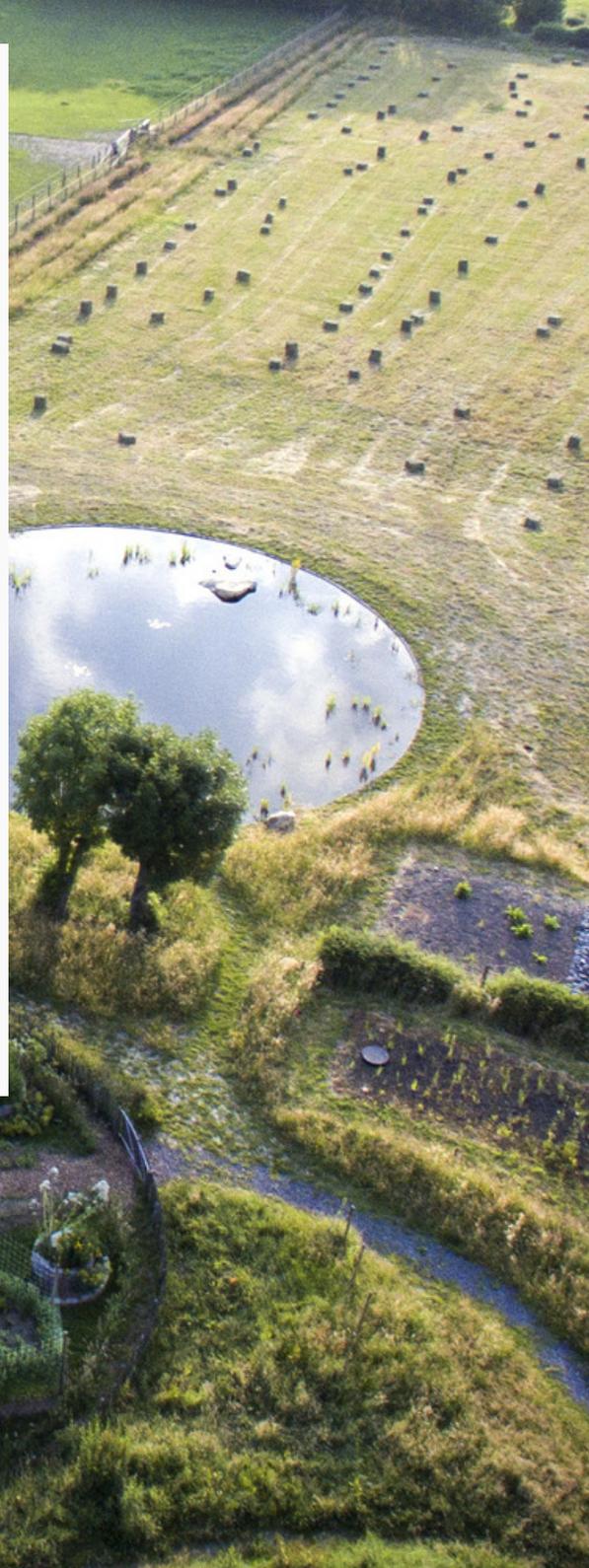




ADVANCED DESIGN COURSE

A HANDS-ON PRACTICE TO
DEVELOP STRONG
PERMACULTURE DESIGNS
YOURSELF

Fabian Féraux



ABOUT

The advanced design course addresses the lack of structure in permaculture design. It is a step-by-step practice to empower financial management, self-sufficient homesteads, agricultural business, and landscape designers.

We are sometimes confused about how to plan a full permaculture design. Long-term implementation and maintenance system must thrive and be profitable, while it remains flexible and adaptative. However, design methods are often ineffective, even misleading. This is a shame, because it offers many possibilities to perform effectively.

Planning and designing are essential to clarify many aspects of the present and the future. The advanced design course invites attendees to dive into the process and create their own design on the go, while being monitored by a professional coach. It allows designers and farmers to have their own beautiful, self-made master plan. It gives them the possibility to explain and communicate about each function of their project. It enhances the financial structure, funding opportunities and attractiveness.

Paradoxically, our methodological concept is very simple and very complex at the same time. It has taken a lot of time to pack it into something that everyone can work with.

A woman with long dark hair, wearing a black tank top and red shorts, is walking barefoot on a yellow slackline. A young girl with long brown hair, wearing a pink dress with colorful embroidery, is walking barefoot on the same slackline. They are outdoors on a grassy area with trees in the background.

**OUR METHOD
MAKES COMPLEXITY
VERY SIMPLE AND
UNDERSTANDABLE
FOR EVERYONE**

OUTCOME & REQUIREMENTS



"IT IS A CLEAR TRANSLATION OF PERMACULTURE ETHICS AND PRINCIPLES INTO MEASURES THAT LEAD TO SUCCESSFUL PROJECTS."

Notions of agronomy, soil management and regeneration, permaculture ethics, principles and design, eco-building design, food production, animal management, water management, mapping, climate, map research, geobiology, gardening. It doesn't matter if attendees are not professional in those fields: they should only know what it means and how it works.

The course will not make every individual a hero in all those domains, but it will enlighten what they don't know yet, and need to learn, or to hire as a service. It improves the costs structure and the implementation timeframe.

The design canvas is the response to what we need. The course includes buildings, soil, mechanics, plants, but not on a detailed scale.

Instead, it makes the complexity of a design very simple, with tangible (land, plants, soil, climate, ...) or intangible structures (people, energy, flows, underground water, money, ...), as a set of elements that students organize together.

The canvas offers to do « everything at the same time », and making it easy to think like a system, without losing the beacon of the final goal.

HOW DOES IT WORK?

Specific techniques are considered as solutions that have to be chosen thanks to the design canevas.

Technical implementation is a matter of common local practices, specific climate behaviours, affordable machinery and budget available for each participant.

The teacher has skills and experience in those various technical subjects, making the process alive and relevant for an excellent design practice.

The course's concept is not made as a classical tacher-to-student talk, nor is it relying on basic demos like composting, planting a fruit tree or building a cob house.

Attendees are thrown into the reality of a professional permaculture land designer and work accordingly. They are making strong progress on their project and are working a lot themselves.

The teaching approach leaves a lot of space for the trainees to fill in the gaps for their own context.

The teacher gives tools, explains them, shows examples, and mainly coaches attendees during their work.

Feedbacks received from previous sessions were all positive in this way.



WHAT TO EXPECT IN THE END ?

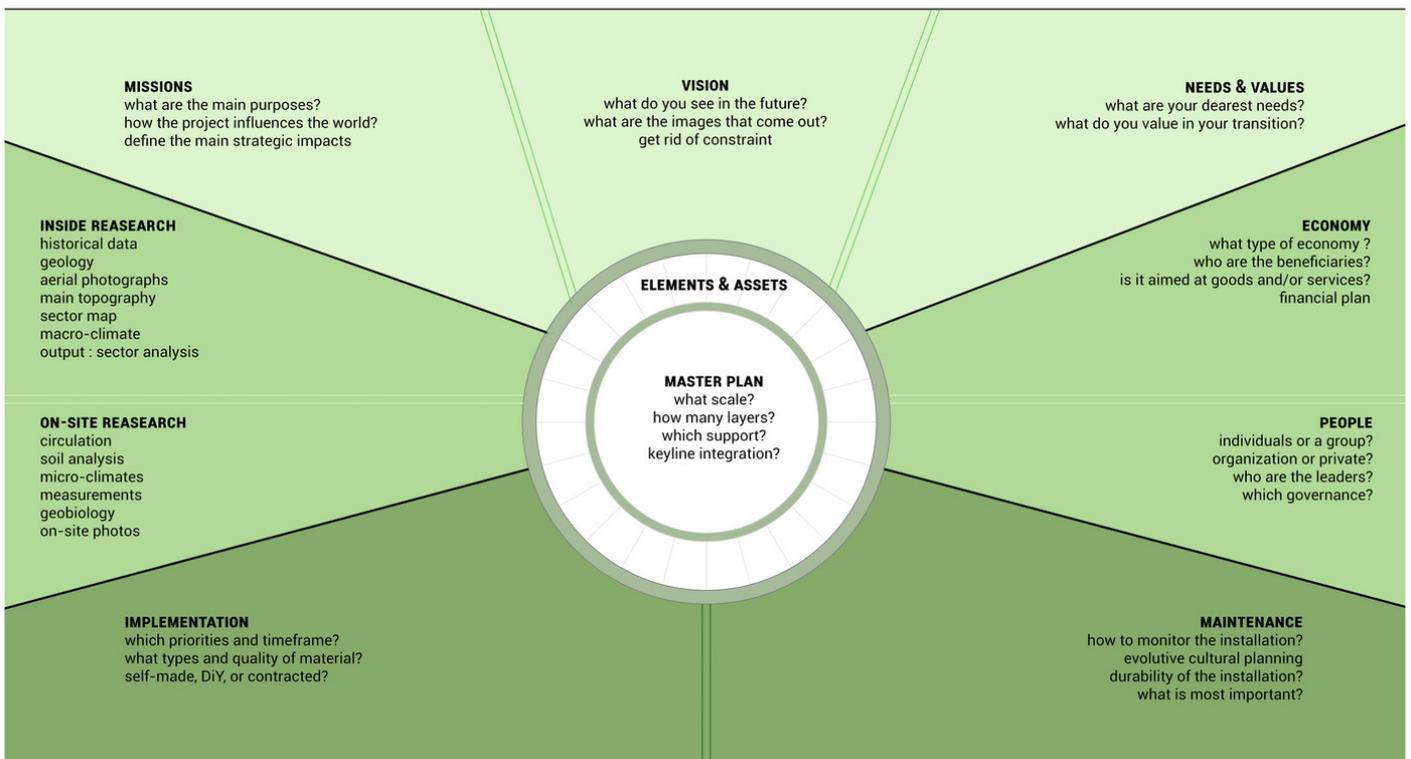
The advanced design course summarizes permaculture concepts in a way never seen before. It creates a linking structure that make design understandable through practices. This is why it is mandatory to work on a real project that attendees surveyed themselves. A task list is given weeks before the course begins.

Attendees are able to draw their final design on a A1 or A0 layers, get a perfect written description of their project structure, have an overview of the costs, know how to implement and monitor it.

COURSE #1 : THE GREEN CANEVA



- Efficient site survey
- Quick sector analysis
- Project analysis +guided meditation about the vision
- Reminder of permaculture principles, history and ethics
- Permaculture design process
- Creating vision & mission
- Client's interview, professional approach
- Bits of human permaculture insights on community ventures
- Presentations to the group
- On-site and inside research
- Smartphones for site surveys
- Reading the landscape
- Defining economical expectations, financial aspects
- Choosing elements for a design
- How to prioritize, make decisions
- Drafting a base map
- Efficient placing of the elements
- Draw efficiently, create a sound representation
- Scaling up and down a map
- Drafting a landscape design
- Making a final design master plan
- Being able to sell it



COURSE #2 : THE BLUE CANEVA



This course includes all the topics reviewed on the previous page. It adds :

HOLISTIC MANAGEMENT

Holistic Management® framework allows farmers to develop their business in accordance with living systems. It asks specific questions to find out the accurate goals and values. It helps farmer to plan for :

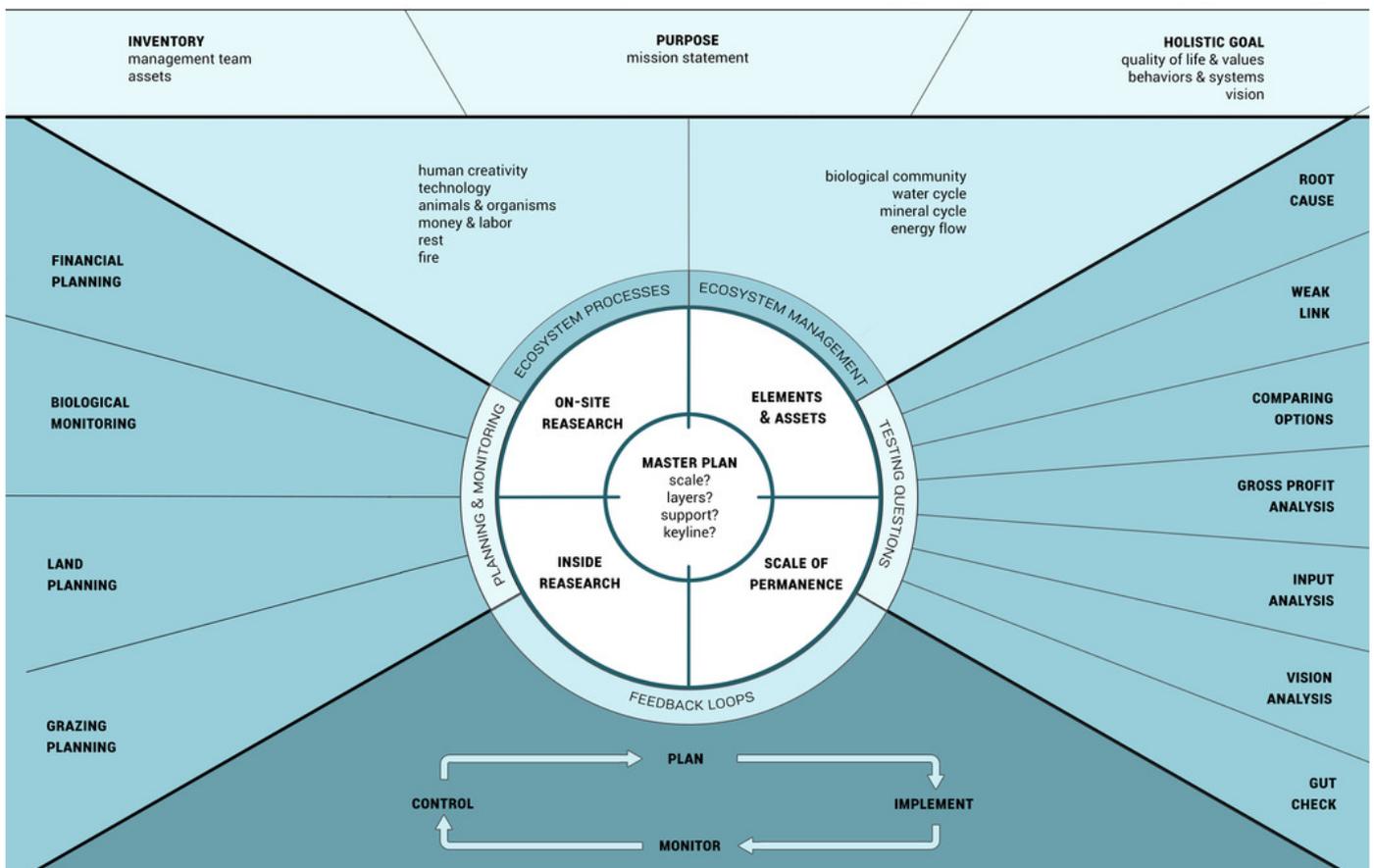
- financial success
- land use
- natural grazing patterns
- biological monitoring

KEYLINE DESIGN

Keyline design is a landscape planning for farm use. It greatly inspired permaculture design on an agricultural level.

It gives tools that help :

- prioritizing design segments ("The Scale of Permanence")
- make a correct use of landshapes
- manage water
- naturally build soil



EXPECTATIONS OF THE COURSE

STUDENTS WHO WANT TO PARTICIPATE SHOULD BE :

PATIENT

The process unravels little by little the design canevass. Sometimes, attendees are in a hurry, and sadly miss the point or get frustrated.

AT EASE

They will be able to draw their master plan - everyone we coach can do it.

AWARE & CONSCIOUS

It is not the technical solutions that are adressed. It is how to design a project as a whole. Not every feature is worked in detail : more research is necessary.

COMMITTED & CONFIDENT

To follow the challenging process until the end, where they appreciate the final result. The training raises fundamental questions that are sometimes delicate to deal with.

PREPARED & READY

In advance, with the correct data and bibliography. They work hard, sometimes late, to finish their homework for the next morning. They have to know the required basics (permaculture design and experience).

OPEN

To group experience and share their project to others, speak in public and be ready to give a presentation.

ABLE TO LET GO

About both intuitive/invisible/subjective and cartesian/visible/objective approaches. It sometimes shakes personal beliefs.

SLEEPING NEARBY

Preferably on-site, to get the maximum benefit from the course and work late.



A HUGE STEP FORWARD

Permaculture landscape design

SELF-SUFFICIENT AND SUSTAINABLE GARDEN, FOOD AUTONOMY, EASY TO MAINTAIN

HOUSE

1. Roof extensions, vertical windows
2. Offices / Meetings, first floor
3. Facade greenhouse
4. Multi-functional bioclimatic greenhouse
5. Veranda
6. Community oven
7. Supplementary cultures (tomatoes, ...)
8. Supplementary cultures (herbs, ...)
9. Vertical vine
10. Terrace linked to n°2 + workshop
11. Double access stairs
12. Windbreak hedge, view
13. Chicken house, duck house
14. Duck access
15. Chicken access

VEGETABLE GARDEN

16. Flower beds, welcome spot
17. Natural hedge
18. Annual vegetables
19. Vegetable arch
20. Underground cistern
21. Small fruit trees
22. Matured compost
23. Bigger materials stock
24. Herbs and edible flowers
25. Counter-slope vegetable garden
26. Spring, pump, pond
27. Small fruits
28. Functional bamboos
29. Aromatic herbs belt
30. Small hedge

ORCHARD

31. Small fruits and berries
32. Small fruit trees
33. Medium fruit trees
34. High fruit trees
35. Pond
36. Fire pit
37. Landscape trees
38. Branches hedge
39. Dry toilets

WORKSHOP ZONE

40. Drainage
41. Stabilization hedge
42. Elderberries
43. Beehives
44. Protective and decoration hedge
45. Path
46. Tree arch
47. Zome : workshop and workplace
48. Tractor and trailer access
49. Shade plants
50. Raw material stock
51. Trailer parking
52. Carport and firewood stock
53. Gravity water stock
54. Compostable material
55. Small fruit trees
56. Tools shed
57. Concrete : multi-functional free zone
58. Vertical micro wind turbines

OTHER ELEMENTS

59. Gates
60. Entrance
61. Water taps, electricity
62. Large service path



Desnie Organic Farm Design

Master plan - December 2017



PERMACULTURE & AGRICULTURE DESIGN IN ACTION

Agriculture

1. Intensive vegetable production, small forestry
2. Production greenhouse
3. Nursery
4. Bio-climatic greenhouse (Walpin)
5. Self service raspberries
6. Mature / repository / composted leaves
7. Filled rocks / micro-climates
8. Beneficial plants garden
9. Edible berries
10. Vegetable beds
11. Seed garden / free range
12. Cereals
13. Hay
14. Conservatory orchard
15. Vegetable / herbs mandala garden
16. Forest garden
17. Small fruit trees
18. Medium fruit trees
19. High fruit trees
20. Nut trees
21. Foraging trees

Animals & husbandry

22. Fixed chicken coop
23. Mobile chicken tractor (land rotations)
24. Horses (animal traction)
25. Cows (rotating pastures)
26. Sheep (rotating pastures)
27. Pigs (rotating pastures)
28. Bees / beehives

Habitats, structures & logistics

29. Visitors parking
30. Dry toilets
31. Explorer tent
32. Natural burned cold room
33. Tool shed
34. Shop CSA
35. Workers parking
36. Main entrance
37. Service entrance
38. Private bio-climatic house
39. Firewood storage
40. Sheedfold, stable, barn, saddletry
41. Organic matter & material storage
42. Agricultural machines
43. Grain silo
44. Bio-climatic eco-school / offices
45. Solar showers
46. Professional kitchen & honey processing
47. Veranda & terrace
48. Small Troll workshop
49. Gypsy caravan
50. Firepit
51. Wetland / phyto-remediation
52. Camping pathway
53. Camping
54. Wigwam / yurt

Paysage & eco-systemic services

55. Free pruning and foraging hedges
56. Pruned hedges
57. Windbreakers
58. Lumber / firewood
59. Pond / water reserve
60. Fish pond / water reserve
61. Natural pond
62. Fountain
63. Small stream
64. High natural value zone



Scale: 1/500 (A0 format)

Mission Statement

The Desnie Organic Farm's mission is to propose solutions to the social, economical and ecological challenges of the 3rd millenial. The place gets its inspiration from Permaculture Principles to offer a harmonious, abundant, resilient and sustainable landscape.

The place includes :
 - a market gardening, trade and processing section
 - a livestock section
 - a centre for education and transmission of "know-how" and "know-how-too-be"
 - an inspiring demonstration site for permaculture principles & ethics
 - a design office to help projects' holders for their own installation and transformation of post-fossil fuels farms, resilient habitats and food systems

Project owner : Jean-Cédric JACMART
 Designer : Jean-Cédric JACMART & Fabian FÉRALUX
 Sketches and illustrations : Fabian FÉRALUX
www.padia.team

Desnie Organic Farm (size : 9 hectares)
 Chemin du Gon-du-Bois, 1 - 4910 Theux - Belgique
www.desniepermaculture.farm

PRACTICAL INFORMATION



ATTENDEES WILL RECEIVE

- Individual and group coaching
- The design method caneva
- Spreadsheets about the methodology
- Powerpoint presentations
- Case studies
- Additional tools and references
- A unique design elements list

LOGISTICS

- One laptop / attendee, Excel or other
- Layer paper
- Easy internet access for everyone
- A personal phone
- One table per person (min 90cmx150cm)
- Drawing material (will be precised)
- Electrical outlet for everyone + 3/teacher
- Projector & screen and a dark room
- Printer available nearby
- Draft paper and large sheets
- A large whiteboard



MEET THE TEAM



FABIAN FÉRAUX

Fabian Féraux has been practicing and researching in permaculture for a decade. Since he started, **he questioned the design practice**, and looked directly for a **renewed methodology** to save time and develop the design on a larger and professional scale. He travelled a lot, working with urban farming organizations in the US, reforesting bare land in remote communities in Haiti, following old school permaculture practitioners, etc. He launched the first Belgian permaculture design company in 2012, co-founded PADIA and works with partners worldwide.

Fabian leads projects in Europe, from community gardens to various homesteads, and farms development. His design range varies from 60 sq. meters to 200 hectares.

He learned through several Permaculture Design Courses, attended Allan Savory's Holistic Management and Keyline design by Darren Doherty (practicing in the mountains). He integrates the development of permaculture on an agricultural level.

He was trained in community management and Holacracy™ in the US. He helped groups and organizations to transform their work to shared decision-making habits.

Fabian developed a toolbox from holistic analysis to drawing beautiful master plans, enhancing it through time and experience. It aims at becoming **one of the leading permaculture's toolbox** for people who want to make sound designs, while having an easy process to follow.



THOMAS BRUNO

Thomas Bruno is from a farmer's family. He studied agronomy, animal and vegetal genetics and permaculture design. He managed the family farm in his early career, and set up a eco-building company that had a few ambitious projects. He also has a deep understanding of machinery and appropriate farming tools, both hand and engine driven.

He was a **determinant partner for Belgian leading agroecology-based farm** (Les Compagnons de la Terre).

Thomas set up massive vegetable and animals production results by carefully planning the system. He then planned a holistic management land and grazing for another leading pedagogic farm in the same region (Ecole de Permaculture de Desnié). Meanwhile, he conducted agronomic researches at Maastricht University (The Netherlands).

He ended up taking part in Fabian's design methodology concept, giving insights and testing it live on various farming projects.