Sense → **OPEN SYSTEM** → **Response**

ENVIRONMENT

Policy

Approved Funding

Industry Needs

Students
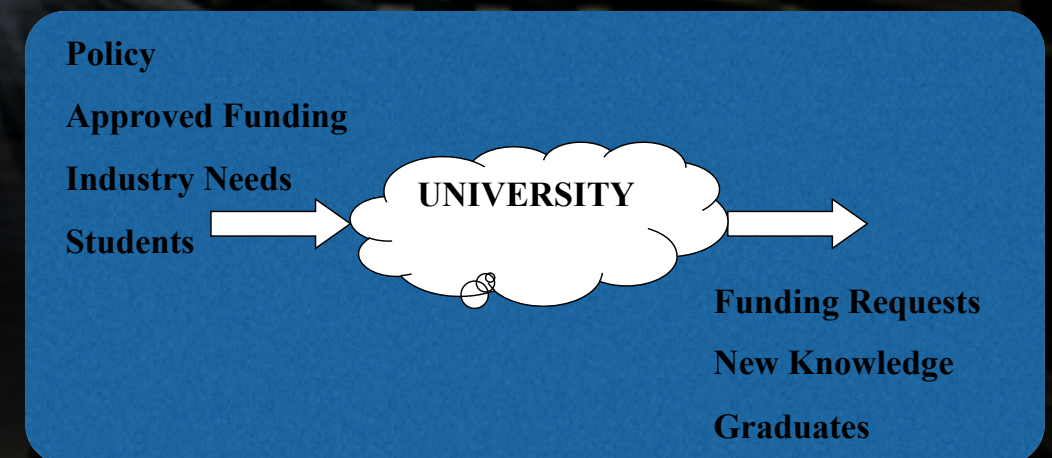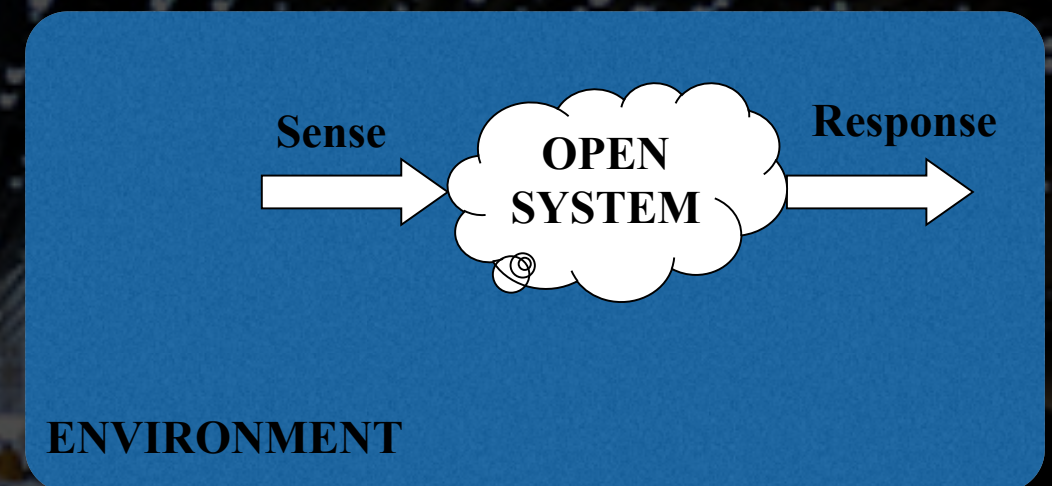
UNIVERSITY

Funding Requests

New Knowledge

Graduates

General Systems Theory

- Systems theory provides an analytical framework for comprehending dynamic interrelated operating systems.

- All living and many non-living things are open systems.

- Consider universities: A holistic approach to problem solving that reflect how the organization relates to its environment and how factors in the environment can affect the organization.

Sense → **OPEN SYSTEM** → Response

ENVIRONMENT

Policy
Approved Funding
Industry Needs
Students → **UNIVERSITY** →
Funding Requests
New Knowledge
Graduates

Hierarchy of Complex Systems

9	Transcendental
8	Social Oganisation
7	Human
6	Animal
5	Genetic-societal
4	Open System
3	Cybernetics
2	Clockworks
1	Frameworks