

THÉO MARCHAL
ARCHITECTE DE / DOCTORANT / MCfA ENSAG

EXPLORING SOUND IN DESIGN, FROM
THE USE TO THE TOOL.

HARK! CRESSON IS 40

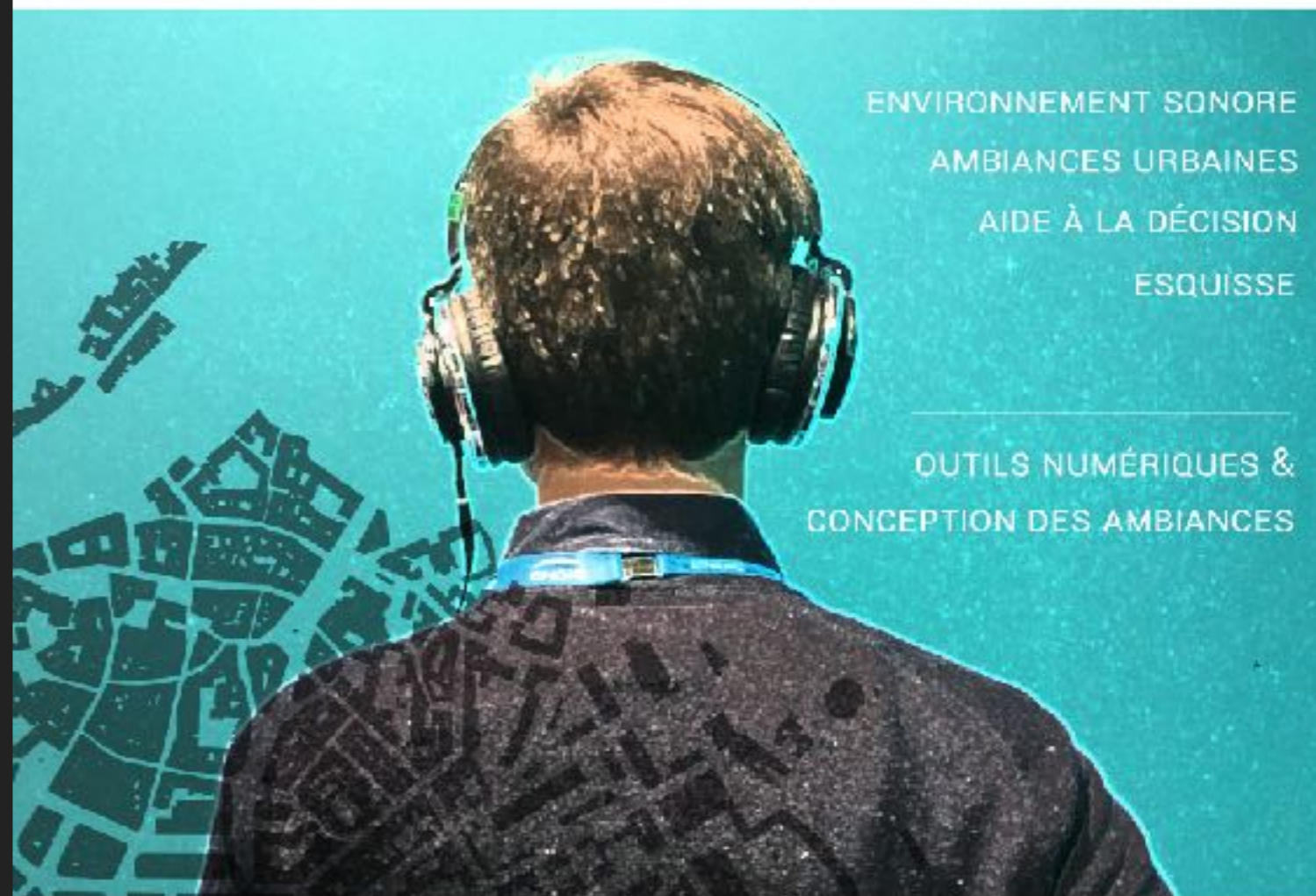


ambiances.net
| RÉSEAU INTERNATIONAL
INTERNATIONAL NETWORK |



Theo Marchal PHD thesis (in progress)
dir. Gregoire Chelkoff

ÉCOUTEZ EN DIRECT LE PROJET ARCHITECTURAL & URBAIN



ENVIRONNEMENT SONORE
AMBIANCES URBAINES
AIDE À LA DÉCISION
ESQUISSE

OUTILS NUMÉRIQUES &
CONCEPTION DES AMBIANCES

SOUND SKETCH

ESQUIS'SONS! A TOOL TO
DESIGN SPACE & SOUND



AAU
cresson
ambiances
architectures
urbanités

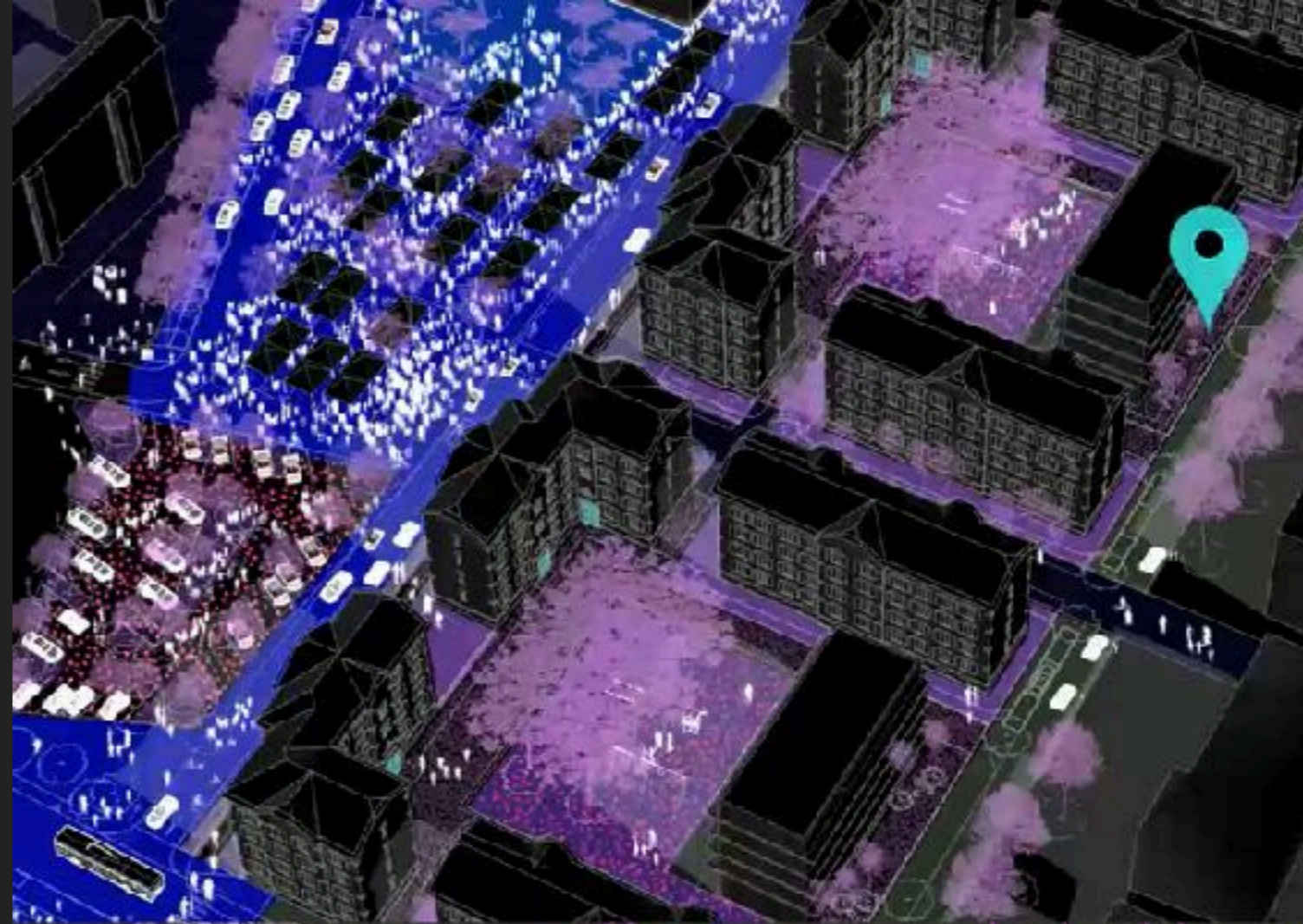


E
NS/
AG



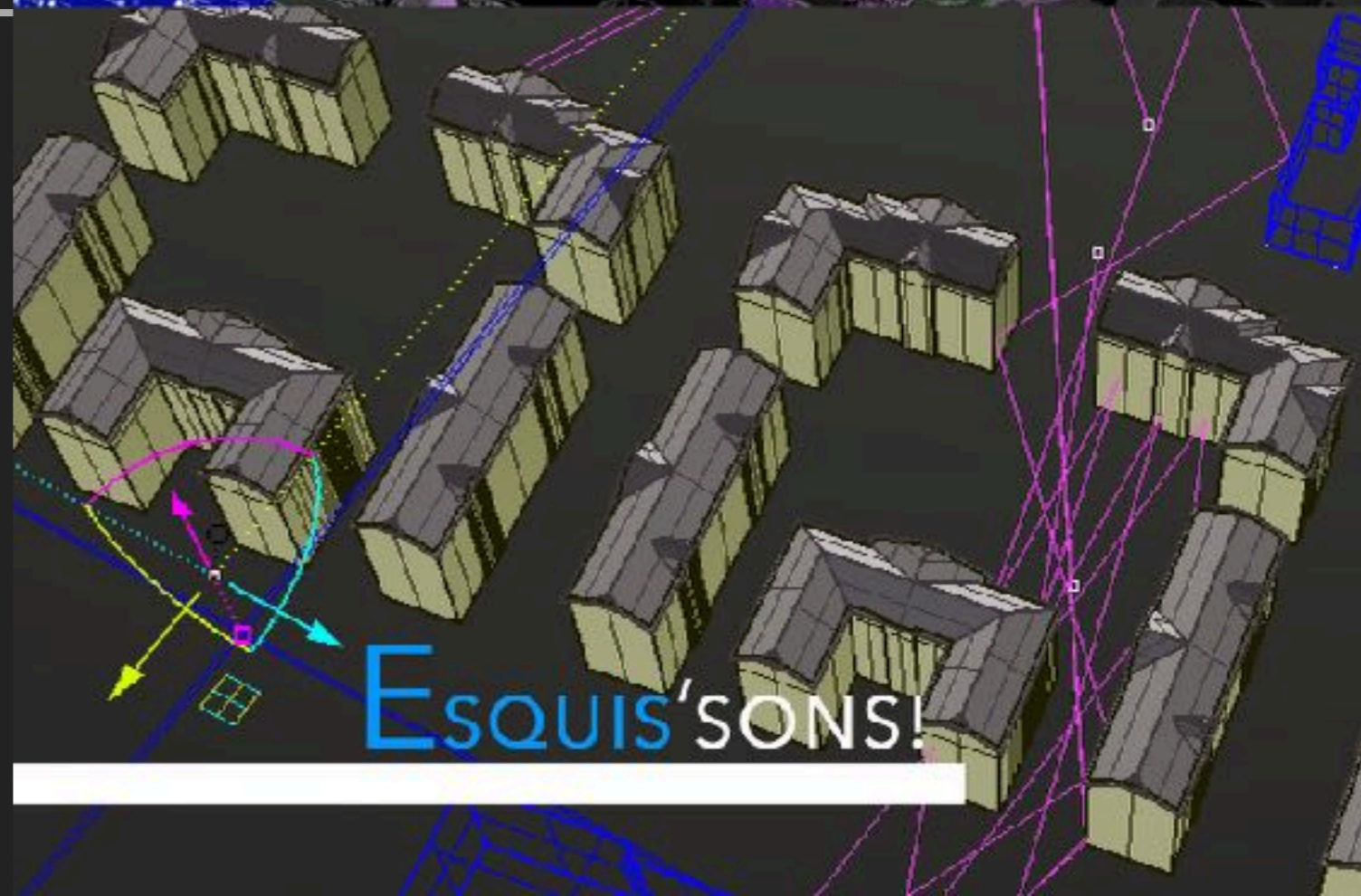
Esquis'Sons!
OUTIL D'AIDE À LA CONCEPTION
D'ENVIRONNEMENTS SONORES
PLUGIN RHOINOCEROS/GRASSHOPPER

Theo Marchal PHD thesis (in progress)
dir. Gregoire Chelkoff

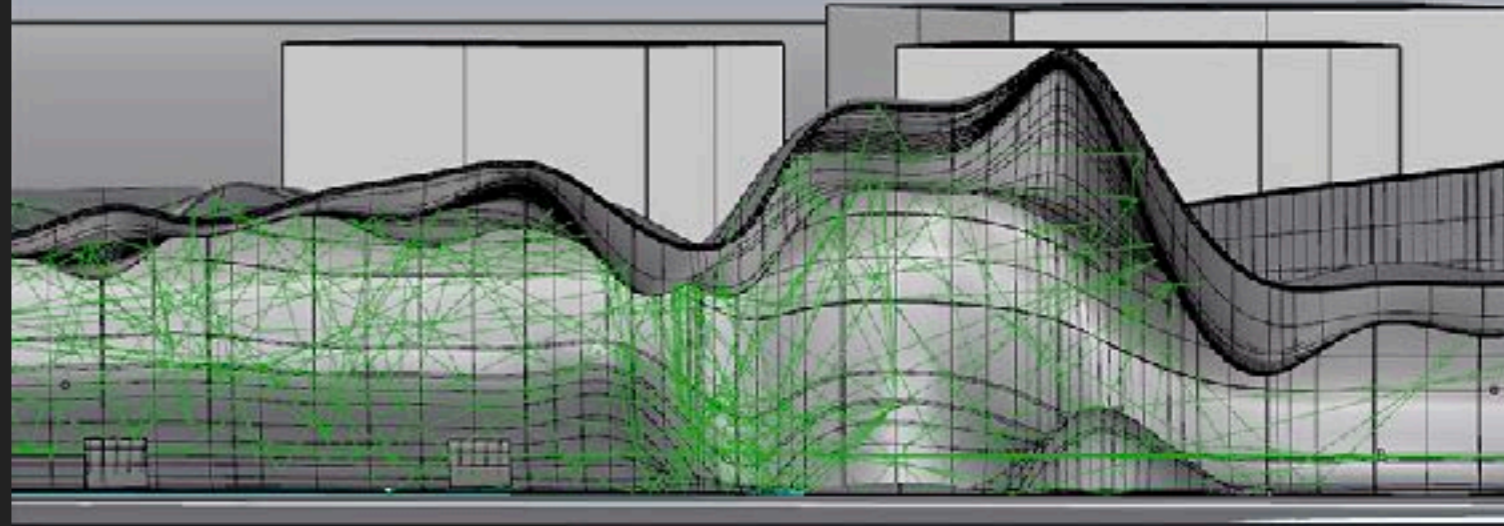


SKETCHING

SOUND IN THE EARLY
STAGES OF DESIGN



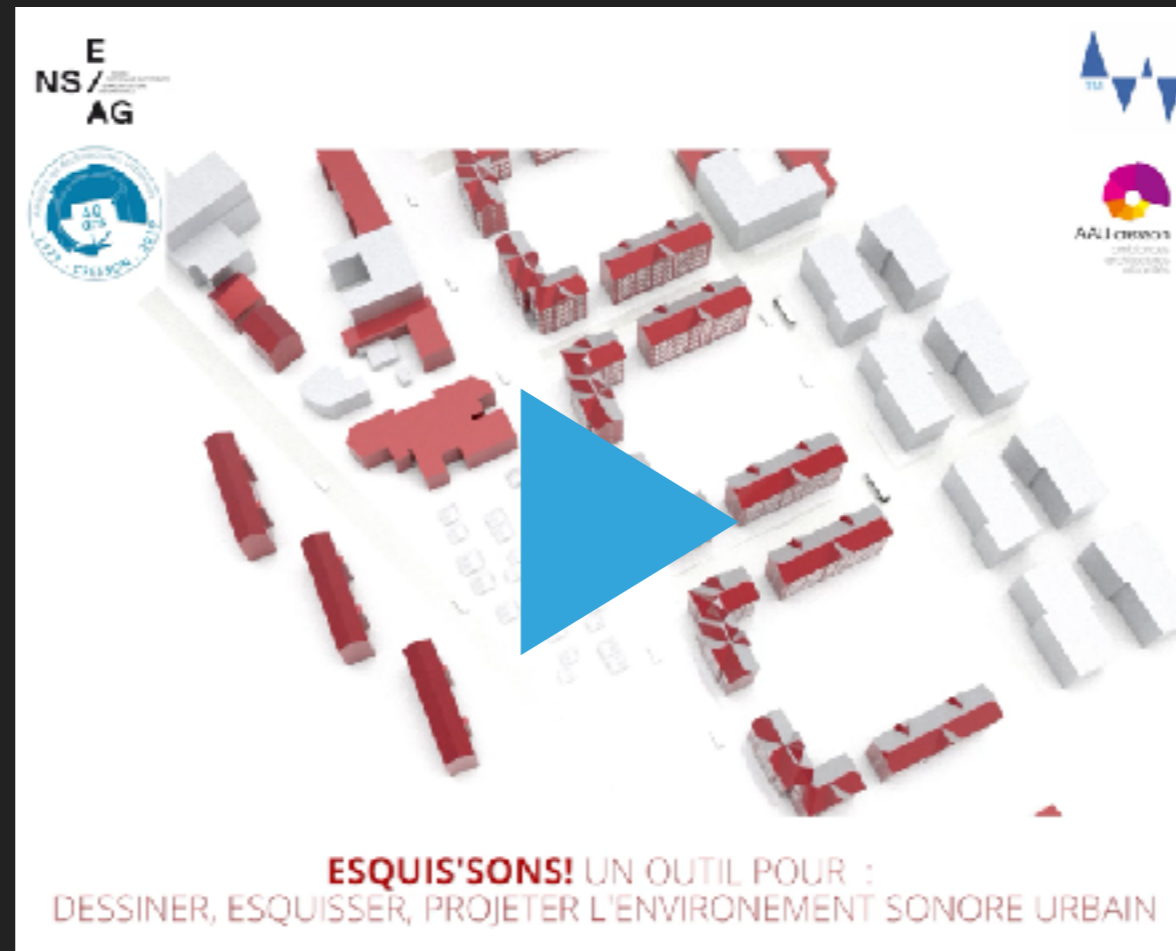
Theo Marchal PHD thesis (in progress)
dir. Gregoire Chelkoff



DIGITAL TOOLS

ITERATIVE AND
CONTINUOUS PROCESS

Theo Marchal PHD thesis (in progress)
dir. Gregoire Chelkoff



ESQUIS'SONS!

URBAN SCALE

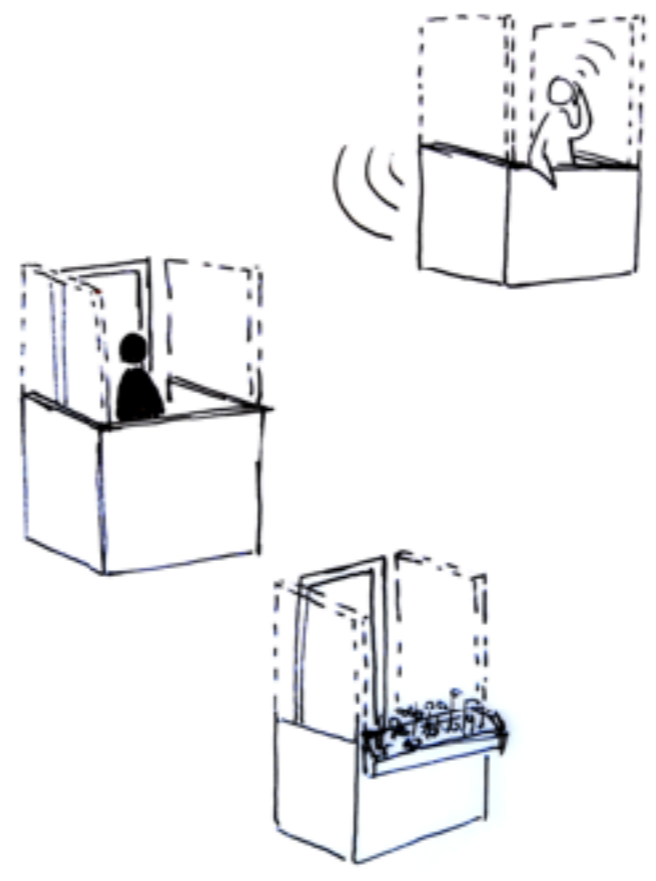
Theo Marchal PHD thesis (in progress)
dir. Gregoire Chelkoff



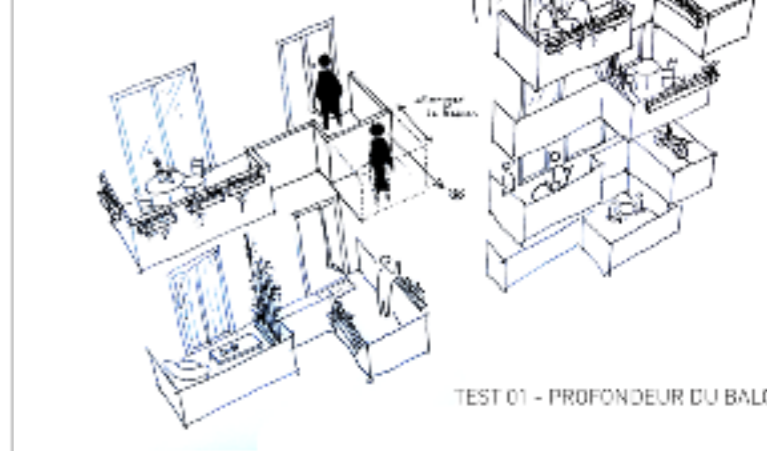
IMMERSIVE CHARACTERISTIC

ESQUISSEON'S
POTENTIALITIES

INTENTIONS, À L'EST
S'ISOLER DES BRUITS AMBIANTS



INTENTIONS, À L'OUEST
SE RASSOMER, OUVRIRE SUR LA VILLE



INTENTIONS, À L'OUEST
SE RASSOMER, OUVRIRE SUR LA VILLE



Theo Marchal PHD thesis (in progress)
dir. Gregoire Chelkoff

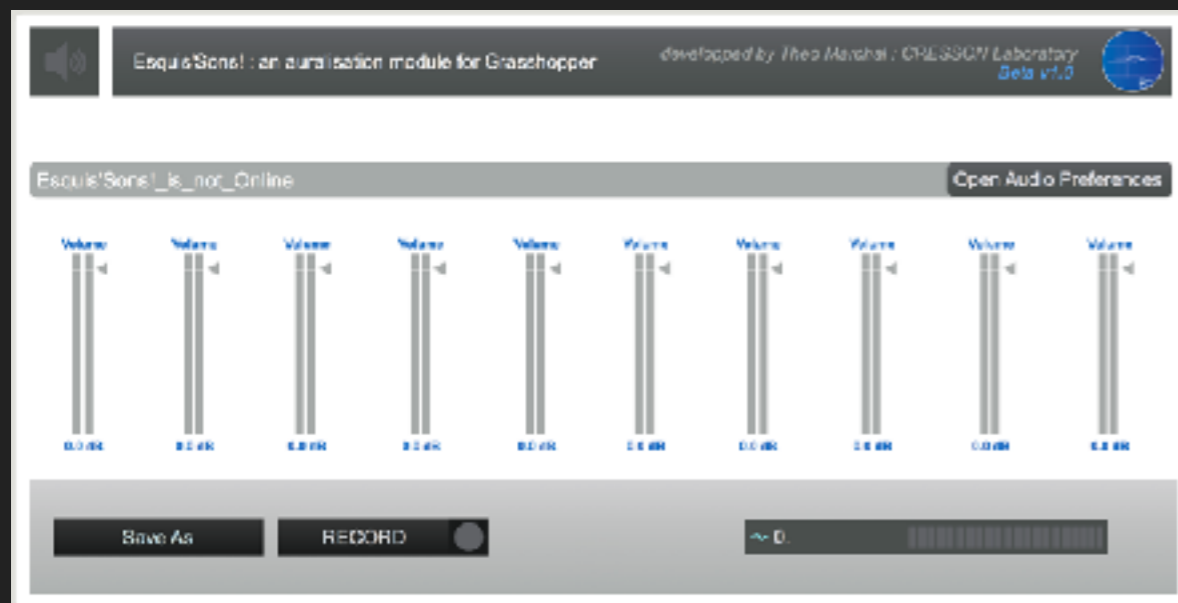
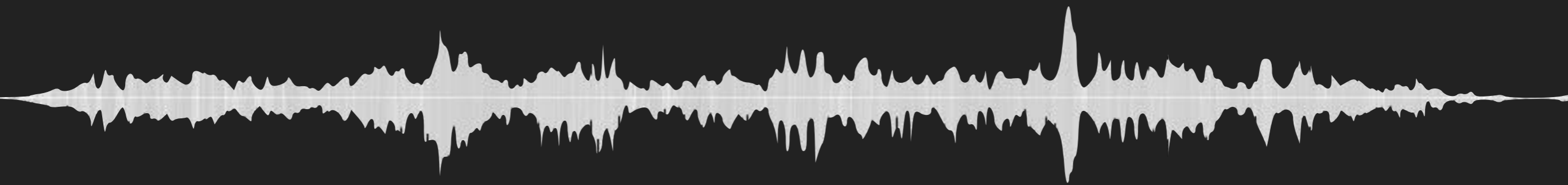
**GLOBAL DIMENSION :
THE URBAN SCOPE**

**SPECIFIC DIMENSION :
THE ARCHITECTURAL SCOPE**

**PARTICULAR DIMENSION :
BODY/« DEVICE » SCOPE**

**PLURI
DIMENSIONS**

ESQUISSON'S
POTENTIALITIES



TIME IN SPACE

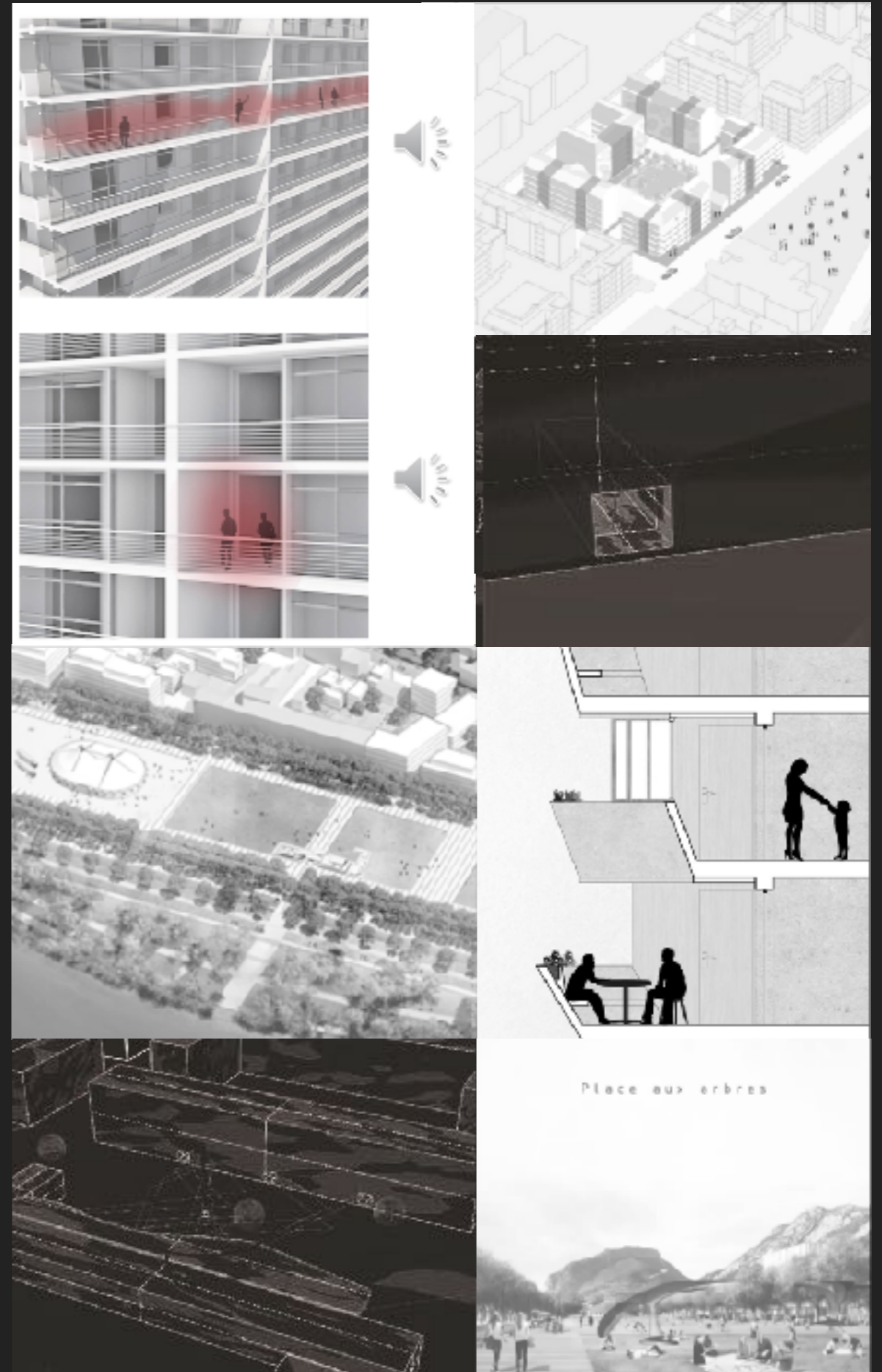
ESQUISSON'S
POTENTIALITIES

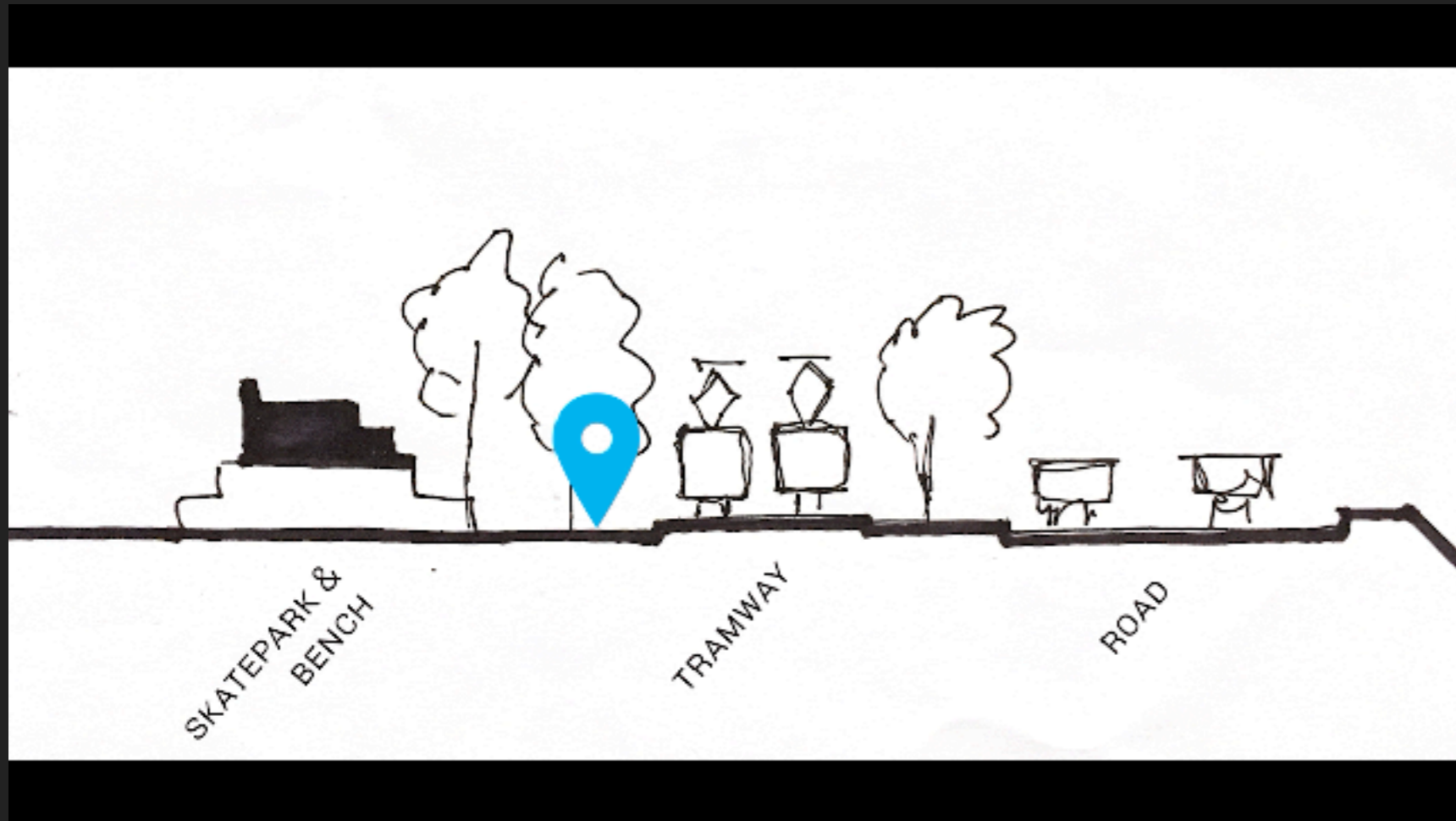
Theo Marchal PHD thesis (in progress)
dir. Gregoire Chelkoff

ARTICULATION
LIMIT
INCLUSION

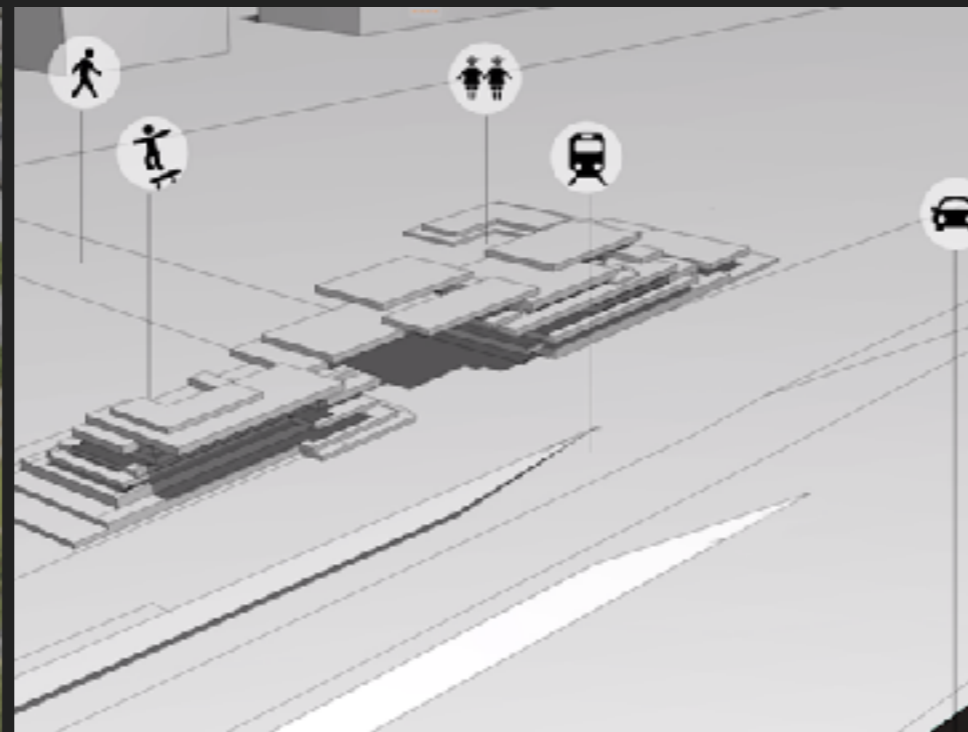
ARCHITECTURAL
SOUND PROTOTYPES
CATEGORIES

ESQUISSON'S
POTENTIALITIES





ARCHITECTURAL
SOUND PROTOTYPES
& ESQUISSESSONS



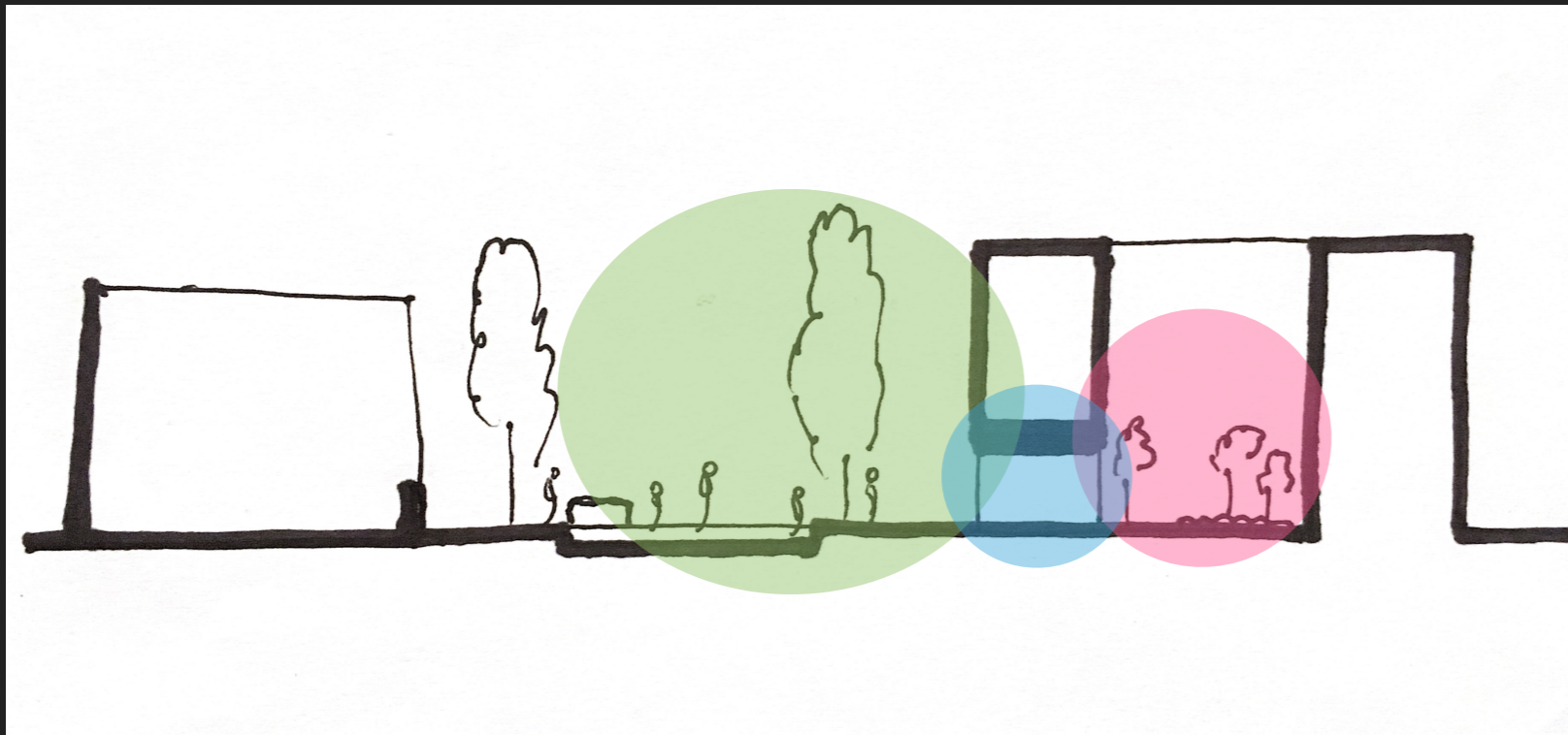
ARTICULATIONS
LIMITES
INCLUSIONS

Place aux arbres

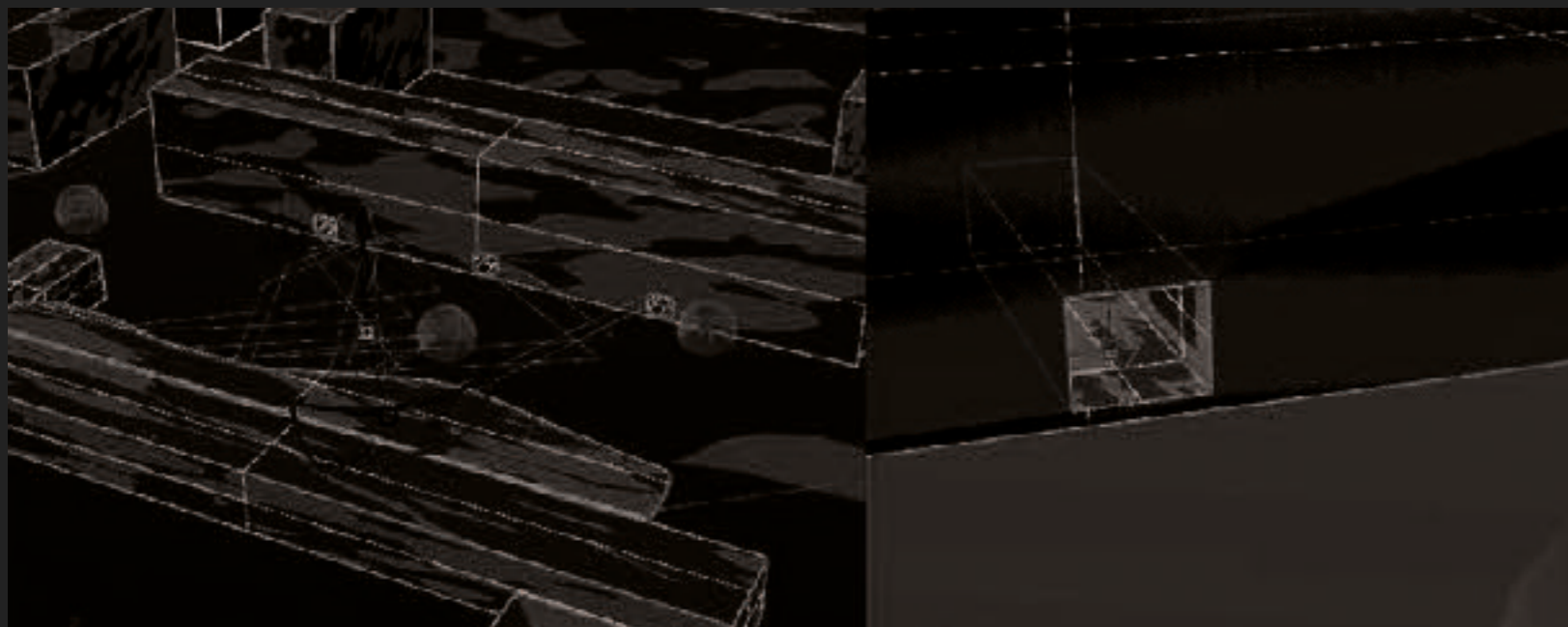


ARCHITECTURAL
SOUND PROTOTYPES
& ESQUISSESS

ARTICULATIONS
LIMITES
INCLUSIONS




ARCHITECTURAL
SOUND PROTOTYPES
& ESQUISSESSONS



ARTICULATIONS
LIMITES
INCLUSIONS


Theo Marchal PHD thesis (in progress)
dir. Gregoire Chelkoff

SOUND EFFECTS



Jean François Augoyard

ARCHITECTURAL SOUND PROTOTYPES



Grégoire Chelkoff

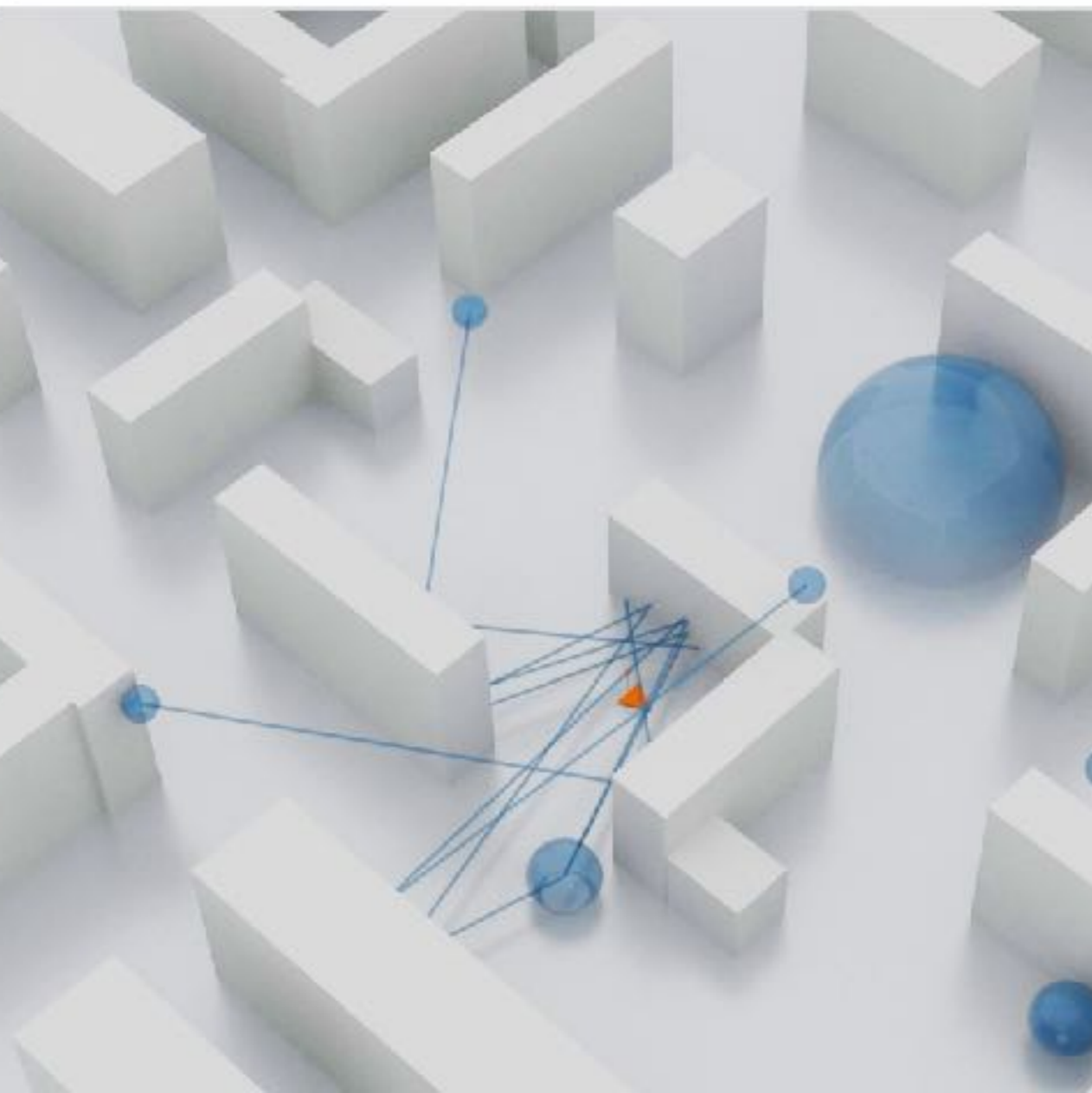
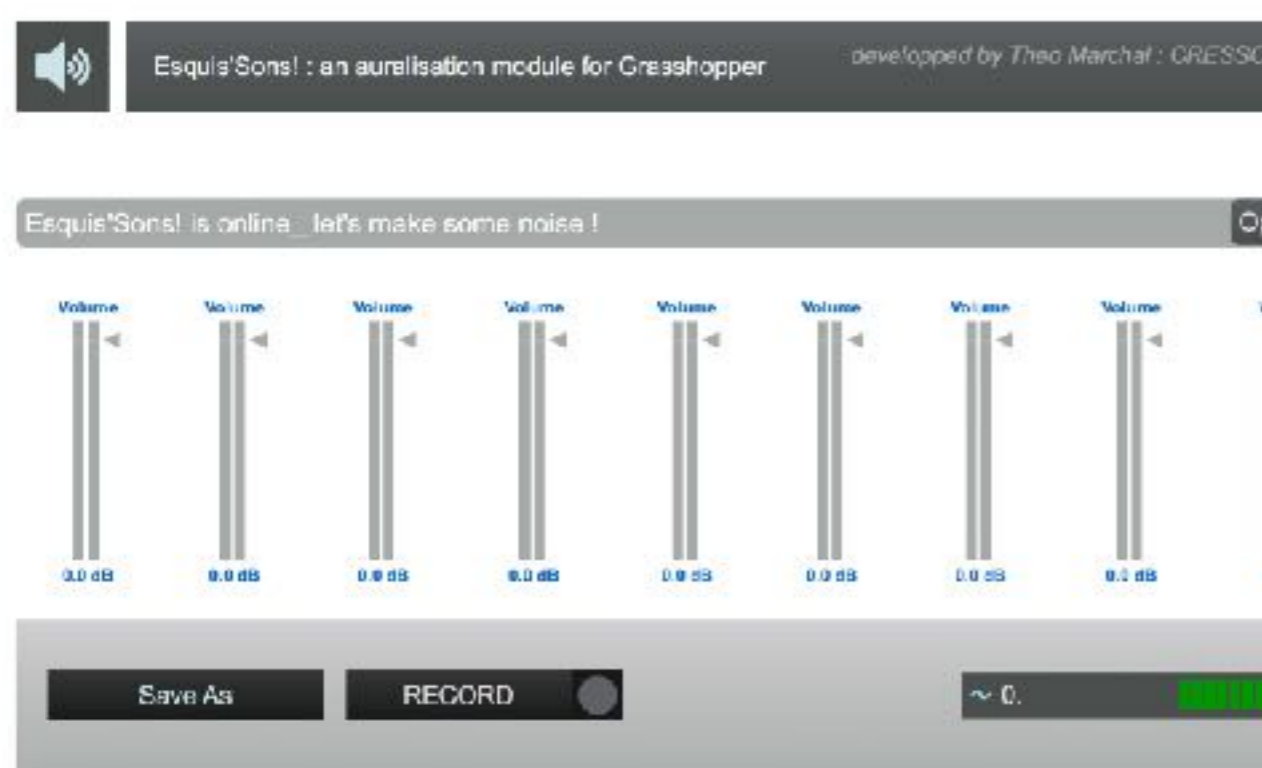
TRANSECTS / SECTIONS



Nicolas Tixier
Noha Gamal Said

ESQUIS SONS!





<https://www.rhino3d.com/>

<https://www.grasshopper3d.com>

<https://www.food4rhino.com/app/esquissons>

ESQUIS'SONS!

A TOOL TO SKETCH THE SOUND ENVIRONMENT