

## **Travail de fin d'études / Projet de fin d'études : Generative design and platformization: Office practice and opportunities analysis for sustainable architectural design**

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# Interview grid

## Introduction to the subject

I'm currently working as you already know on my master thesis, which is assessing the use of generative design to solve sustainability issues in projects. My work aims to map the different uses of computational design for sustainable design, and the skills it requires.

Before we begin the interview, I'll just specify that by "sustainable design" I mean any design process like bioclimatic design, certifications like BREEAM, life cycle analysis...

Can you tell me if you're okay if I record this interview? It won't be published, it's for my personal use on the research only.

## Personal questions

1. Can you introduce yourself?
2. What role do you have in your practice?
  - *Generalist/ dedicated role*
  - *expert in computational/parametric/generative design*
  - *expert in sustainable design*

## Questions on the office

### Sustainable design adoption

3. How do you use sustainable design in the studio/in projects?
  - *Design stages*
  - *Parts of the project*
  - *Issues addressed*
  - *Certification*
  - *Software/toolset*
  - *Optimization?*
4. Can you describe who usually intervene on sustainable design in your office? and what are their missions and how do they intervene on a project usually?
  - *Integrated/dedicated role*

### Parametric, computational and generative design adoption

5. How do you use computational design in the studio/in projects?
  - *Design stages*
  - *Parts of the project*
  - *Issues addressed*
  - *Software/toolset*
6. Are you using computational design for **simulation**/evaluation or **optimization**? Can you give few projects examples?
7. Are you using generative design? How and how often? Why?

8. Can you describe who usually intervene on computational design in your office? and what are their missions and how do they intervene on a project usually?
  - *Integrated/dedicated role*

#### Sustainable generative design adoption

9. Have you ever used computational, parametric or generative design to optimize sustainability in a project?  
No → skip to blue questions
10. What **role** did you have then?
  - *Integrated/dedicated role*
11. Is computational design often used for sustainable design in the studio/in the project? How and at which stages? Can you give us few examples?
  - *Design stages*
  - *Parts of the project*
  - *Issues addressed*
  - *Software/toolset*
  - *Optimization/simulation/generative design*
12. Who in the office use computational design for sustainable design? How do they intervene on a project usually?
13. Are you satisfied with the way computational design for sustainable design is used in projects?
  - Like the design stage when it's used?
  - Its applications on projects?
  - The sustainability criteria assessed?
14. Have you identified barriers and drivers to the adoption of computational design for sustainable design in your office?
15. What opportunities would computational design for sustainable design offer according to you?
16. How would you imagine the ideal computational design for sustainable design toolset?