

Training: Design with biomimicry



Training objectives

This training program allows trainees to develop skills and strengthen their employability. The operational modalities and objectives are :

- Understand systems thinking and risk management
- Understand biomimicry
- Master the value creation mapping tools
- Assimilate and apply the principles of life

Methods and tools used

The tools transmitted during the training are accessible in Creative Commons so that the participants can apply the acquired knowledge in their current and future projects.

The Creative Commons tools used are :

- The Value Chain Canvas
- The Biomimicards

The training is composed as follows :

- Theoretical training: 4 online course modules in autonomy
- Validation of knowledge acquired via a Q&A session every week for 30min

See annex 2.

Access terms and deadlines

The training is asynchronous and 100% online or in group and 100% online.

Training duration and dates

The duration of the training is 20 hours divided into 4 modules, delivered over 4 consecutive weeks. The content of the training is accessible for 12 months from the date of purchase.

Educational Team

The training will be facilitated by Michel Wolfstrin, co-founder & and COO of SquareRoot, co-founder of Biomimicry Norway, and by project Leader Havnellykta.

Prerequisites

The training is open to business leaders, managers, consultants, designers and any other person wishing to adopt new tools and a more systemic method to offer regenerative products and services. This training does not require prior knowledge of the circular economy or biomimicry.

Monitoring and evaluation methods

The acquisition of educational objectives is validated by quizzes, open questions, and case studies on MURAL or MIRO digital tools. The trainers share and review the practical exercises of the online course. The 30m session allows for a validation of the acquired knowledge.

The educational objectives are also validated during weekly Q&A sessions led by the trainer. See annex 2.

Training plan

The training is divided into 4 modules, see Annex 2:

- Module 1: know and understand the interest of biomimicry
- Module 2: Applying the principles of the living to understand the context of my activity
- Module 3: Applying the principles of the living to rethink a product or service
- Module 4: Being inspired by the living to transform group dynamics

Deliverables and educational material

At the end of the training, participants will receive a link to download the tools in Creative Commons, a certificate attesting the completion of the training, the presentations of each module in PDF format as well as a summary email for validation of the acquired knowledge.

Training costs

This training can be part of the Compulsory Continuing Education.

This training takes place remotely in a cohort of 30 people maximum. 1 trainer is assigned per cohort

Recommended public price 1300/trainee excl.VAT

Recommended public price 1560/trainee incl.VAT

This training can also take place in autonomy:

Recommended public price 900/trainee excl.VAT

Recommended public price 1080/ trainees incl.VAT

Coverage of participants' costs

No additional costs for access to online communication tools will be incurred. All tools and access are provided by Biomimicry Norway (Advenge Consulting AS).

Accessibility for people with disabilities

Our E-learning training takes place independently and is accessible to hearing-impaired people thanks to the subtitles available in all our videos.

When registering for the training, please inform us about specific conditions by contacting us at michel@biomimicrynorway.com.

Contact

For any questions related to the content or the progression of the training, please contact the training coordinator at: michel@biomimicrynorway.com

For any complaints, you can also contact: michel@biomimicrynorway.com

Annexe 1: Modalities of the online training

Tools

For all distance training, Biomimicry Norway offers the use of intuitive digital communication, storage or collaboration tools, easy to access and available anywhere in the world on a computer, tablet or smartphone. No additional costs are to be incurred by the participants.

- **Schoolmaker** for the transmission of theoretical content and exchanges between participants
- **MURAL** or **MIRO** for workshops, exercises and exchanges between trainees
- **Zoom** for the live sessions with the trainer

Formats

For all online training, Biomimicry Norway offers various formats to ensure autonomy in acquiring fundamentals and transmitting tools and methods, a dynamic sharing of exercises and learning, and a validation of acquired knowledge through interactions with the trainer.

- **Videos** of 5 to 15 minutes maximum for the transmission of theoretical content and the presentation of practical exercises
- **Live exchange sessions** with trainees for the validation of knowledge and practice
- **Exercises** (online) for a first level of application of the acquired knowledge by the trainees

Availability of content and tools

For all online training, Biomimicry Norway provides trainees with a hotline for any problems related to connection or access to online tools. The Biomimicry Norway team can be contacted by email at michel@biomimicrynorway.com with the subject « Training title » to answer any questions or support trainees in their connection.

The live sessions are tailor-made and prepared with the trainees or their referents, based on the knowledge and needs of each participant. The number of live sessions can change depending on the needs and the number of participants.

Theoretical content is available in pdf and on the platform for a maximum period of one year.

Annexe 2: program of theoretical contents

General structure:

All modules are divided into 3 parts each alternating between practice and theory

- Introduction: an exercise of familiarization with fundamental concepts + corrections and presentation of concepts
- Development: theoretical content + presentation of Circular toolbox (for 3 of the 5 modules) + application exercises + presentation of case studies
- Conclusion: Summary and opening to additional content

Key concepts covered in the modules: circular economy, cooperation, systems thinking, complexity, regeneration, biomimicry, principles of the living

Content of the different modules :

- Know and understand the interest of biomimicry
 - Define biomimicry
 - Illustrate biomimicry with examples
 - Apply biomimicry to a first case

- Applying the principles of the living to understand the context of my activity
 - Knowing the principles of the living
 - Applying the principle of locality
 - Applying survival strategies to the context of my business

- Applying the principles of the living to rethink a product or service
 - Find shapes and materials inspired by and compatible with living things to redesign a product
 - Optimize the usage of resources in a product's life cycle
 - Deploy efficient feedback loops between stakeholders

- Being inspired by the living to transform group dynamics
 - Knowing how to map interactions of a group and its dynamics
 - Allowing for cooperation in a group
 - Applying leadership for fulfilment