



WATER EVER

DESIGNING
WITH WATER
CHALLENGES

CHAIR OF ARCHITECTURAL
DESIGN AND PARTICIPATION

PROF. FRANCIS KÉRÉ

GENERAL MASTER'S THESIS
WINTER SEMESTER 2024/25

WATER EVER

THE GENERAL MASTER'S THESIS IN WINTER SEMESTER 2024/25 FOCUSES ON DESIGNING WITH WATER CHALLENGES AT THE CORE.

THE INCREASING FREQUENCY OF EXTREME WATER-RELATED CONDITIONS, SUCH AS DROUGHT OR FLOODING, ALONG WITH THEIR GEOGRAPHIC, SOCIAL, AND ECONOMIC IMPACTS, HIGHLIGHTS THE FRAGILITY OF OUR LIVING AND BUILT ENVIRONMENTS. EACH PROJECT WILL ADDRESS A PARTICULAR WATER ISSUE: SCARCITY, EXCESS, OR BOTH, IN A SITE WHERE YOU HAVE PERSONAL INSIGHTS OR RESEARCH INTEREST.

WE AIM TO CONFRONT THE URGENT GLOBAL ISSUE OF EXTREME WEATHER CONDITIONS, WHICH GIVE RISE TO THE DUAL CHALLENGES OF DROUGHT AND FLOODING.

AS AN INCREASING NUMBER OF REGIONS GRAPPLE WITH THE RAMIFICATIONS OF DROUGHT, OUR PRIMARY FOCUS WILL CENTRE ON DESIGNING SOLUTIONS TO COMBAT THIS MULTIFACETED PREDICAMENT ON BOTH THE SCALES OF LANDSCAPE AND ARCHITECTURE.

OSCILLATING BETWEEN PROLONGED DROUGHTS AND SUDDEN DELUGES, OUR WORLD GRAPPLES WITH UNPRECEDENTED CLIMATIC CHALLENGES.

THESE DISRUPTIONS DEVASTATE DIVERSE REGIONS, UNDERSCORING THE URGENT NEED FOR INNOVATIVE AND COLLABORATIVE SOLUTIONS.

BY UNITING SCIENTIFIC ADVANCEMENTS, POLICY INITIATIVES, AND GLOBAL COMMITMENT, WE AIM TO FORGE A RESILIENT PATH FORWARD.

AS WE CONFRONT THESE CLIMATIC ANOMALIES HEAD-ON, WE ASPIRE TO CREATE A FUTURE WHERE EXTREME WEATHER IS MET WITH UNWAVERING RESOLVE, THROUGH DESIGN APPROACHES WHERE THE COLLECTIVE IMPORTANCE OF WATER TRANSLATES INTO ARCHITECTURE.

PROJECTS OF THE CHAIR OF ARCHITECTURAL DESIGN AND PARTICIPATION DEVELOP A SENSIBILITY TO CONTEXTUAL FACTORS FROM WHICH INVENTION CAN ARISE.

CONCEPTUAL THINKING COMBINES WITH A HANDS-ON APPROACH FOR SITE-SPECIFIC SOLUTIONS. UNDERSTANDING THE NEEDS OF THE COMMUNITY WE ARE PLANNING FOR IS KEY TO DEVELOPING A STRONG PROGRAM RELATED TO THE SPECIFICITIES OF PLACE.

GENERAL INFORMATION

THE GENERAL MASTER'S THESIS WILL START WITH THE "METHODISCHE ENTWICKLUNG VON FORSCHUNGSFRAGEN." THEREFORE, YOU WILL DECIDE ON A SITE WITH A RESPECTIVE WATER CHALLENGE AND BEGIN YOUR INTENSE RESEARCH, WHICH WILL BE ONGOING UNTIL THE SUBMISSION OF YOUR THESIS. THE SELECTION IS KEY; THAT'S WHY WE PROPOSE SELECTING A PLACE THAT YOU KNOW VERY WELL, A PLACE THAT YOU HAVE ALREADY VISITED OR WILL BE VISITING DURING THE THESIS PERIOD, A PLACE THAT HAS ALREADY CAUGHT YOUR INTEREST, OR A PLACE THAT FASCINATES YOU.

ADDITIONALLY THE RESEARCH INCLUDES EXISTING SOLUTIONS SUCH AS FOG HARVESTING, PROJECTS RETAINING WATER TO REVITALIZE ARID AREAS, SPONGE CITY DESIGNS, AND WATER INTEGRATION IN ARCHITECTURE AS A COMMUNITY RESOURCE.

YOU WILL DEVELOP YOUR DESIGN IN THE SPECIFIC SITE OF YOUR CHOICE THROUGH PROGRAM, DRAWINGS, MODELS AND NECESSARY MATERIAL FOR COMMUNICATING YOUR PROJECT.

YOU CAN DECIDE WHETHER YOU WOULD LIKE TO WORK INDIVIDUALLY ON YOUR THESIS OR IN A TEAM OF A MAXIMUM OF TWO CANDIDATES. QUESTIONS WILL BE CLARIFIED DURING OUR KICK-OFF MEETING.

WORK MODE

INDIVIDUAL OR TEAM OF TWO

KICK OFF + METHODISCHE ENTWICKLUNG VON FORSCHUNGSFRAGEN

01.10.2024 | 14:00 - 17:00 [VIA ZOOM] <https://tum-conf.zoom.us/j/91028497708?pwd=ZHRlekVQbHNGNGxpeltpBcVdOTGJlZz09>

[LINK](#) ID: 910 2849 7708

PSC: 633295

RESEARCH PRESENTATION

15.10. & 16.10.2024 [R.3356]

REVIEWS WITH PROF. KÉRÉ

DATES OF THE THREE MEETINGS WILL BE ANNOUNCED

SUBMISSION GENERAL MASTER'S THESIS

03.03.2025

COLLOQUIUM

07.04. - 11.04.2025 [IMMATHALLE]