

INTERNATIONAL STUDENT COMPETITION

RegioneEmiliaRomagna

Rimini - Dancing to the Future

LE:NOTRE Institute

Linking landscape education, research and innovative pr

Prize-winning teams of the 8th LE:NOTRE Institute Student Competition



First Prize: Dancing with Fellini

Hana Gačnik, Zala Janežič, Magda Merhar, Kristina Oražem **University of Ljubljana, Slovenia**

Red thread of this project is the atmosphere that Fellini is showing in his movie Amarcord – I remember. We understand Fellini as a synonym for strong community.

As in Fellini's time, Rimini still has one main city centre. Nowadays one centre is not enough to support the whole city, because it has grown too much. In addition, there is a significant problem with the barriers such as heavy traffic roads, railway and river channels. These are challenging to overcome for pedestrians, cyclists and residents who live in hinterlands and work in the city.

Our proposal is to use Fellini's inspiration and design the city with a network of strong communities. To achieve a strong social system, we need other supportive systems. To create an environment friendly to pedestrians and cyclists, car traffic has to be moved out of the city and replaced with developed public transport network. To create a healthier and more pleasant living space, the existing green areas will be connected with new ones. With that we reduce heat islands. New more self-sufficient neighbourhoods are created by using natural resources such as water and sun energy. City is protected with anti-flood measures, while utilizing floods to produce electric energy.

When we were designing the public space of Rimini we were trying to see it through Fellini's eyes. We became the scenarists of the city and designed Rimini a place that makes dreams come true. Like Fellini said: "living a dream is like making a movie".











Second Prize: Motioning towards Eco-Journey

Angkita Hawlader, Mahasta Mahfouzi, Isat Jahan Nishat, Maximilian Stauch HSWT Weihenstephan-Triesdorf & HfWU Nürtingen-Geislingen, Germany

Rimini is a landscape of complex mechanisms within different layers - tourism, industry, small-business and agriculture. Thus, we found its resemblance to a machine and envisioned Rimini as a machine of landscape.

Though the terms 'landscape' and 'machine' are dissonant, this contradiction is justified while considering a large-scale landscape like Rimini. Locals are barely involved in its landscape intervention. Meanwhile, this landscape serves significant purposes as agricultural-production, natural reserves, and urban-infrastructure territory. These two practical facets aid in perceiving the machine aspect of this landscape.

Rimini landscape machine needs the power to work better, which is our design intervention. As our concept, we added new functions in different zones with physical and functional

connectivity, so that each individual function of this machine can get integrated and start moving. We have introduced a new shoreline for Rimini - the eco-corridor - promoting ecological buffer and sustainable growth for the future.

In our focus area, the potential of historically significant River Ausa is enhanced by renaturalizing, connecting with the existing green network and developing community gardens around it, resulting in a new aura - with more greenery, less fragmentation, improved accessibility, boosting community and tourist participation - thus increasing its economic factors.

Whenever this landscape machine starts working, it will convert the dull and fragmented landscape to a landscape with sustainable tourism, renewable energy, agricultural growth, heritage, culture, and social strength. For a while, it may seem immobile but with time the landscape machine of Rimini will start motioning towards eco-journey.











Honorable Mention: Rimini Electri-City

Ena Grgur, Luka Jaušovec, Manca Šega, Vid Stropnik, Alen Ternik **University of Ljubljana, Slovenia**

Rimini is one of the most attractive coastal cities in Italy, visited by millions of tourists every year. This fact is also reflected in its historic development, city characteristics as well as in different conflicts between uses. Recognized conflicts are addressed with multi-sectoral solutions of three main sectors (society, economy and environment), which will transform Rimini into a holistic and connected system.

This system is being realized in newly established green corridors, formation of public spaces, transport and social connections coast – city – hinterland. Leading factor in transforming Rimini into the unified system are energy-based measures. They realize the goal of self-sufficiency with renewable energy sources. Photovoltaic system is being implemented on residential buildings, hotels, industrial areas and the airport, while wind farms are being built on the sea. These steps serve as a base for other subsectors solutions and thus energetic transformation of the city is not only energetic but also comprehensive.

The airport closing functions as a combining area of all three main sectors and as an opportunity to realize a set of goals by introducing solar farming which connects electrical and agricultural production, expansion of green corridors as well as shaping of the public space through the process of landscape democracy. It also becomes a new entrance to the city and its coast from the hinterland by establishing additional cycle-pedestrian and bus connections. Through the bottom-up principle the airport runway is being transformed into an undefined public area that is open to all inhabitants for interpretation.











Honorable Mention: Rimini - Do you know your neighbourhood?

Jakob Authenrieth, Jonas Kania, Luise Lonnemann, Pauline Sachs, Sarah Schuster **HfWU Nürtingen-Geislingen, Germany**

The challenges associated with the task in Rimini are manifold. A major issue is the homogeneity of the urban structure, the separation of the tourist areas from the rest of the city and the great difference between summer and winter.

To meet these challenges, Rimini is being transformed from a large-scale city into a district city. On the one hand, this is done by developing and designating new green corridors that are oriented towards and extend existing green structures. On the other hand, the newly created districts are oriented towards existing use structures.

To form each new district into a functioning unit, the following 5 principles are applied: Decentralize the tourist areas to revitalize other parts of the city in summer and the beach areas in winter. Reduce and transform traffic towards urban friendly transport. This includes the promotion of public transport through a more effective bus network that allows for quick and spontaneous journeys. Developing green structures into high quality green spaces that can provide recreation and reduce the temperature in and bring fresh air to the city. Creation of identity features of the individual districts that together provide an overall identity for Rimini. Through unique structures and well-chosen uses, a district can be given its own identity. Create a short-way-city that minimizes long distances through good distribution and diversity of uses.

These principles applied to the districts in Rimini creates a good foundation to deal with future challenges together as whole district city.











Honorable Mention: In between Forests

Pauline Borremans, Marie Cornoedus, Jaron Rop, Yuri Schillewaert Hogent Kask & Conservatorium, Belgium

Reconnecting the hinterland and the coastline through productive forestscapes

To understand the challenges Rimini faces now and in the future, it is necessary to look beyond the urbanized area. As in many contemporary cities, the link between hinterland and city has been diluted over the past centuries. The hinterland makes urban life possible and has provided the city with food, drinking water, and so much more since its inception. With the threat of climate change, the hinterland becomes even more important than before, but we find that the hinterland itself has never been more fragile than it is now. Massive deforestation has greatly reduced biodiversity, constantly eroding fertile soils and reducing water buffer capacity.

This combined with the standardization and mechanization of agriculture creates poorer soils and more vulnerable crops. In our opinion, the key to a climate-adaptive Rimini lies in the hinterland. In doing so, this region has another great asset up its sleeve. Due to the rich history of the province, the hinterland has a wealth of beautiful castles and historical landmarks. At present, the hinterland is still a hidden gem hidden behind a busy seaside town. In our design we therefore not only include the ecosystem but also want to combine this with an expansion of tourist destinations in the area.

To protect the city against climate change and improve the quality of life, we want to reconnect the city with the hinterland and all its advantages. This we want to achieve by making six corridors. By allowing corridors into the city, space is being created in the densely built-up city. These green axes of the hinterland bring back the biodiversity and productivity to Rimini. It also creates passageways for the inhabitants of the city to rediscover the hinterland and its rich history.

The corridors connect the underlying productive landscape with the sea. Throughout the corridors, paths will be constructed for the vulnerable road user who in this way not only comes into contact with the beach but also gets to know the beautiful hinterland. One of the 6 corridors that we have designed to make the city more fordable, more biodiverse and more liveable is the residential corridor. This corridor was created by connecting existing open spaces in the urban fabric. In order to make the connection with the hinterland, the system of forestscapes has been extended to the sea. Each forestscape has its own vegetation and function. They are connected by the soft road and provide a fascinating and varied landscape. One of these parts is the dune belt, its connection to the sea is an important intervention in our project.

Currently, the sea is difficult to access publicly due to the privatization of large parts of the beach. In addition, the beach strip currently has no added value for biodiversity. Therefore we propose to construct natural dunes along the ecological corridors. These are connected with the ecosystem of the hinterland and prevent the uprooting of the dunes. In the sea we work with a system of coastbusters. By creating a sustainable structure in the water, a real sea forest can be created. This forest increases the biodiversity in the sea area but also creates a productive mussel and oyster farm. In addition, the sea forest also acts as a breakwater. This will reduce erosion of the beach and in the future, when the sea level rises, it will reduce the intensity of the waves.

Due to the rise of the sea level, many houses will flood. By reinforcing the foundations of the existing houses and turning them into stilt houses, we want to ensure that they can still be used. The stilt houses have access via a path that is built at height. By strengthening the foundation, an extra floor can be built in a wooden construction to compensate for the loss of the ground floor. The foundations of the houses become part of the sea forest because they also provide a home for mussels, oysters and other sea life.





FINDE AND

INDUSTR

EVOLUTION CITY For a long sime Rimits has smallered within de walks of the add Coty context. It suary until Rimits has made destination that the ray begon tag work. The regarded first missiple and use with a couple of things maching the the interferent Add First Thinks and the generated exponentially.

556 CT

BIODIVERSITY

Rimini is not doing well in terms of biod/versity. Over the entire coast, Rimini is given a score of 0 on a scale of 5. This score applies to the entire urban tablic with the exception of the Maracchie volley which scores a poor 2 out of 5.



AGRICULTUR

STRUCTURE PLAN

In Rimsi, the structure are cell dominicated by the cor. This makes getting around in Rimsin less attochine the first values rable read stars. In our design, we loaked for a dara roundures that the oby most deadle for soft that while some certain the bits interested. That are drawn to make is the addition of 4 more train stops along the oxatiles. This will allow towing to get influed and more easily through the oxatil train.



1978
10
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0</td

CONCEPT

To protect the city against clinicis change and largeove the quality of life, it is important that the city is monnected with the headback and all is advantages. By allowing constor into the city, parse is being constol in the density builty city. There grees uses of the heidback the final back the biodiventity and productively on times, it also contexp paragraphic paragraphic terms of the effective the heidback and on right horizon.







