

Nature is the most ancient design teacher

Biomimicry is the practice of mimicking nature's time-tested strategies to solve human challenges. It involves studying nature's forms, processes, and ecosystems to inspire innovative solutions that are both efficient and sustainable.

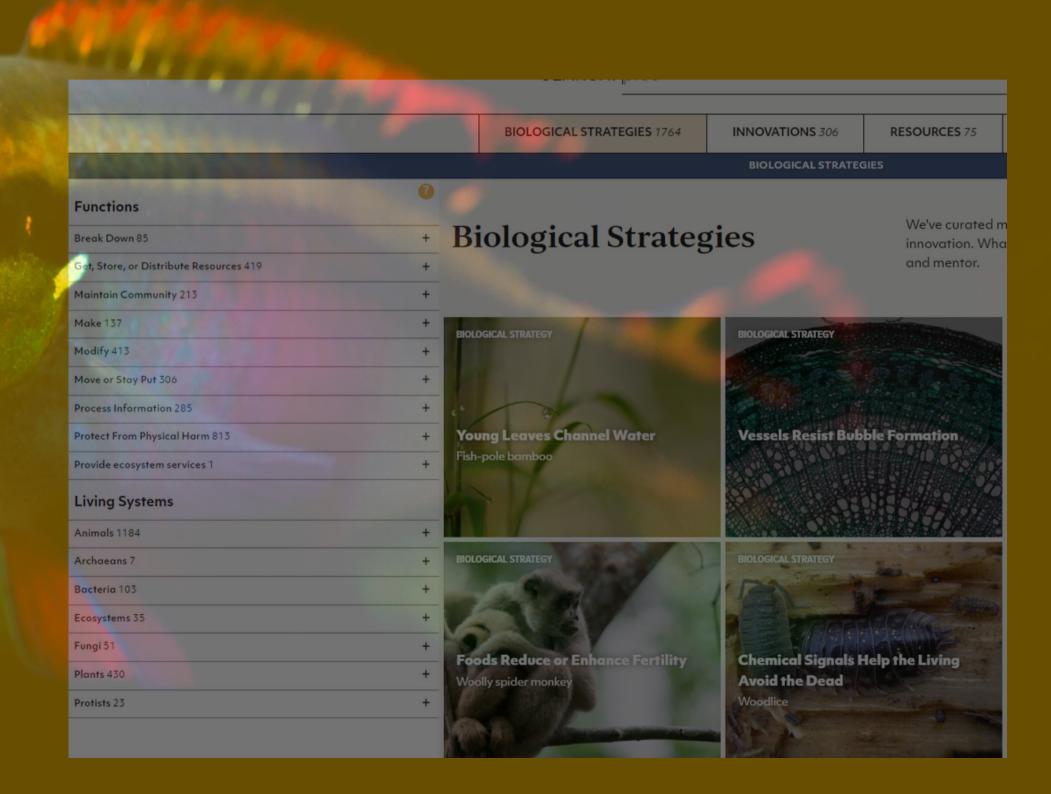
AskNature.org by Biomimicry Institute provides:

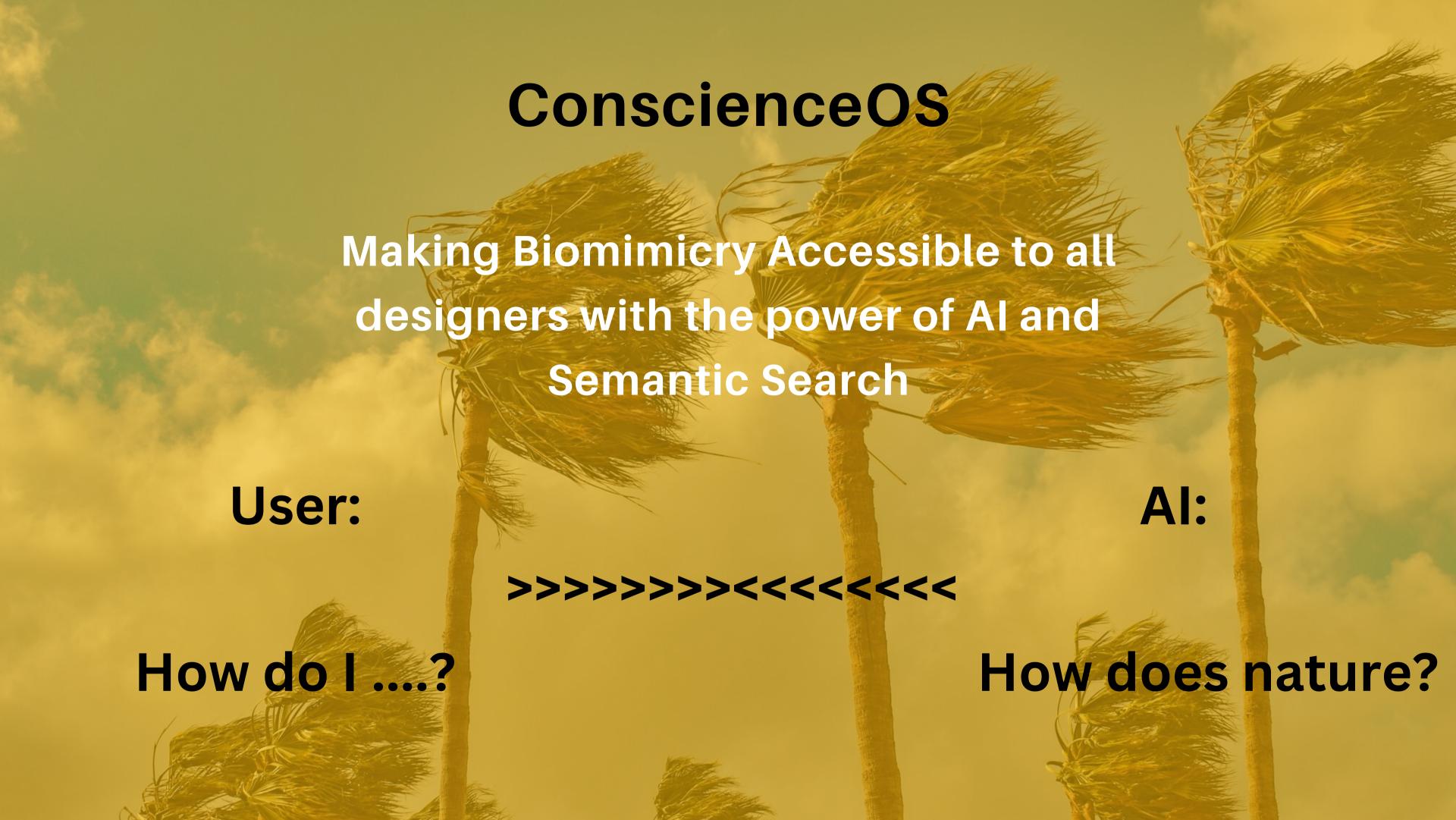
Biological Strategies

1700+

Biological Innovations

600+





Hybrid Search





Step 1: Generate Embeddings

```
generate_embeddings.py ×
EXPLORER
                                                 app.py 9+
                                 中の計却
                                                 generate embeddings.py > ...
CONSCIENCEOS
                                                        weaviate_api_kéy = os.getenv( weaviate_api key )
> .ipynb_checkpoints
                                                        weaviate url = os.getenv('weaviate url')
> static
                                                  12
> templates
                                                        # Connect to Cohere
                                                        co = cohere.Client(cohere_api_key)
> venv
                                                  15
.env
                                                        # Connect to Weaviate
■ .env-example
                                                        client = weaviate.connect to wcs(
  .gitignore
                                                  18
                                                            cluster url=weaviate url,
app.py
                                                            auth_credentials=weaviate.auth.AuthApiKey(weaviate_api key))
                                                  19
app1.py
app2.py
                                                  21
■ biological-innovations_embeddings.npy
                                                  22
                                                        def create class():
                                                            # Define a data collection (class) in Weaviate
biological-innovations.csv
                                                            class config = {
■ biological-strategies_embeddings.npy
                                                                "name": "BiologicalStrategiesInnovations",
biological-strategies.csv
                                                                "vectorizer config": weaviate.classes.config.Configure.Vectorizer.text2vec cohere(),
dspy.py
                                                                "generative_config": weaviate.classes.config.Configure.Generative.cohere()
generate_embeddings.py
                                                            class_object = client.collections.create(**class_config)
pipeline.ipynb
                                                            return class object
prompt_template.py
🕏 qa.py

    README.md

                                                        def process file(file path):

    □ requirements.txt

                                                            # Extract filename without extension
                                                            filename = os.path.splitext(os.path.basename(file path))[0]
                                                            # Load data
                                                            raw df = pd.read csv(file path)
                                                            # Assuming 'name' column contains text data
                                                            texts = raw_df['name'].tolist()
                                                  41
                                                  42
                                                            # Embed text data using Cohere
                                                            response = co.embed(
```