



EXPLORE: Biologize the Design Question

Biomimicry and Science: Applying Nature's Strategies

How is biomimicry different?

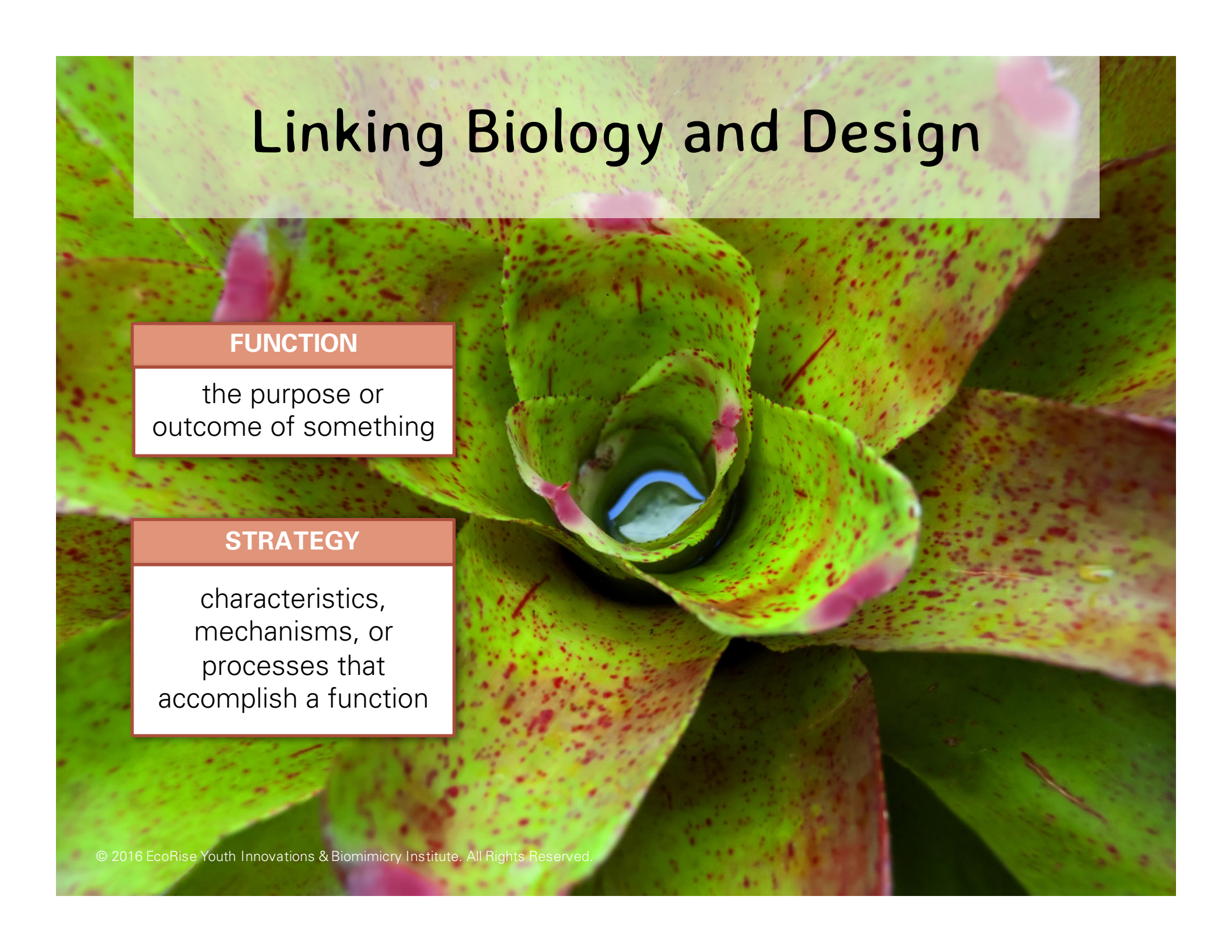


“Biologizing” the Question

How might we...? → How does nature...?



How does nature... ?



Linking Biology and Design

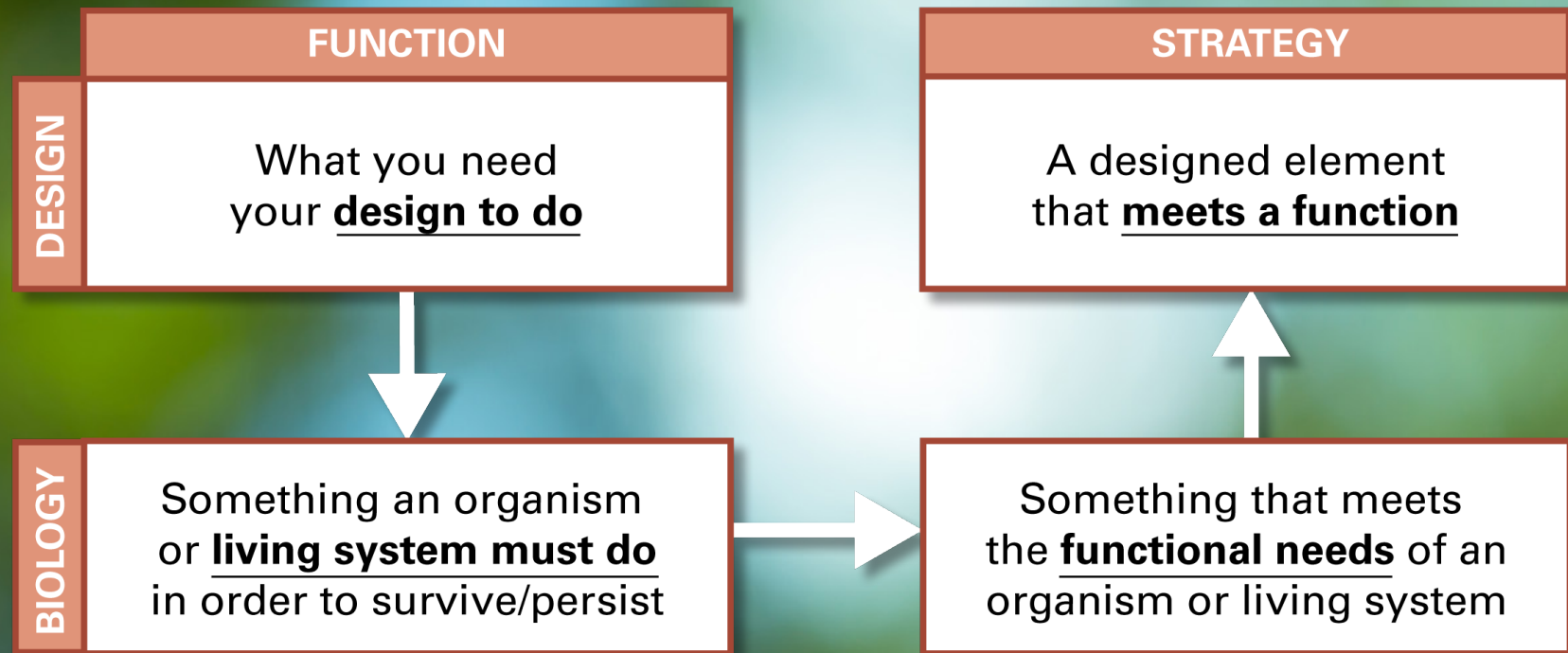
FUNCTION

the purpose or
outcome of something

STRATEGY

characteristics,
mechanisms, or
processes that
accomplish a function

Biological Strategies Inform Design Strategies





Design Question: How might we reduce stormwater flooding in cities?

Biologized Question: How does nature manage excess water?



Design Question: How might we keep buildings cool in the summer?

Biologized Question: How does nature regulate temperature in hot environments?

The background of the slide is a photograph of a road surface, specifically a bicycle lane. It features a white painted arrow pointing towards the top right of the frame. Below the arrow, there is a white painted bicycle symbol. The road is flanked by white lines. The entire image has a warm, orange-brown color overlay.

Try it!

Design Question:

How might we make urban cyclists more visible to drivers at night?

First:
Identify the functions.



Try it!

Design Question:

How might we make
urban cyclists more
visible to drivers at night?

Then:

**Identify the
context.**

Try it!

How does
nature...?