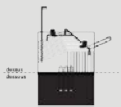


# International Master

## Toward Territorial Transition



**ART**



**PUBLIC  
FUNDING**



**NETWORK**



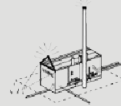
**WORKSHOPS**



**DRIVE-IN**



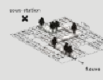
**HINTERLAND**



**ICONE**



**STOCKER**



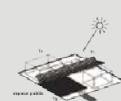
**GREEN  
INFRASTRUCTURE**



**COMPATIBILITY**



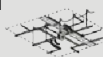
**BIENNALE**



**OPTIMISATION  
+1**



**SOIL  
RENATURATION**



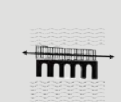
**NODES**



**WILD**



**?**



**INFRASTRUCTURE**



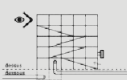
**NATURE  
INVASION**



**COVID  
FRIENDLY**



**TRANSHUMANCE**



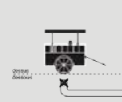
**TEMPORARY**



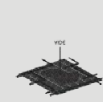
**PEDAGOGICAL  
PATH**



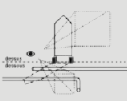
**RUN-OFF**



**STREET FOOD**



**VOID**



**LANDSCAPE  
FRAMING**



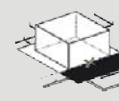
**HOLLOW**



**RAVE-PARTY**



**PLAYGROUND**



**OPTIMISATION  
+1**



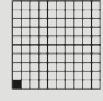
**PATTERN**



**MAKE-IT**



**PLATFORM**



**FALLOWLAND**



**COLLABORATIVE  
PLATFORM**



**FRINGE**



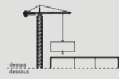
**PERMA-CULTURE**



**WORKSHOPS**



**NEUTRAL/  
EXCEPTION**



**NEW  
FABRICATION**

# Territorial transition

Defined as a process within the phenomenon of the climate crisis, Territorial Transition is an urgent deal of our time. An elastic path in scale and time that should have started decades ago will conclude once, as part of the biosphere, we will be a zero-carbon society.

Transition needs a metric for evaluating its progress, a unit capable of addressing it. Although, as architects and planners, our unit of measure has always been space, we need to implement multiple dimensions, such as time, carbon emission, resource usage, and biodiversity. Notably, the territorial transition requires designers to approach unprecedented scales and systems, such as cross-national regions and ecosystem structures, and develop a measurable reconfiguration strategy. A method that explores strategies

across scales and disciplines, a critical reading of territories that begins from their visible parts towards their invisible ones, analyzing present and future relations.

The territorial transition represents an approach towards the terrestrial problems of the present and the future, research about territorial possibilities using climate and natural scenarios as field-game for experimental design.

The master can be considered as an approach towards the environmental problems of our time, a research about territorial possibilities using climate scenarios as field-game for experimental design and reinventing conditions for new hybrid territories where nature, cities and progress are no longer in conflict.

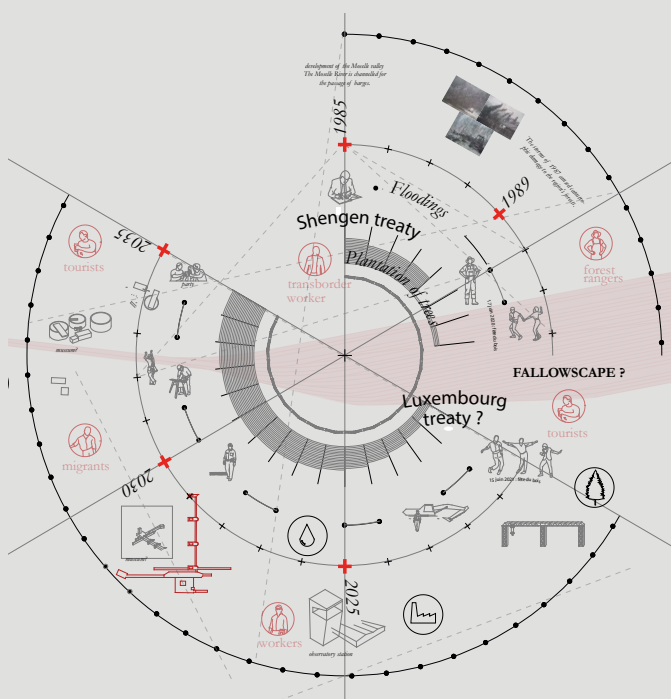


Fig.2

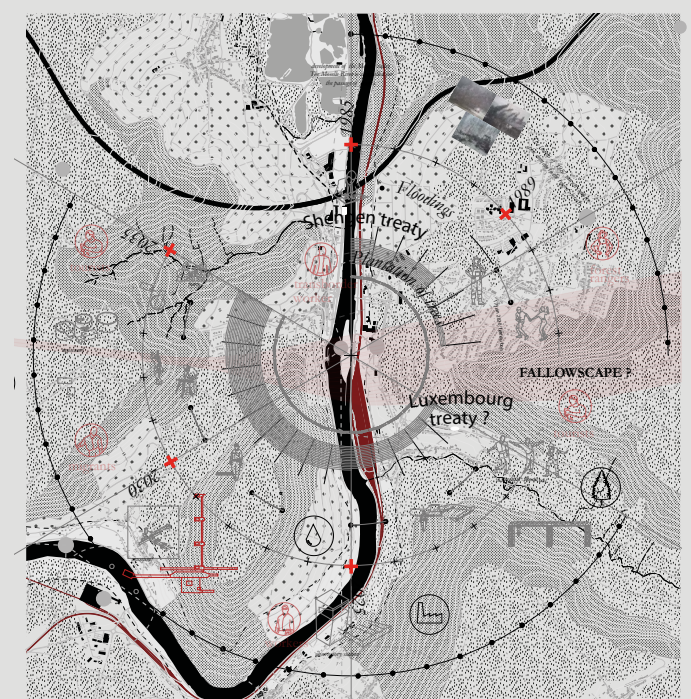


Fig.3

# International Master

Entitled «Toward territorial transition», the International master focuses on the themes of metropolitanization and urban ecology, two main research and design axis of our school. Entirely in English and open to the disciplines and excellence of the ENSA Versailles and its partners, it is also original in its structure for its adaptability. The International master's programme indeed welcomes diverse horizons students and offers great opportunities for mobilities and diplomas.

Four types of pedagogical paths are indeed organised. 1/ French students involved in a French-Chinese double master degree "Architect-Urbanist" with the famous CAUP-Tongji University in Shanghai. 2/ French students willing to seize diverse Erasmus or international program exchanges opportunities. It is to note that students involved in the miv-TTT have preblocked exchanges with our partners and the priority on ENSA Versailles' exchanges compared to common cursus students. 3/ Chinese students involved in the French-Chinese double master degree. 4/ International students welcomed at ENSA Versailles for one semester or one year.

The French-Chinese double master programme is limited to 12 students (6 French and 6 Chinese).

The miv-TTT welcomes in total 20 students.

For French students involved in the miv-TTT, after a selection based on Bachelor results, motivation and proficiency in English, the curriculum is organised into 2 to 3 years: first year at the ENSA Versailles, second year abroad (one full year or one semester depending of the cases), or reverse, third year back to Versailles for the completion of a final diploma in one semester. During or in between second and third year, students are helped to find an international and/or research internship of minimum 3 mon-ths. As a result, students obtain:

- \_ a French Architecture diploma with an optional research mention,
- \_ and a double master "Architect-Urbanist" with the CAUP-Tongji for those involved in this specific miv-TTT option.

It is to note that the development of other double master degrees as "Architect-Urbanist" and "Architect-Landscape architect" are in progress with our partners and new partnerships are explored.



Fig.4



Fig.5

# Educational objectives

«The International Master's program provides students tools and methods to answer significant and urgent contemporary questions such as:

How to explore new ideas about city design, management, and planning to call for more radical thinking in the face of an environmental crisis?

How to meet the colossal demographic and ecological challenges? How to question the idea of utopia and avoid dystopia?

How to analyze territories and the systemic interrelations between nature, water, food, energy, pollution and economy?

How to acquire a theoretical urban culture, tackle the operational dimension of urban planning?

Reflection on these topics will enable students to learn how to interrogate a spatial context at different scales, to problematize an issue

through an interdisciplinary approach, and at the same time to evaluate hypotheses for

strategies. In addition, students will learn how to analyze numerous case studies of design material critically, how to spatialize complex systems, grasp their interoperability at different scales, and at the same time, design their temporal dynamics. Finally, the interweaving of knowledge and design experiments will enable students to create a personal connection and relationship between disciplines and work on various modes of representation to design and communicate their ideas. The analysis of territories is done by discovering different fields and tools that are new to the students and that they will find throughout the master's degree and their double curriculum: geographic, statistical, cartographic, political, urbanistic... which are brought together in site portraits, with an effort at graphic transcription to bring them closer to the architectural demonstration.

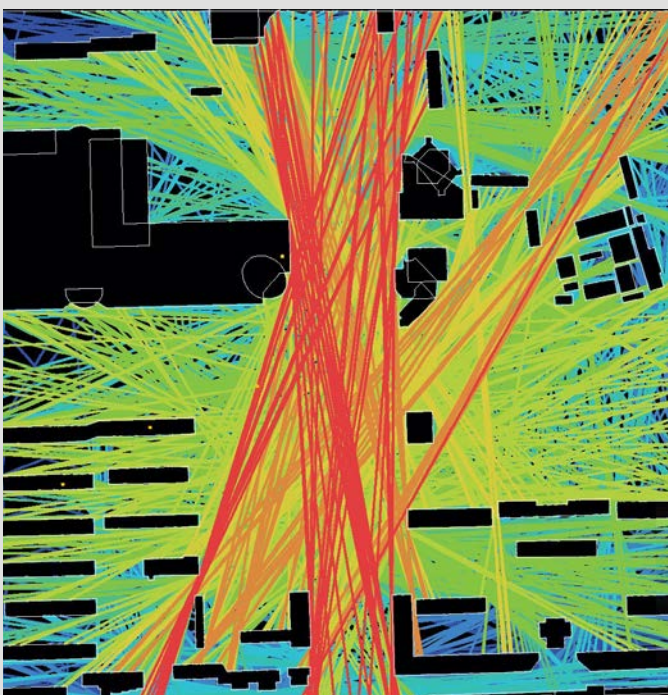


Fig.6

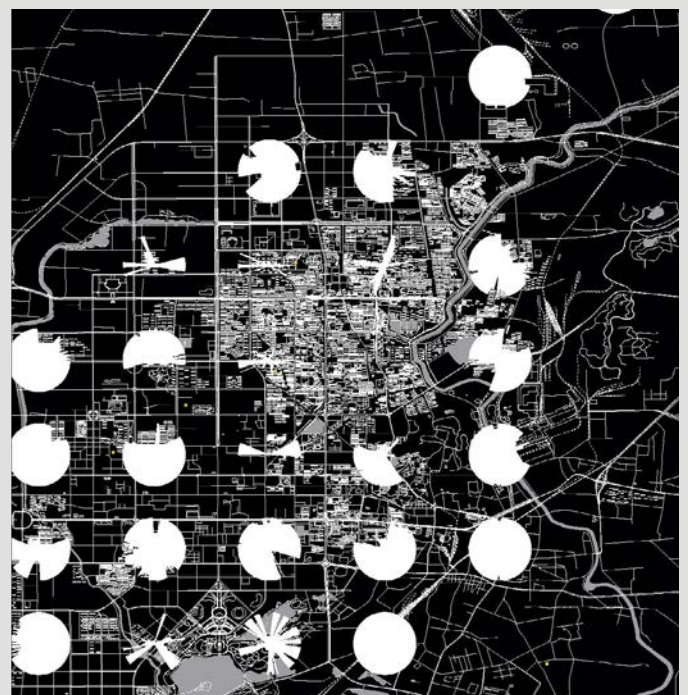


Fig.7

# Educational presentation

The International Master's program offers original and excellent courses full of educational opportunities.

Firstly, in the metropolitan Parisian context, the advantage of joining one of the most renowned French architecture schools - ÉNSA Versailles - and benefiting from its international attention and recognition.

Secondly, the opportunity to explore a unique characteristic of the school is notably deepened in the miv-TTT: the transversal and multi-scalar (from architecture to territories) design approach.

Thirdly, in addition to the interest in different fields (architecture, landscape, urban planning, hydrology, risk management, etc.) and scales, miv-TTT offers critical perspectives and a higher level of stimulation from contrasting approaches. It builds coherent bridges between academic, research, associative and profes-

sional processes. In particular, students are encouraged to develop personal fields of study

and practice due to their investigations. As future architects and citizens, they are encouraged to engage with prospective and essential issues.

Fourthly, an excellent opportunity to explore, through dynamic international studies and work experience in European and non-European contexts, both cultures and holistic design strategies and approaches to spatial transitions.

Fifthly, the chance of obtaining a double diploma in the field of Urbanism or Landscape, broadening critical and analysis perspective, and career opportunities at the end of the educational path.

Lastly, the Master allow to reconsider the interactions between systems and landscapes according to different scales, limits, time, and material, advocating for «territorial reconfiguration strategies ».



Fig.8



Fig.9

# Educational structure

1st  
Academic Year

or reverse

2nd  
Academic Year

3rd  
Academic Year

Fall  
semester

Project (P45) -  
Invisible metropolis  
*M.Armengaud*

or Project (P45) -  
(de) densification  
Learning from Asia , made in  
France  
*I.Taillandier* 16 ECTS

Common course (C1) -  
Construction law  
*A.Bussery* 2 ECTS

Research seminar (C45) - Ecolo-  
gical Cities: A new paradigm?  
*J.Boitard* 2 ECTS

Research seminar (C45) - Backs-  
tage of architectural firms  
*M.Paris* 2 ECTS

IR (Tool 1) - Context analysis  
and problem-design  
*E.Gascon* 5 ECTS

Intensive seminar (C45) -  
Density  
*I.Taillandier* 3 ECTS

Thesis research (M2) -  
Ecological territories in visio if  
student abroad or in 3rd year if  
2nd year is in Versailles instead  
of abroad  
*E.Gascon* 10 ECTS

Courses in foreign institutions  
same as for any mobility status

courses on environmental issues  
and on urbanism encouraged

20 ECTS

PFE  
with an optional mention  
recherche

22 ECTS

ENSAV  
Versailles

Project (P45) - Density and  
metropolis  
*A.Kofler and K.deRycke* 16 ECTS

International and/or  
research internship

8 ECTS

Thesis seminar (M1) - Ecolo-  
gical territories  
*I.Taillandier and E.Gascon* 10 ECTS

Thesis research (M2) -  
Ecological territories suite  
in visio if student abroad  
*E.Gascon*

Research seminar (C2A) -Learning  
from Asia : workshop abroad  
*I. Taillandier and E.Gascon* 2 ECTS

Research seminar (C2B) -  
Chinese culture and civilization  
*S. Boufflet.* 2 ECTS

Spring  
semester

# Bonus track

More than a traditional educational program, students in the miv-TTT participate in international workshops, exhibitions, research, and publications regularly conducted. In addition, the publications and exhibitions about students' works allow them to join a unique cultural environment and show their work and reflections to a broad audience.

More than a traditional teaching method relationship, students benefit from the assistance of a dedicated tutor that helps in making training and career path decisions. In addition to this formal guidance, the School alumni network would ensure and generate solid backing for graduates during their studies and future working environments.

More than traditional exchanges, students are offered opportunities to join international environments

during their Master's and to continue in those after graduation. Indeed, the program allows entering into a unique network and partnerships with foreign universities and architecture, urbanism, and landscape agencies around the globe. In addition, the ÉNSA Versailles cross-national environment, which has hosted and is hosting scholars and teachers from all over the world, facilitates the richness of the exchanges' proposition.

Lastly, the educational and network offer will increase over the following years, offering students a broad spectrum of possibilities.



Fig.10



Fig.11

# Structure adaptability

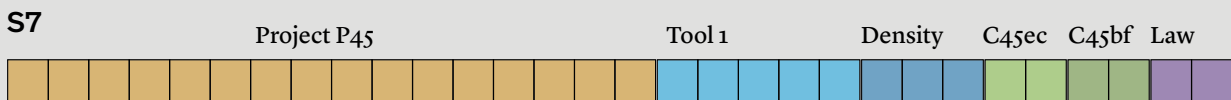
Given the broad flexibility of the program, due to the ramified educational offer, students can select among several educational paths.

Each of them differs in foreign institutions and diploma obtainment, following the Master's path adaptability.

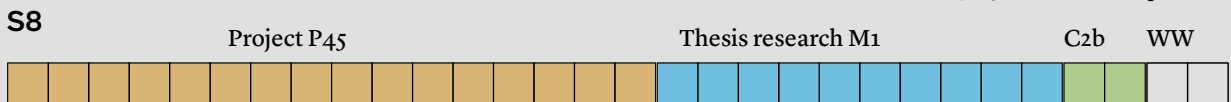
## Options 01 and 02

Option 01 : the 6 French M1 students at ÉNSA Versailles enrolled in the French-Chinese double Master's programme with CAUP-TONGJI (one full year at CAUP-Tongji in Shanghai). The thesis is then a master thesis directed by a Chinese teacher but with the support of the French teachers.

Option 02 : French M1 students at ÉNSA Versailles enrolled in erasmus/miscellaneous exchanges in M2



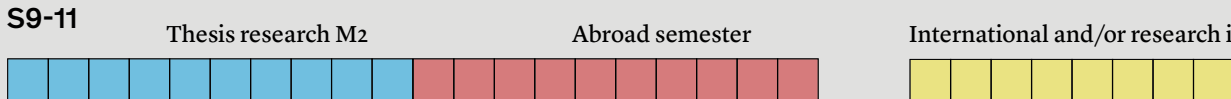
Overall S7 = 30 ECTS - 268 supervised hours



Overall S8 = 30 ECTS - 256 supervised hours

Overall M1 = 60 ECTS - 524 supervised hours

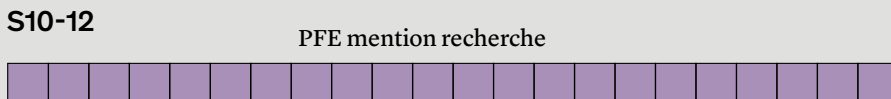
## M2 partly to be carried out abroad



Thesis research M2= 10 ECTS - 80 supervised hours

Abroad semester= 20 ECTS

Internship = 8 ECTS - 12 supervised hours



PFE mention recherche= 22 ECTS - 10 supervised hours

Overall S10-12 = 22 ECTS - 10h/students

Overall M2 = 60 ECTS - 524 supervised hours

## Options 03 and 04

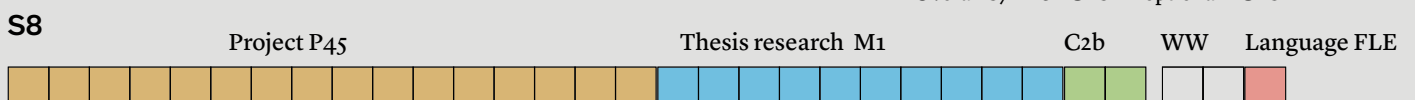
Option 03: the 6 international students of CAUP-Tongji enrolled in the double master

Option 04: international students on exchange at ÉNSA Versailles for 6 months or 1 year

Possibility to do 6 months in S7 or S8 or 1 year: S7+S8.



Overall S7 = 28 ECTS + 2 optional ECTS



Overall S8 = 28 ECTS + 2 optional ECTS

Overall M1 = 60 ECTS



# École nationale supérieure d'architecture Versailles

**Direction :**

TAILLANDIER Ingrid  
*taillandier@itar.fr*

ARMENGAUD Matthias  
*matthias-armengaud@awp.fr*

**Coordination :**

GASCON Emilie  
*gascon.emilie@gmail.com*

**Instructors :**

BELBACHIR S.  
BOITARD Julien  
BOUFFLET Stéphanie  
BUSSERY Anne  
DE RYCKE Klaas  
KOFLEK Andreas  
PARIS Magali

**Administrative contact:**

Paula Delprato  
*paula.delprato@versailles.archi.fr*

**Link :**

*[https://www.versailles.archi.fr/fr/  
international](https://www.versailles.archi.fr/fr/international)*

**Partner universities :**

Tongji University  
Oslo University  
ENSP Versailles  
TU Graz  
Karlsruhe University  
NUS Singapour

**In development partners :**

Weitzman School of Design Politecnico  
di Milano  
Harvard GSD  
Aoyama Gakuin University



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