

Biomimicry

What is Biomimicry? How can we emulate nature to seek sustainable solutions to human challenges, and integrate it in our design methodology?

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Definition / Benefits	Constraints / Challenges / Barriers
<p>Definition: Biomimicry is an approach to innovation that seeks sustainable solutions to human challenges by emulating nature’s time-tested patterns and strategies.</p> <p>Benefits: Nature has been around for 3.8 billion years and has evolved organisms that have adapted to earth’s conditions and to all of the challenges that we are facing as a human species [ex; high CO2 concentration, floods, toxic-free materials, circular waste streams...]</p> <p>Biomimicry thinking and innovation apply to all human fields, from architecture to technology, engineering, communication systems and strategies...</p>	<p>Pretty new approach, not well known yet, making people resistant to the ideas behind it People have become so disconnected from nature and considering humans as outside nature, which leads to the perception of nature as something inferior to human ingenuity. This makes it harder for people to recognize the genius of nature and accept to learn from it Applying biomimicry takes a lot of collaboration, it is crucial to find the right partners, some of which need to be biologist that can translate some of nature’s lessons into abstract design principles that can then become an actual product , technology or approach It is not easy to do! At the moment I am the only accredited specialist in this field, which makes it difficult to find other people to collaborate with locally.</p>
Best Practice / Solutions / Tools	Resources / Local Availability
<p>Look for people to collaborate with Invite a biologist to the design table Follow Life’s Principles:</p> <ul style="list-style-type: none"> ● Evolve to survive ● Adapt to changing conditions ● Be locally attuned and responsive ● Integrate development with growth ● Be resource efficient ● Use life-friendly chemistry 	<p>Contact me! Take a walk IN NATURE! Look for inspiration, reconnect with nature, and understand the ethos behind it Asknature.org Biomimicry.org Book: “Biomimicry” by Janine Benyus</p>