



## W1.1 SO... HOW DOES NATURE WORK?

### Natural functions/abilities

Select from:

Attach	Dynamic design	Move 'fluids' (air, water, etc.)
Balance	Enduring sources of energy	Optimize (e.g. strength and material, information and time)
Bottom-up manufacturing	Flexibility	Orient
Buffer (e.g. from impact)	Grind	Pack into a small space
Collect (e.g. water, sunlight)	Grip	Power without pollution (i.e. clean sources of energy)
Collect raw materials (i.e. without mining)	Heat up	Protect
Communicate	Hold onto	Raw materials without mining (i.e. from the air, from groundwater)
Connect	Insulate	Recycle
Cool down	Information instead of material	Resilience
Cooperate	Life-friendly chemistry (i.e. chemistry that is safe for living tissues)	Restorative
Coordinate	Manage	Stabilize
Create color	Manage interactions	Stabilize soil
Create conditions conducive to life	Manufacture at ambient temperatures	Stick together
Create Flow	Maximize (e.g. resources)	Store
Decompose	Minimize (e.g. weight)	Streamline
Detect	Move	Strength
		Withstand wind