

Graduation Plan

Master of Science Architecture, Urbanism & Building Sciences



Graduation Plan: All tracks

Personal information	
Name	Armance Marie Aurore COPPOOLSE
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Studio	
Name / Theme	Complex Projects
Main mentor	Olindo Caso Architecture
Second mentor	Rico Heykant Building technology
Third mentor	Martin Grech Architecture
Argumentation of choice of the studio	Complex projects offers have an innovative approach to designing. This is encouraged through the group lens, which adds to the complexity of the design. The cross-scale research urban, architectural and human scale gives a deeper understanding of the problematic the design could contribute in solving. The work through a group strategy and seminars adds broader perspectives to the individual work. This combination of deep as well as broad research allows the understanding of the building complexity in it's entirety. The challenge of the studio mainly lies into simplifying this complexity in a digestibly presentable way without omitting the key elements of the design.

Graduation project	
Title of the graduation project	Zwischenspiel a co-creation space for opera production
Goal	
Location:	Berlin
The posed problem	Berlin can be considered a capital of opera hosting more than 16 000 opera performances every year. There is however a discrepancy between Berlins young population and the attendance of opera performance by an older age group. In addition, an overall decline audience can be observed. This is due to the obsolescence of opera pieces, mostly written in the 18 th and 19 th century. To update the art form, the composition of new opera's should be stimulated. In recent years, this has been done through data-driven co-creation. This new approach to opera production needs space to develop. Zwischenspiel (Interlude in German) will enable this transition as a building for co-creation space for opera production.
research questions and	How can Berlin offer an innovative opera production space which stimulates data-driven co-creation ?
design assignment in which these result.	The assignment consists in designing a space for opera composition and performance which offers digital tools enabling co-creation with supporting data use and storage.

Process

Method description

The design assignment is structured in three sections : client, site and program.

For the client, a literature review will be carried out to assess the potential funding programs the European commission and the Berlin Senate could support the project. Therefore, the prior project TRACTION funded by the European Commission will be studied. The digital tools developed during this project will be translated into a spatial key element of the building. Suited partners will be chosen to support this digital aspect of the building, which will integrate its own data storage as a response to the group strategy. The building aims to have an educational purpose, which asks for a literature and location study of suited music schools for collaboration.

For the site selection, the selected music schools will be taken into consideration. Context analysis of existing opera houses will determine the two other typology specific site criteria. Mapping and site visit will then determine the site selection according to those three criteria while responding to the group requirements. The site itself will be studied in order to determine the suited plot.

For the program, the sequence of existing opera houses will be studied. Benchmarking will determine the program distribution. The potential flexibility of the music theaters will be explored through case studies. These flexible theaters will give space to opera production to freely development as a co-created art form. The result will be integrated into the program bar, which will be developed and defined in area and sequence. The three key elements (data lobby, co-creation space and flexible theaters) will be studied in massing, which will lead a final program proposal.

Literature and general practical references

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Reflection

1. What is the relation between your graduation (project) topic, the studio topic (if applicable), your master track (A,U,BT,LA,MBE), and your master programme (MSc AUBS)?

Zwischenspiel aims to become a space enabling opera production through data-driven co-creation.

This entails how a building can enable the interaction of bodies through digital tools to update opera in Berlin as a young city. The graduation project topic is therefore directly related to the studio theme 'Bodies, Buildings, Berlin' as well as the group lens 'digitalization'.

The master programme architecture emphasises on an innovative approach to building designing while taking into account the possible site specific societal impact. This same approach is used in Zwischenspiel.

2. What is the relevance of your graduation work in the larger social, professional and scientific framework.

Opera as a multidisciplinary art form, is now often viewed as archaic. Creating digital tools to support co-creation can offer a feeling of empowerment, self-expression and community. More young people can discover this art form and give them the opportunity to participate to the production of opera's as an visitor, amateur or professional. This collaboration between professionals and non-professionals can foster a sense of community while making art more accessible. The use of digital tools contributes to raising data-awareness alongside reaching a broader audience. Reinventing opera this way can lead to broader societal changes.