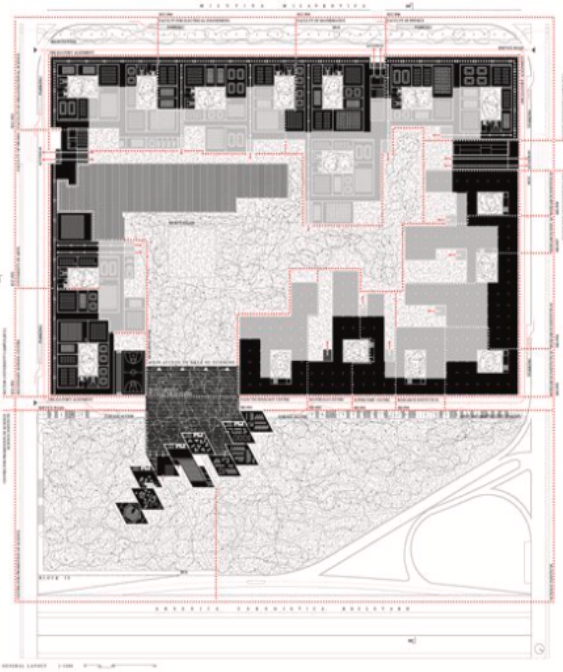
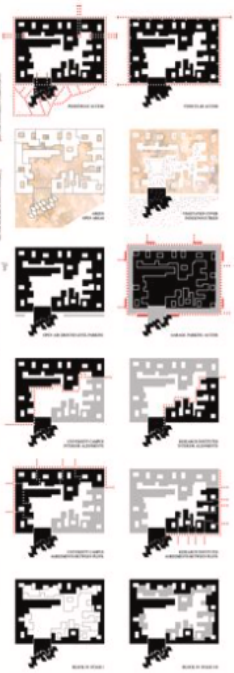
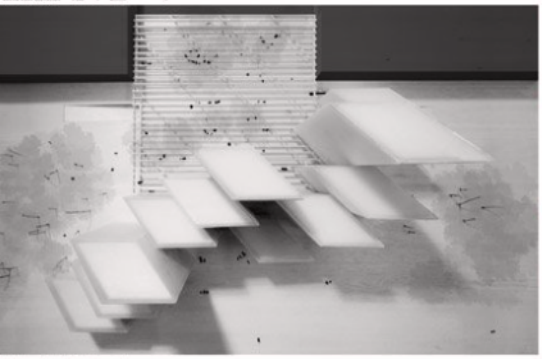






A door opened to the future

Once established the need of a big scale intervention whose scale makes it identifiable from the Ansonija Cartesjevica Boulevard, we consider essential to join the strengths of both, the CIPOS and The Science Centre to create a grand urban event. Being the competition an attempt to locate Belgrade as a modern European city, the new centre must become an icon, a "door opened to the future" shown to the visitors in their access to Belgrade along the motorway E75. The crystalline volumes intend to show the science as pure and open knowledge, as it reminds us how its study can lead to a more elevated world, a space close to sky heavens. No human compact is greater than height! We imagine huge quartz glasses projecting light to space as a representation of the scientific world.

Together but detached

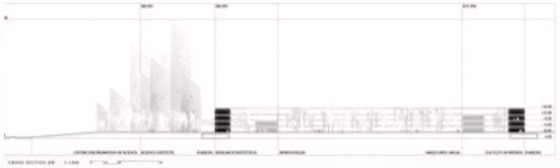
The brief proposes the Science Institute's tower as the image representing the project. In our understanding this is not totally logical, and we propose instead to split the program in eleven smaller towers. Oh, sun Gossignano! The volumes lay and connect to each other to house inside a series of spaces with no structural barriers if required. We avoid therefore the problem of how much we can build now and when will be extended. As a series it can be extended, modified at any time even after its completion, allowing interchanges between the two programs according to their own expansion.The geometry is generated in plan by squares deformed by the movement of cars. The volumes step back to show their gable to the motorway, as a sensitive response to the access to the city like welcoming visitors. This kinetic appearance produces different perception of the project from every side. The volumes are sharp to northwest and southeast and flat to northeast and southwest, showing an always changing image swinging between unity and fragment. There are not two equal sides.

The Science garden

We understand the science garden asked for in the brief as a cross between nature and construction, being some sort of waiting room. Our proposal incorporates a big concrete pergola as a protection against sun and rain, where different uses can be combined. Exhibition areas with meeting points, landscaped areas with circulation. Its location makes it a quiet place, far from the motorway. The size of the plot is tested by pedestrian paths and will welcome the recuperation of most existing trees.

About the construction

The organization of the program in height allows a vertical circulation with mechanical means. Exhibitions are located in the first 5 floors and are separated in different rooms to different themes. Mechanical stairs will reinforce the link between them. Science club and offices will occupy smaller spaces in the highest volume, which will be covered by a restaurant at 96 meters above ground opened out to the views of Belgrade. The towers are also tubular structures laying to each other and built with thin gray concrete walls where gaps for lightest cut out from when needed. The structure is covered by a laminated glass screen forming a ventilated and insulated facade which uses the sun's radiation to provide a fin selective translucent sunscreen according to the different seasons. Technical rooms are located underground to accommodate ground source heat pumps.



The great Science house

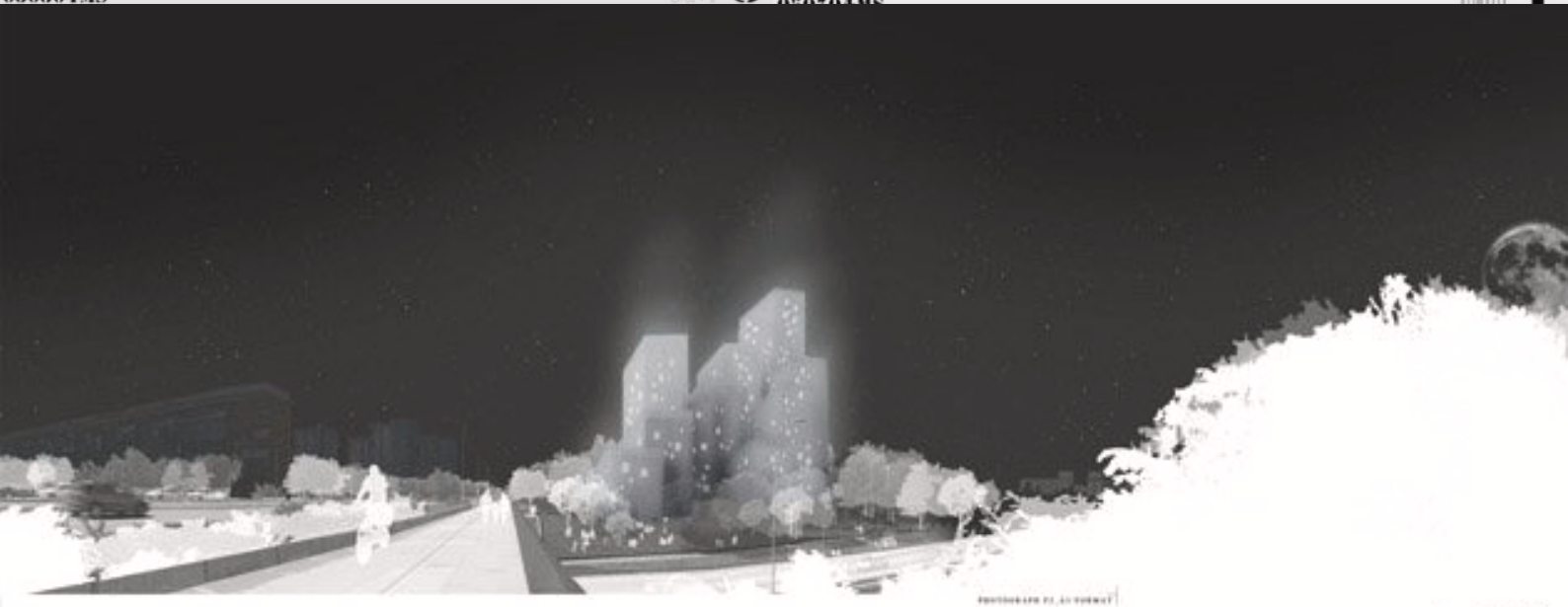
The Block 39 must be a singular space. Our proposal is a counter point to the former layout which was a recipient of the CIOSE congresses, developed as big roads superimposed to free standing volumes of varied typologies. The New Campus of Arts and Science is therefore perceived as one unifying gesture. Institutes, investigation centres and facilities are subordinated to the higher need of a large space representative of the main centre for the science in Eastern Europe.
This big scale gesture is a building formed by many buildings which will be identifiable from the surrounding roads so as from the air, the ensemble defines itself a limit integrating a free and open space. External and Internal, Unity and freedom are fused together for a first time in the new Belgrade.

Identifiable community

Contrasting this low unifying landscaped volume the CIPOS and the science institute bear a symbolic function as a gate to this great institution. In the way to be a leading institution in Europe it must find its own personality and be able to express it to the world.
This is a fantastic opportunity to bring new enthusiasm to Belgrade through fresh and innovative ideas. That is why we propose to join efforts in one single operation unifying the whole brief in a "city within a city".

Whole and Parts

A modern university must be a meeting point where professors, students and administrative exchange ideas in the way of a cooperative community. University should imply diversity or will fail from the start. In another hand it is important to reclaim the symbolic almost sacred character of such built environment.
Unity and singularity, different individuals and buildings with different particularities united under a superior order. Therefore investigation and education will reflect here a double significance, the complex and very specific labour pursued in each building and the human and professional multiplicity and synergies result of the the unique scientific centrality.

University and Companies

A high adaptability is necessary in answer to the increasing demand for changing technologies, industrial methods and communication means. Both academic and professional worlds must generate a modern concept of university, not only generated in the classrooms, but also in the subsequent professional practice in companies or investigation field.
We want to form many realities in one action: University and companies, public and private, education and practice, from the understanding that they complement each other and guarantee a complete training.