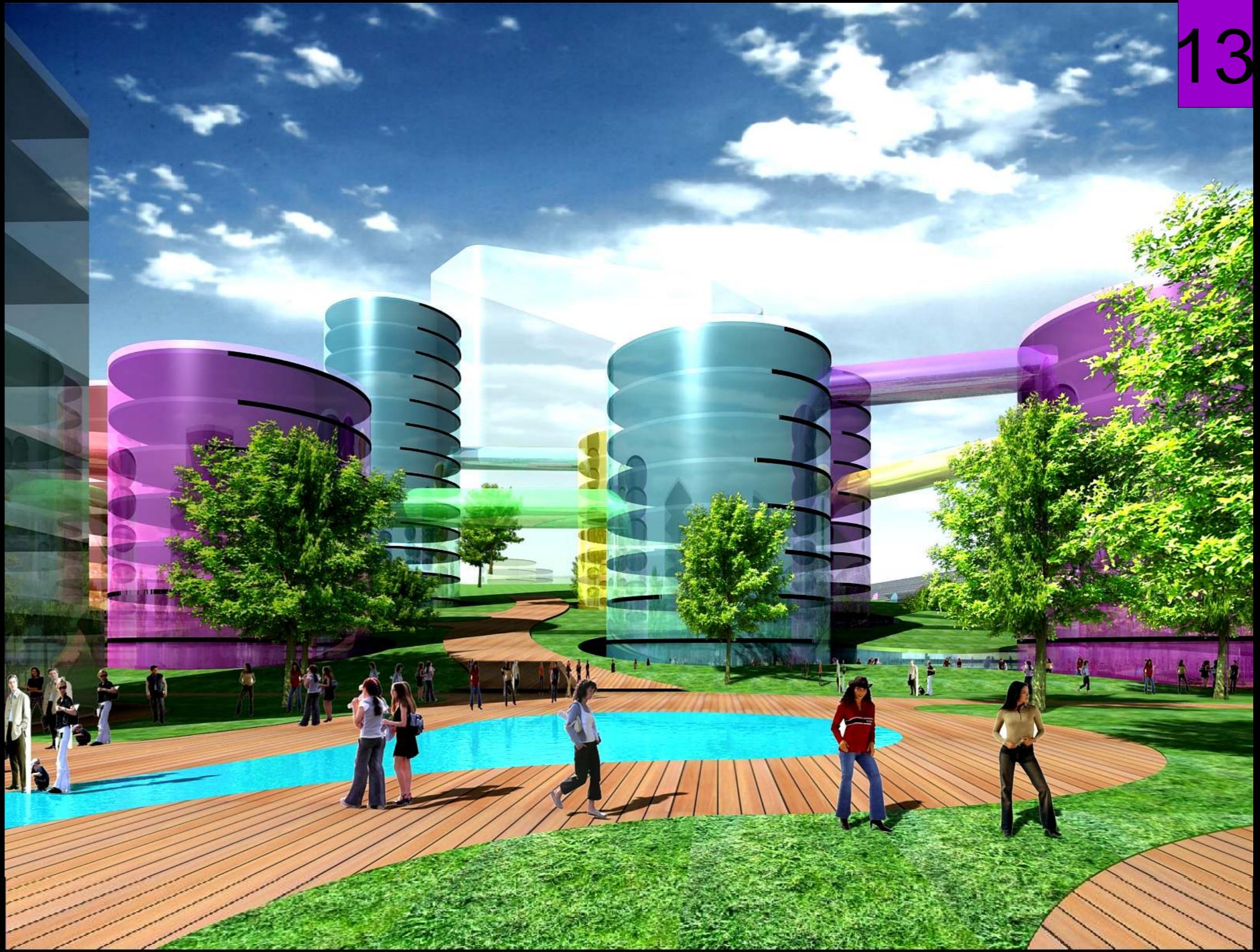
EFFECTIVE HOUSING
SCIENCE CITY
 GRENOBLE - FRANCE



SCIENCE CITY

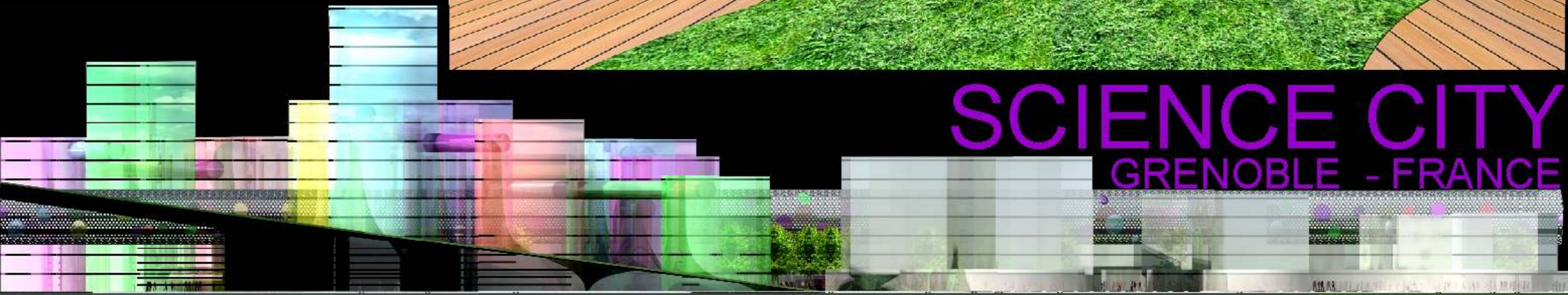
GRENOBLE - FRANCE

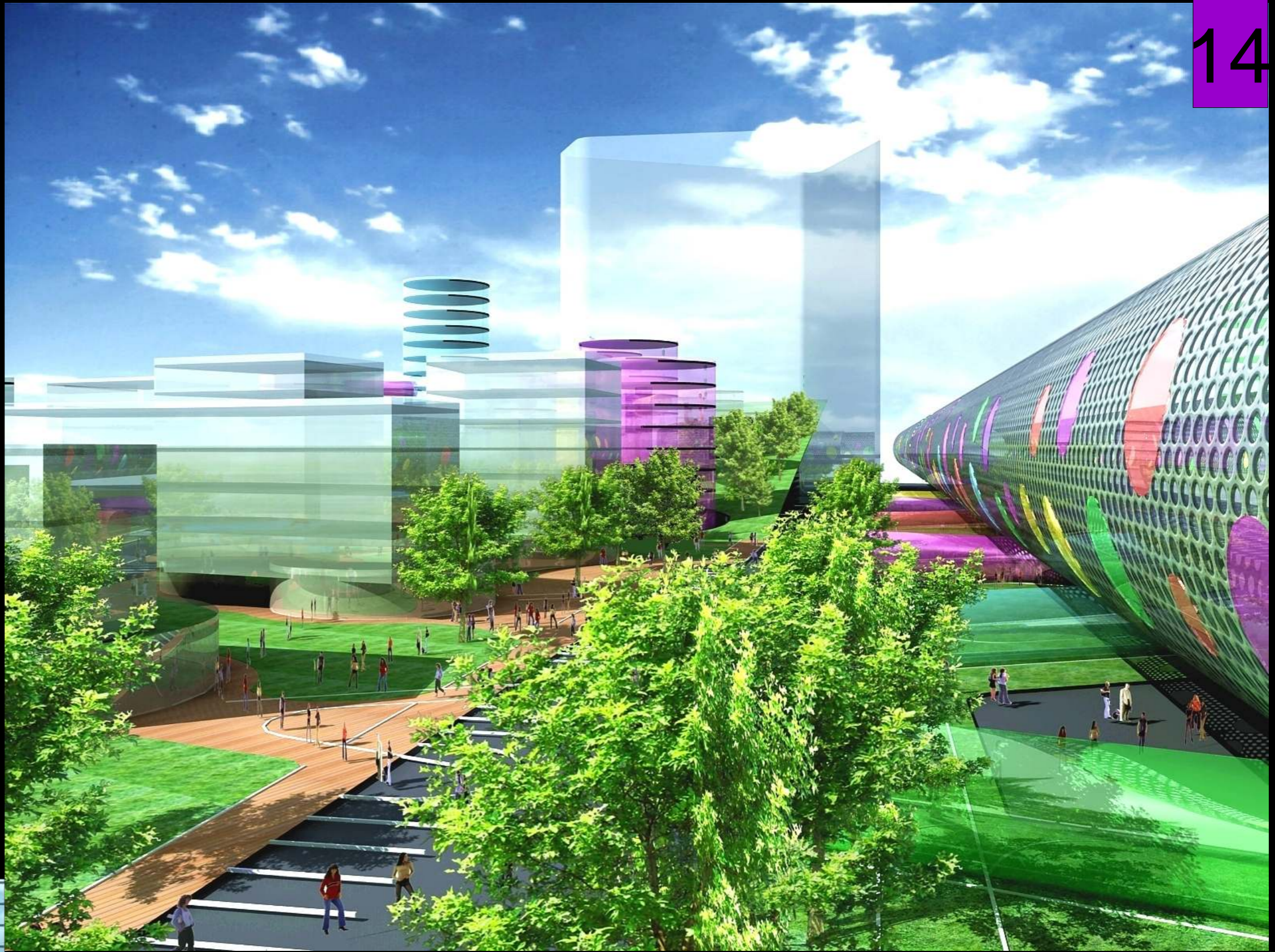




SCIENCE CITY

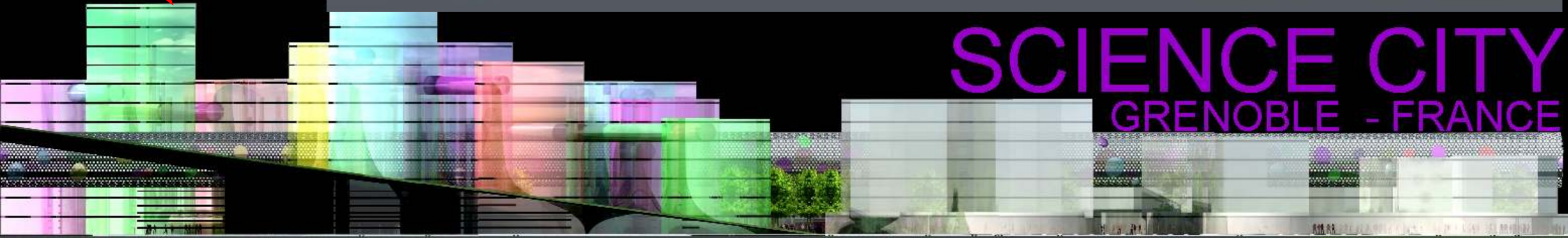
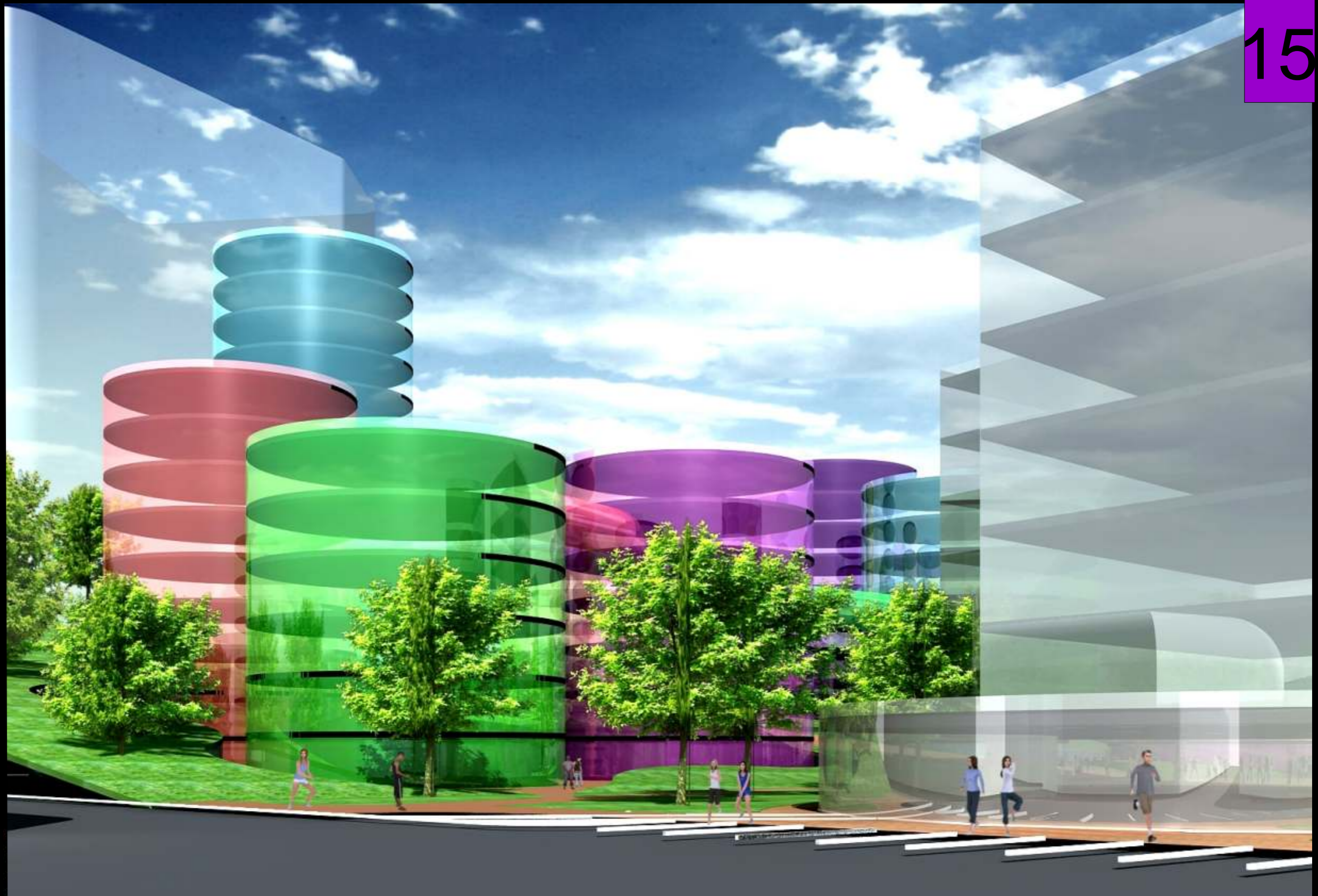
GRENOBLE - FRANCE





SCIENCE CITY

GRENOBLE - FRANCE



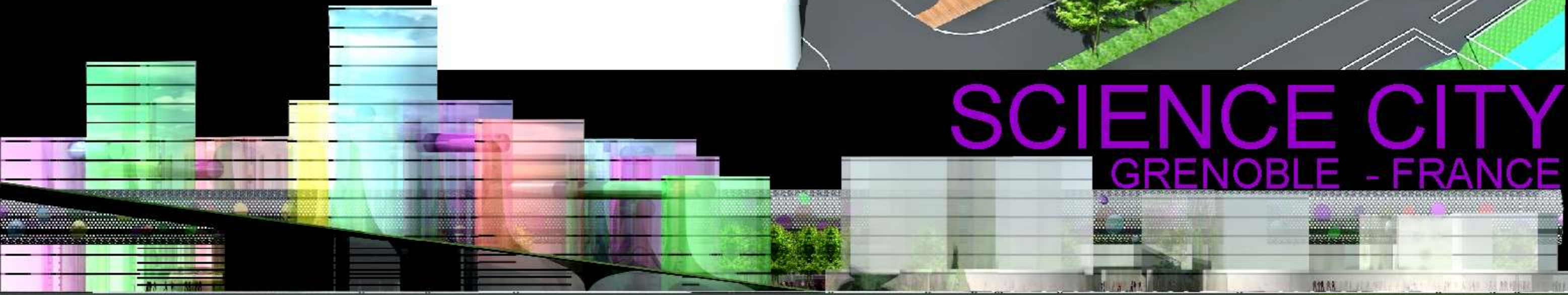
SCIENCE CITY

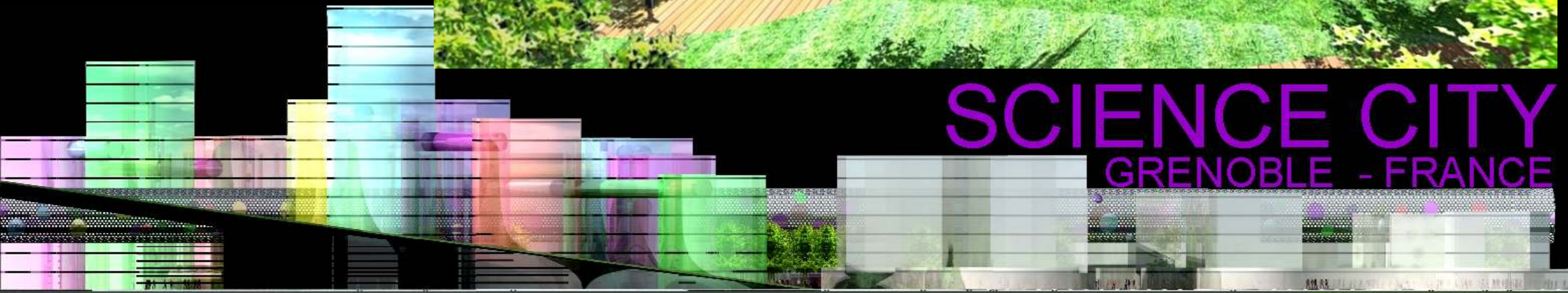
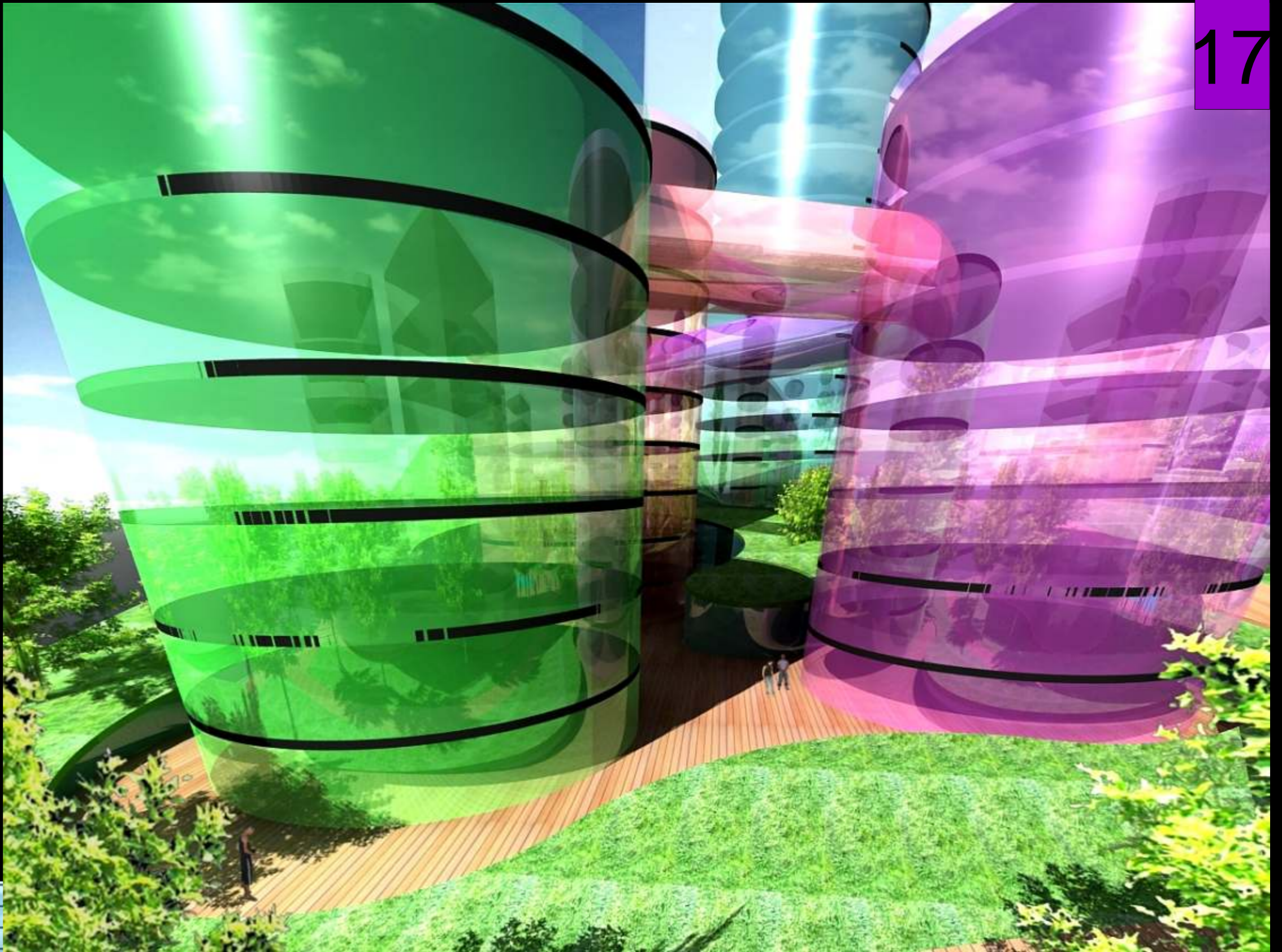
GRENOBLE - FRANCE



SCIENCE CITY

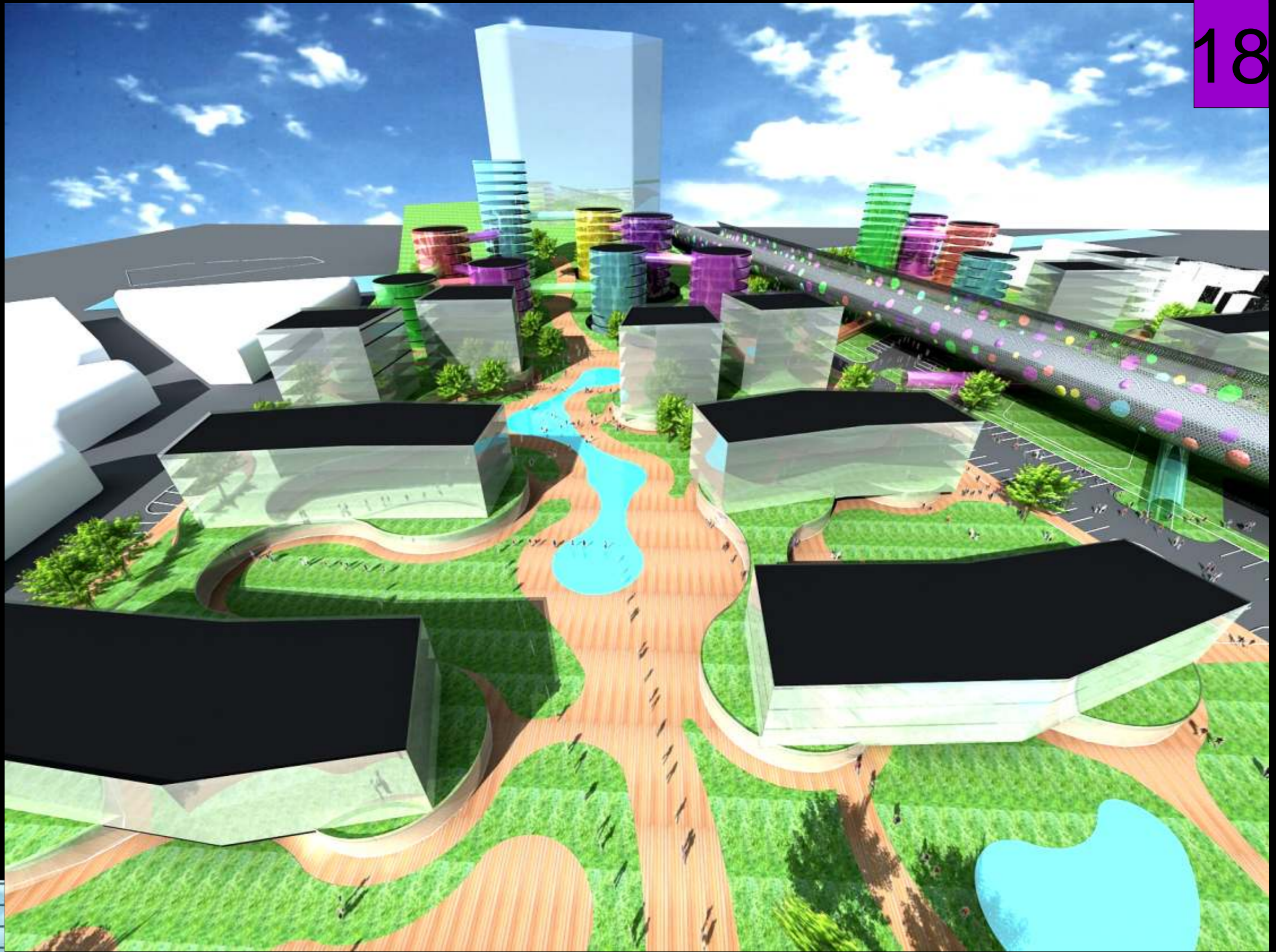
GRENOBLE - FRANCE





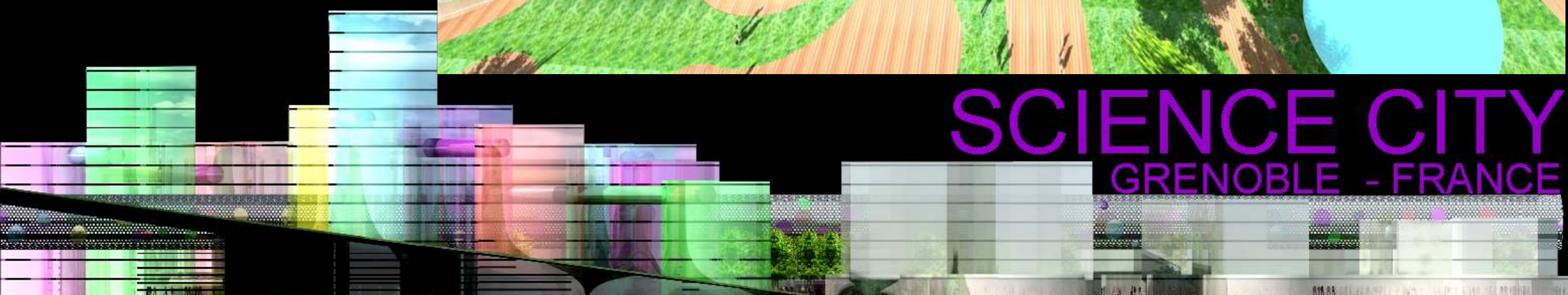
SCIENCE CITY

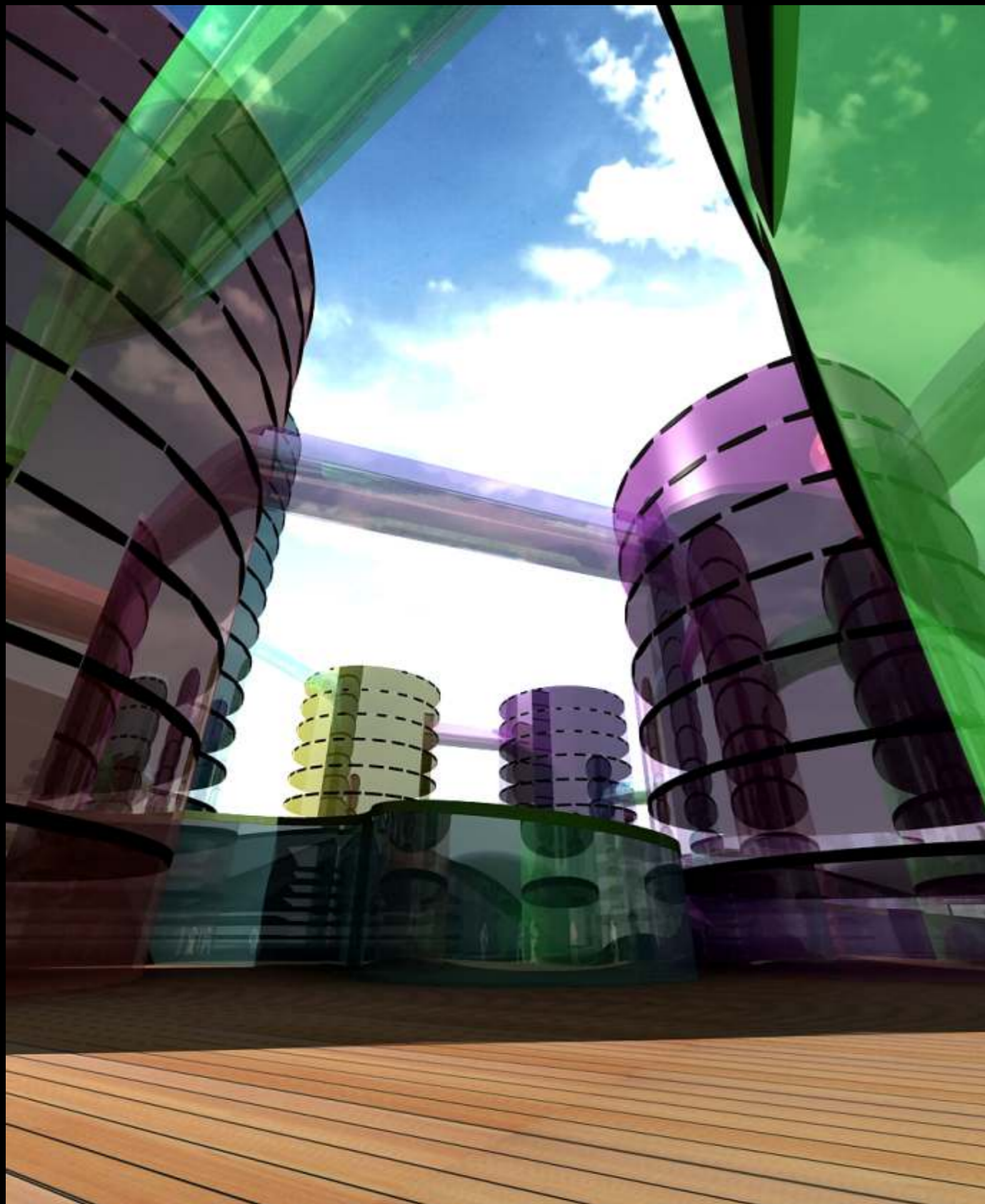
GRENOBLE - FRANCE



SCIENCE CITY

GRENOBLE - FRANCE





We created the urban design of science city, which is situated in Grenoble in France.

Well, first we would like to talk about the main characteristics of idea. Our task was to design small urban structure, where it can be possible to live and work together. We were inspired by molecular structure, that is first typical point of science. On the first Picture you can see the links between molecules, which we transformed to the pavements between buildings. Each molecule can perform one part - building of whole structure – living area. We transformed these molecules to the second part of our idea, which is covering of highway. Molecules are perforations to the cover and all these colored perforations give us the feeling off molecular structure. Under the highway are situated walking tubes for walkers.

The base reason of this urban design is, that the molecules are several problems of effective housing like : land, water, energy, health and socio-economic sphere. All these subjects are locked to the one problem of environment.

On the second picture we tried to explain what is necessary for the comfortable living in the city like Grenoble. The most important point is home contacted by study, shopping, working, relaxing, nature, facilities.

On the picture of cutting the highway is explanation of saving energy in our area. Highway covering is realised by photovoltaic cells, under the highway is situated stuff for saving energy like: biomass plant, fuel cells, cogeneration power plant.

Our new structures graduate from the river Isere to the Vasconis high building. The urban area is divided to two parts. One part is for working, second is created for living and relaxing and is contacted with river. The walkers can walk from promenade through our area to the centre with boulevard by walking bridge above the railway. Under the working structures are parking houses connected with buildings. People can walk on the green roofs of the parking houses. Buildings for living are connected by one floor organic forms specified on relaxing and fun.

The roofs are used for the hybrid solar and geothermal recharge orientated on the south. One floor organic forms have green roofs and cylindric structures have heat recovery ventilator. The lakes between buildings are used for holding storm water and grey water.

SCIENCE CITY
GRENOBLE - FRANCE

