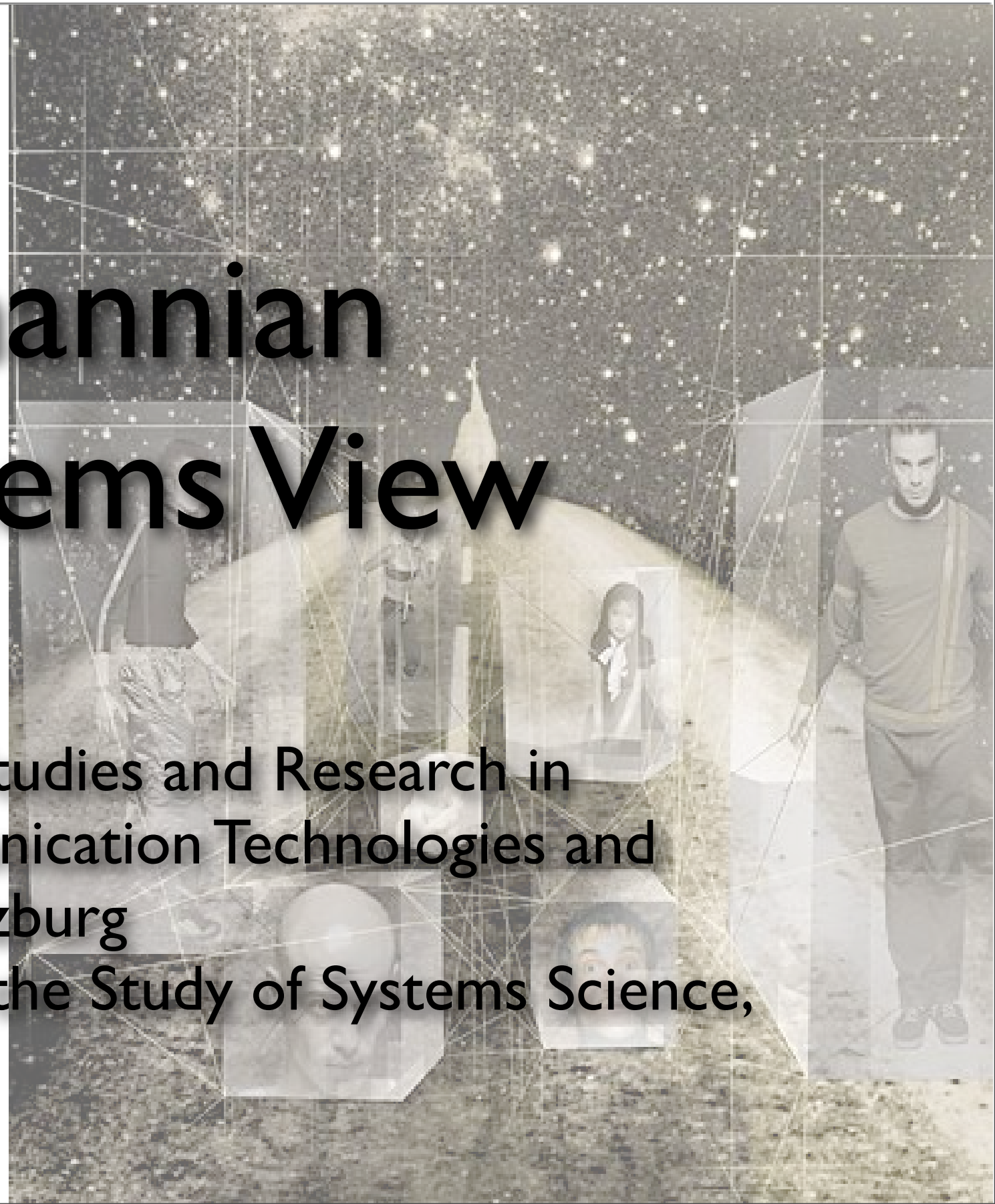




Towards a Post-Luhmannian Social Systems View

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- Bertalanffy Center for the Study of Systems Science, Vienna





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2 Why Systems Theory

3 Why a Theory of Self-Organisation

4 Why Post-Luhmannian

4.1 Why go beyond the Social Boundary

4.2 Why go beyond Communication

4.3 Why go beyond Incommensurability





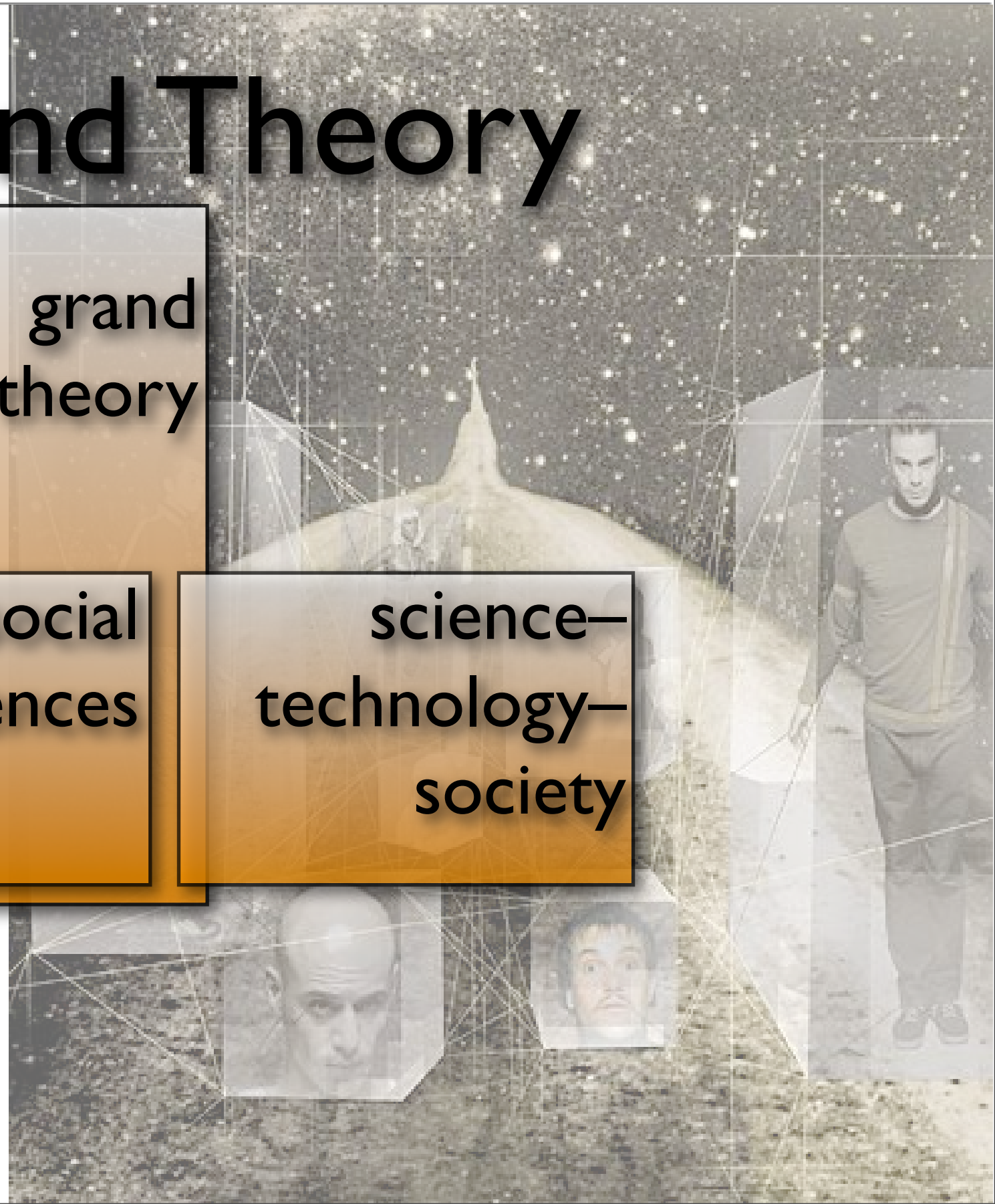
I Why Grand Theory

grand
social theory

history

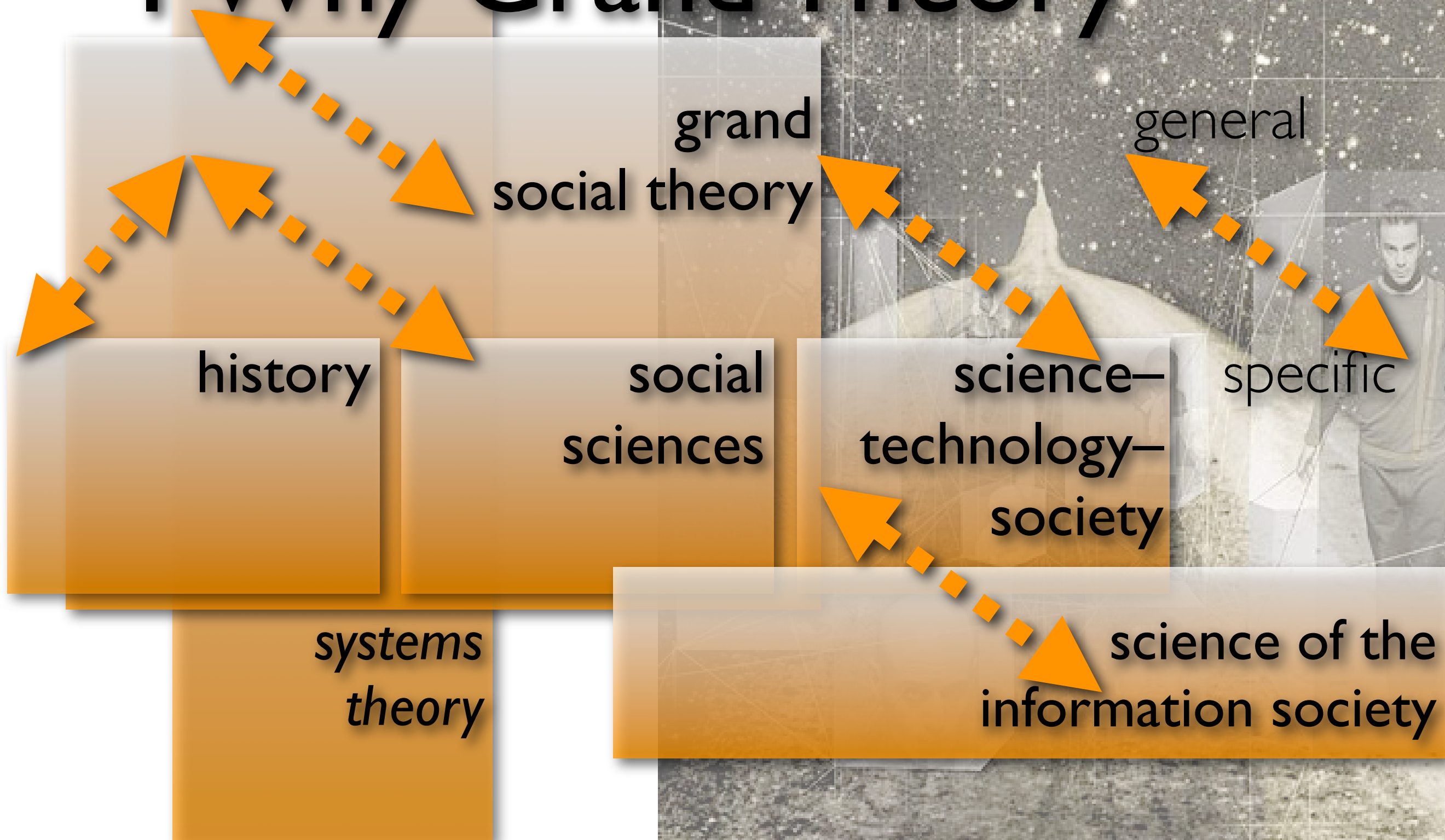
social
sciences

science–
technology–
society





I Why Grand Theory





The diagram illustrates a conceptual framework for systems theory, showing the relationship between various theories. The background is a collage of images: a starry space scene, a classical building dome, and a modern man in a suit.

The theories shown in the boxes are:

- theory of social systems** (top center)
- theory of social systems' evolution** (middle left)
- theory of social subsystems** (middle center)
- theory of socio-technological systems** (middle right)
- systems theory** (bottom left)
- global sustainable information society** (bottom center)
- theory of the** (bottom right)

Orange arrows indicate a flow from general to specific concepts:

- A dashed arrow points from the top left towards the top right.
- A solid arrow points from the top left towards the middle left.
- A dashed arrow points from the top center towards the middle right.
- A solid arrow points from the middle left towards the bottom left.
- A dashed arrow points from the middle center towards the bottom center.
- A solid arrow points from the middle right towards the bottom right.

Labels **general** and **specific** are placed near the top right, indicating the scope of the theories.



2 Why Systems Theory

I Aims:
Social
Cybernetics

regain of governance

*social practice
in the information age*

loss of control

*theory of the
global sustainable information society*





2 Why Systems Theory

*real-world systems dynamics
information-age practice gets
involved in*

2 Scope:
Social(ly shaped)
Systems

modeling

mapping

*theory of the
global sustainable information society*



2 Why Systems Theory

*methodology for the study of
information-age real-world systems
dynamics*

3 Tools:
System
of Methods

refining

anything goes
as long as it
works

*theory of the
global sustainable information society*



3 Why a Theory of Self-Organisation

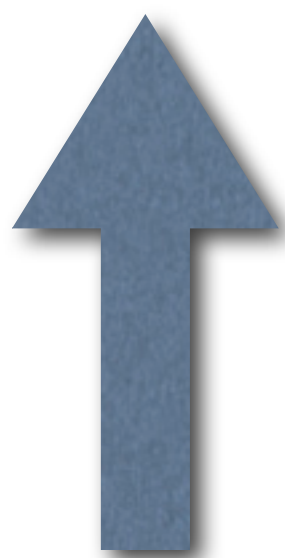
		how to relate...	
		individuals...	and society
<i>individualism</i> (reductionism)	neopositivism, action theory	necessary and sufficient	resulting
<i>“societalism”</i> (projectionism)	interpretivism, functionalism, structuralism	resulting	necessary and sufficient
<i>individual–society</i> <i>dichotomism</i> (dualism)	post- modernism, Luhmann	independent	
<i>individual–society</i> <i>integrationism</i> (dialectic)	critical thinking, theory of self- organisation	asymmetrically interdependent (society emerges from, and shapes, in turn, individuals)	



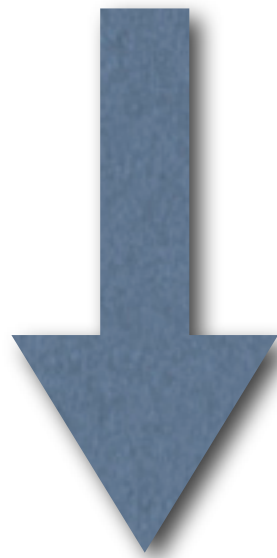
3 Why a Theory of Self-Organisation

STRUCTURE

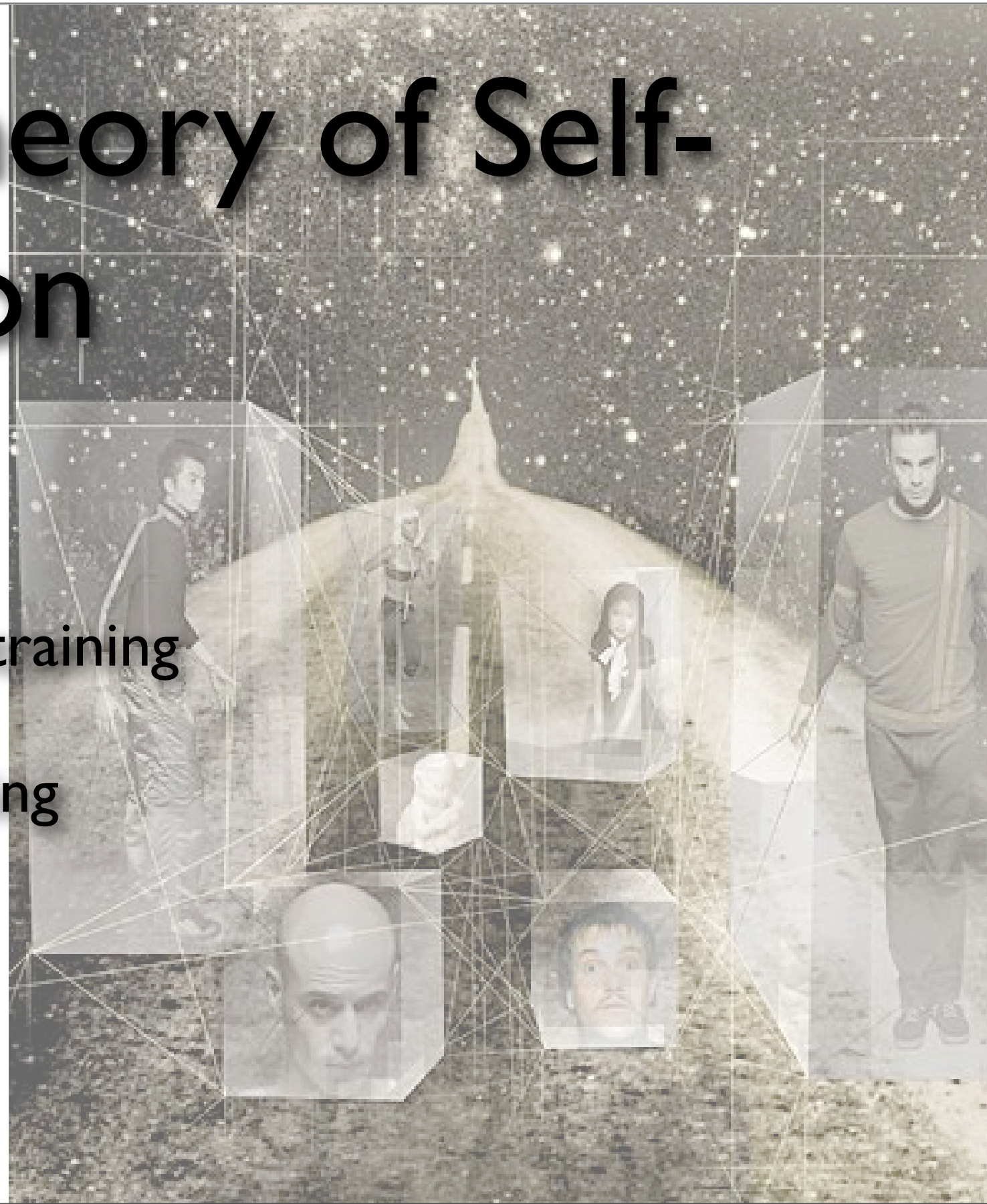
Acting



Constraining
and
Enabling



AGENTS



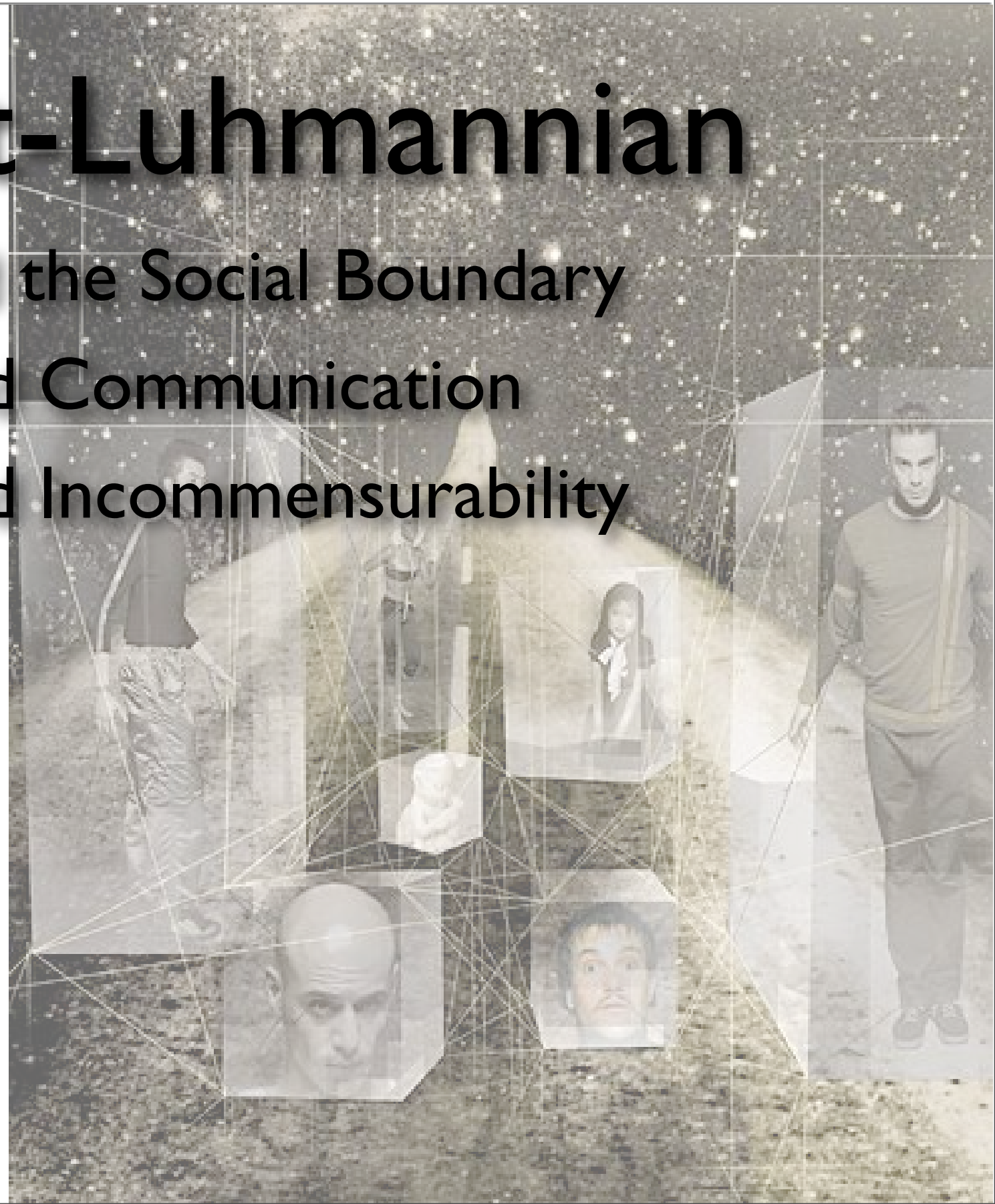


4 Why Post-Luhmannian

4.1 Why go beyond the Social Boundary

4.2 Why go beyond Communication

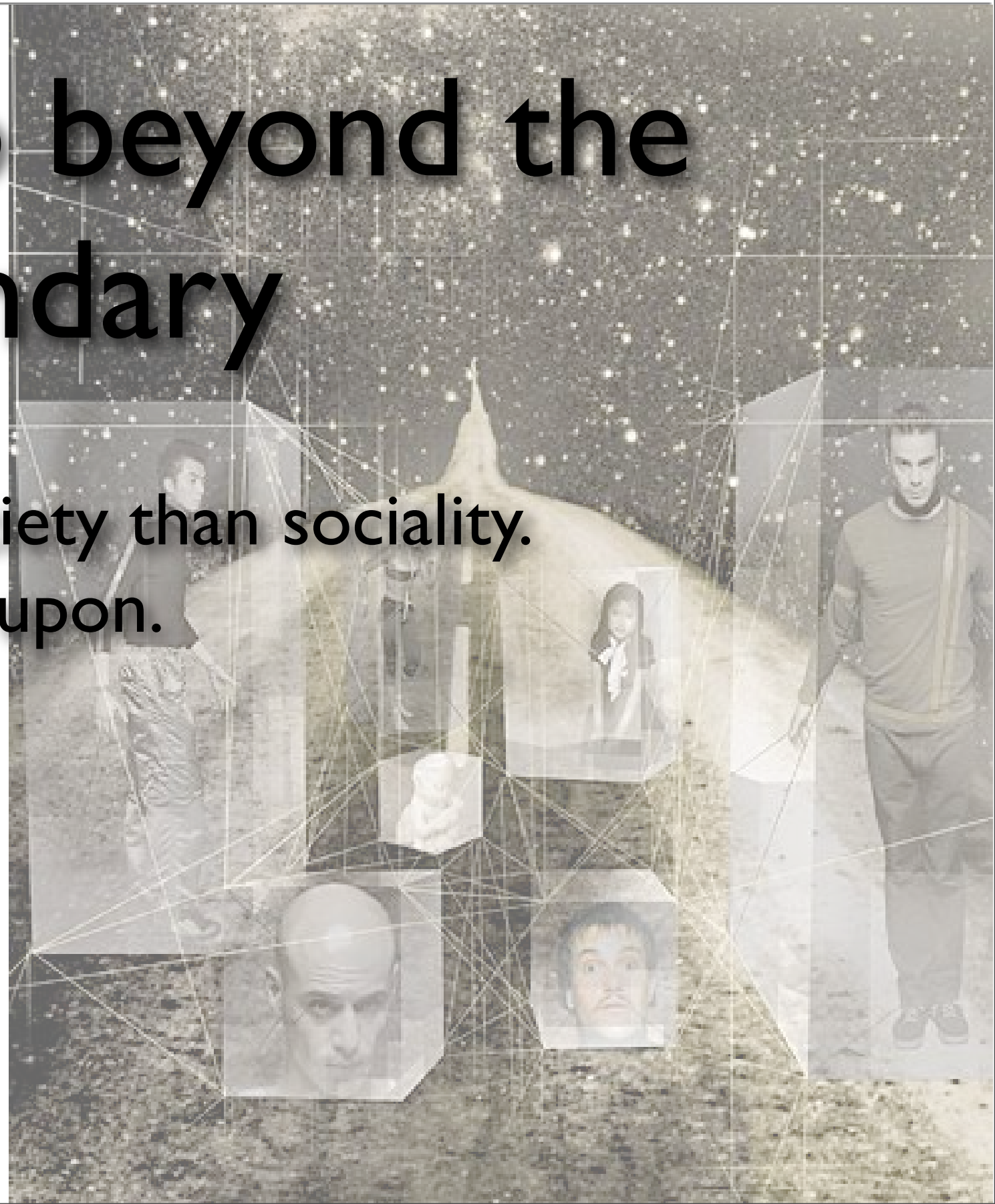
4.3 Why go beyond Incommensurability





4.1 Why go beyond the Social Boundary

There is more to society than sociality.
There is nature built upon.



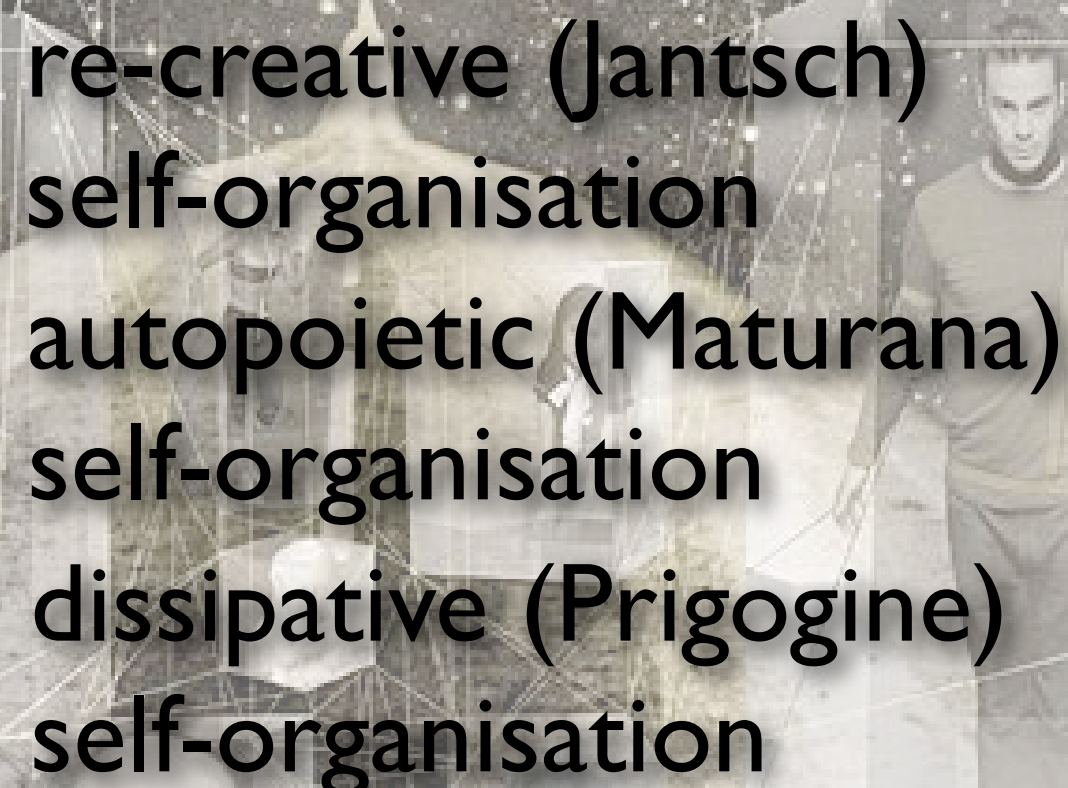


material systems

living systems



societal
systems

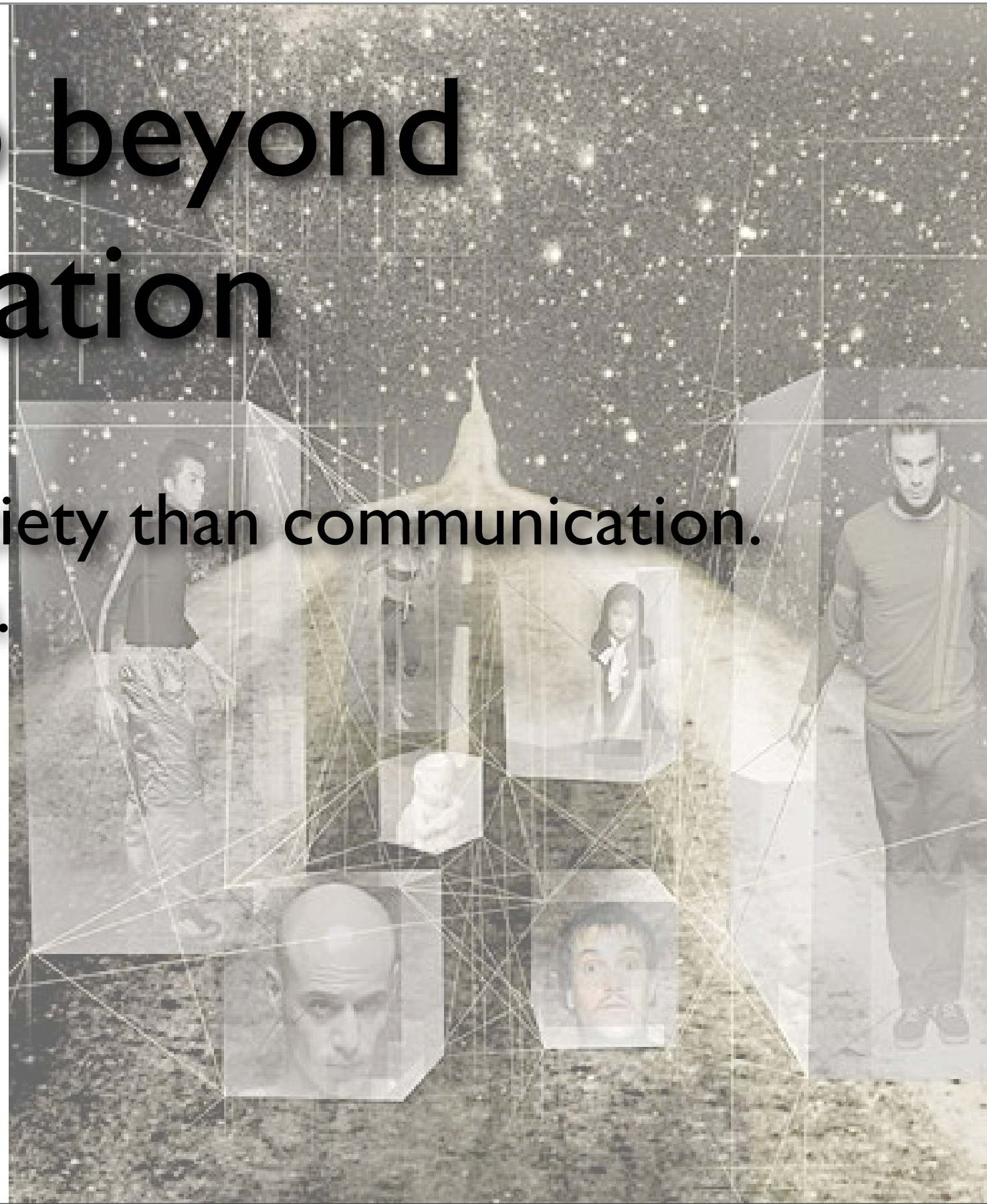


re-creative (Jantsch)
self-organisation
autopoietic (Maturana)
self-organisation
dissipative (Prigogine)
self-organisation



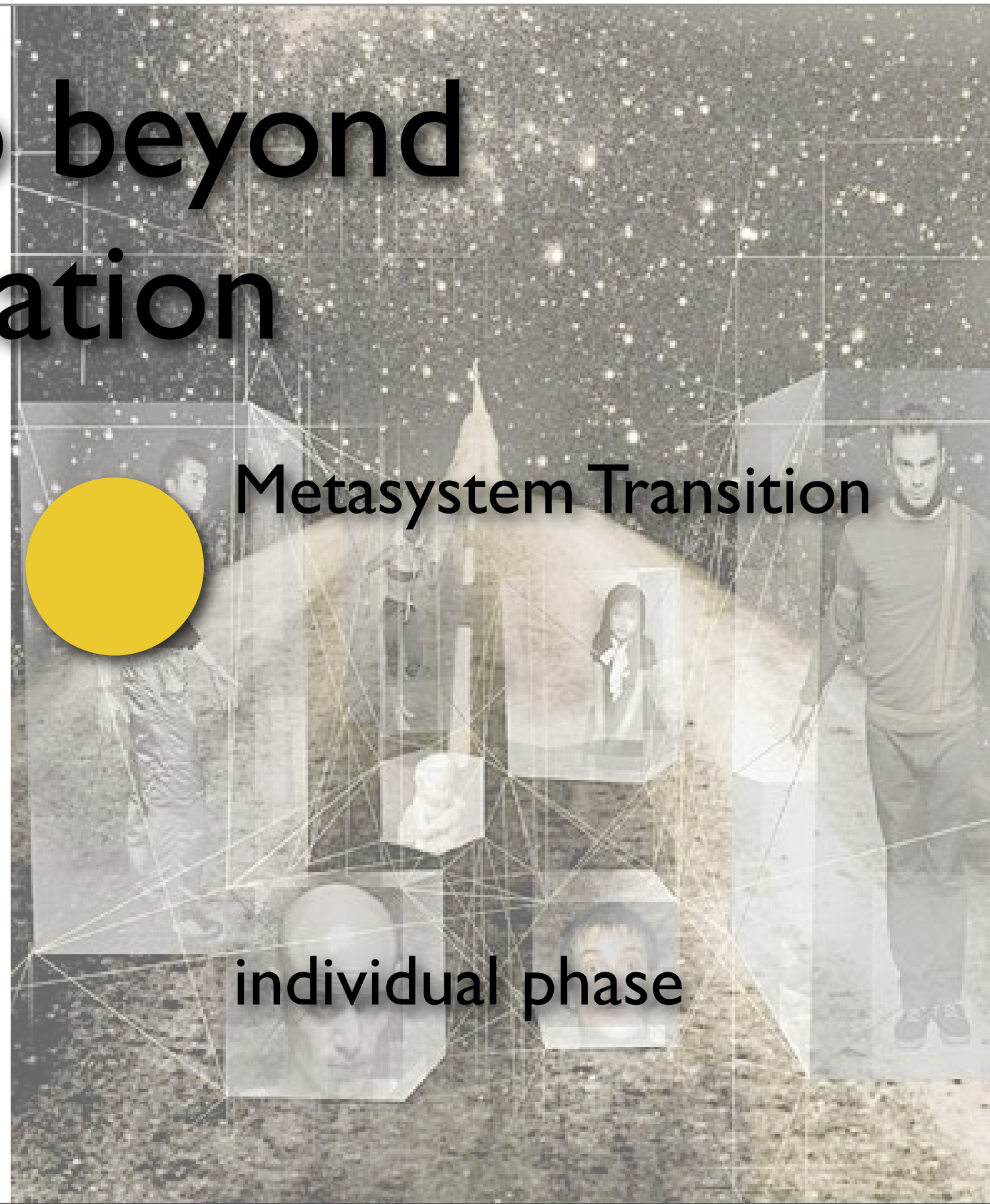
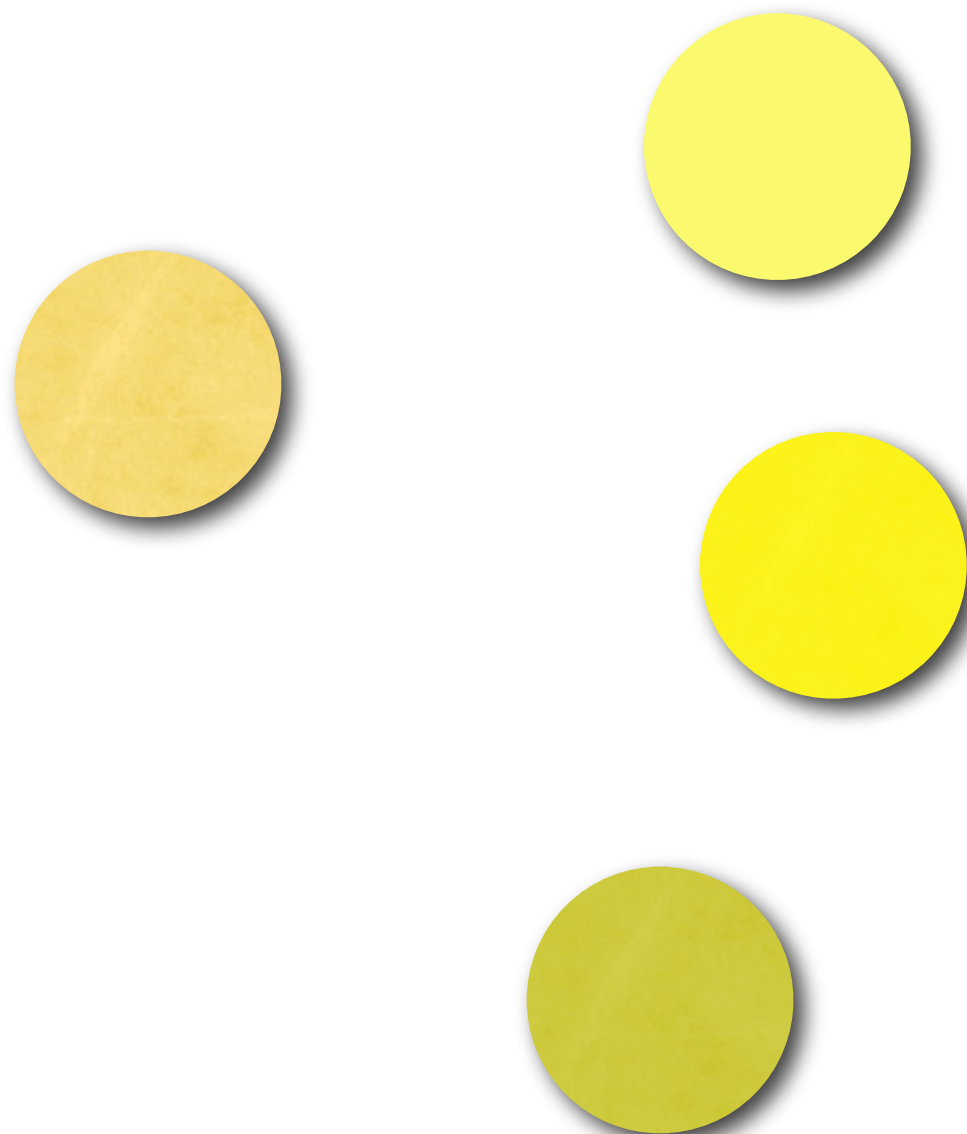
4.2 Why go beyond Communication

There is more to society than communication.
There is cooperation.



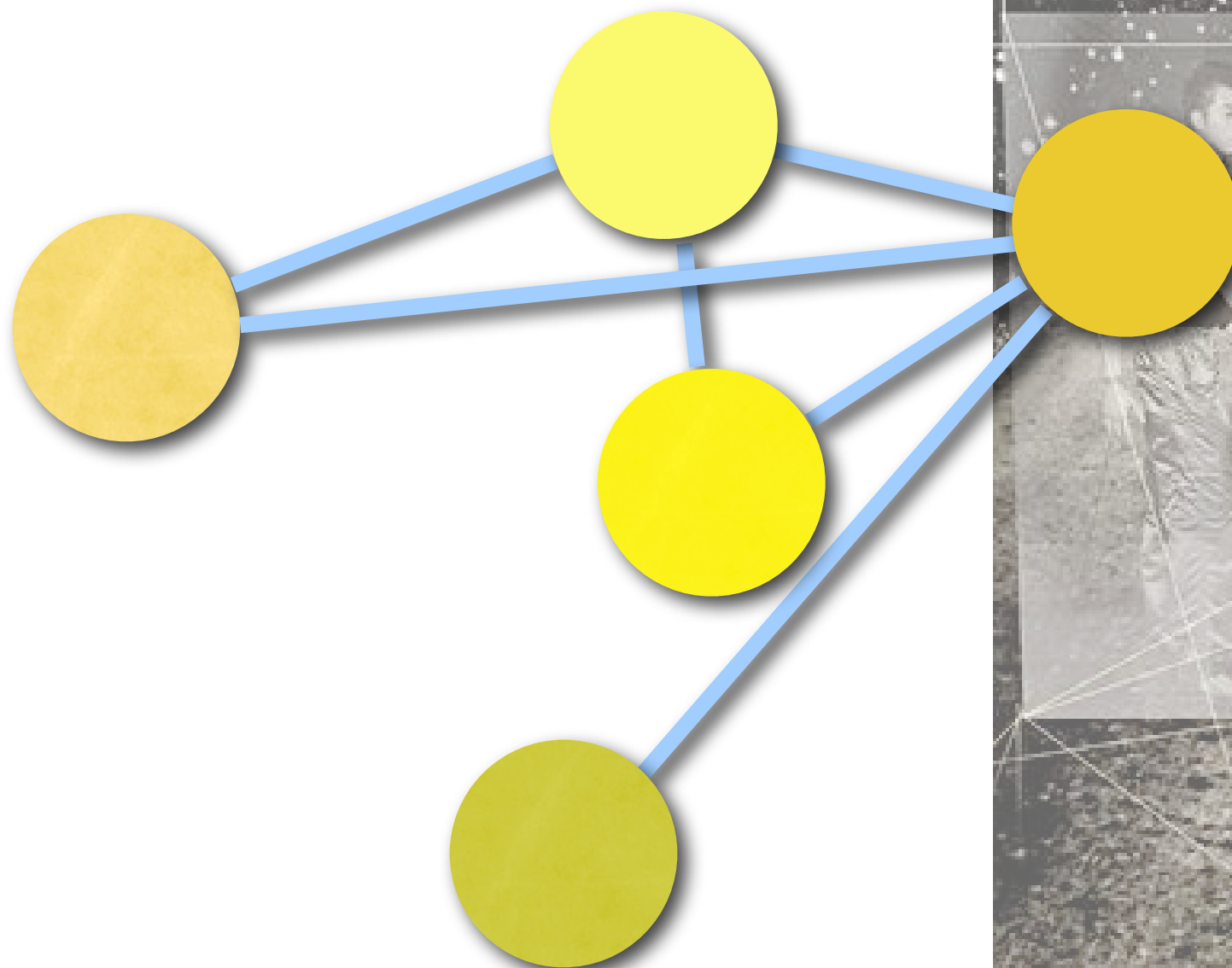


4.2 Why go beyond Communication





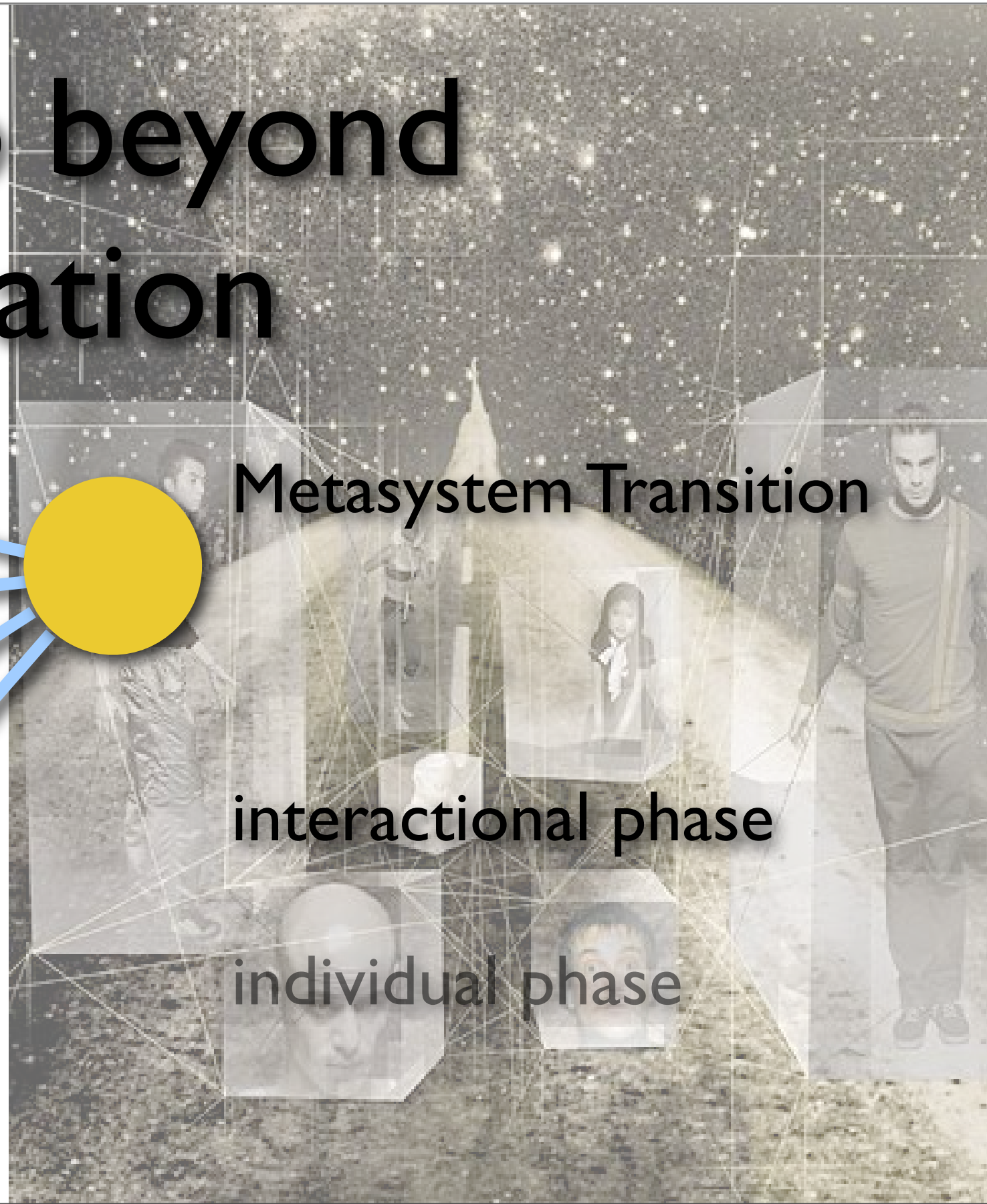
4.2 Why go beyond Communication



Metasystem Transition

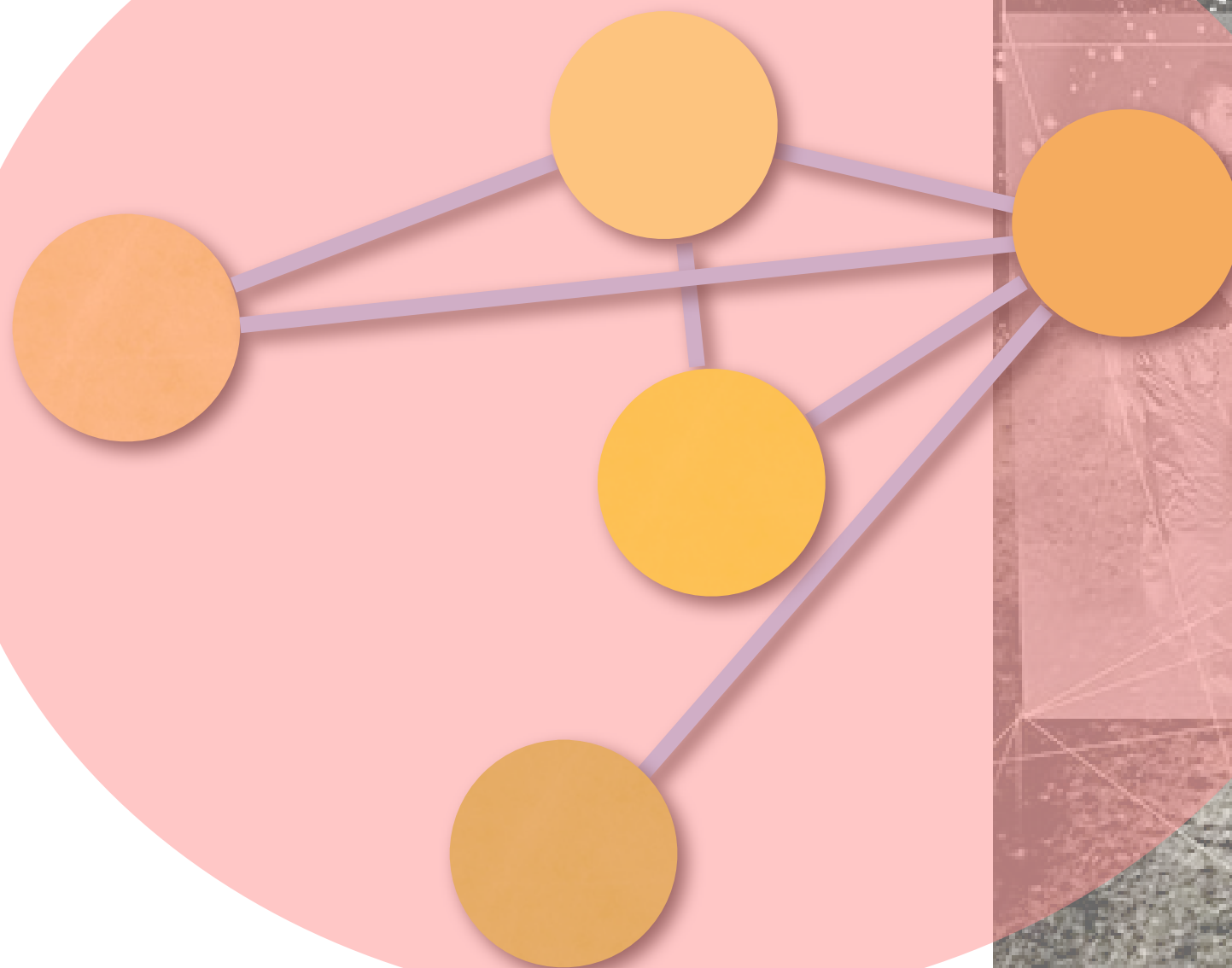
interactional phase

individual phase





4.2 Why go beyond Communication



Metasystem Transition

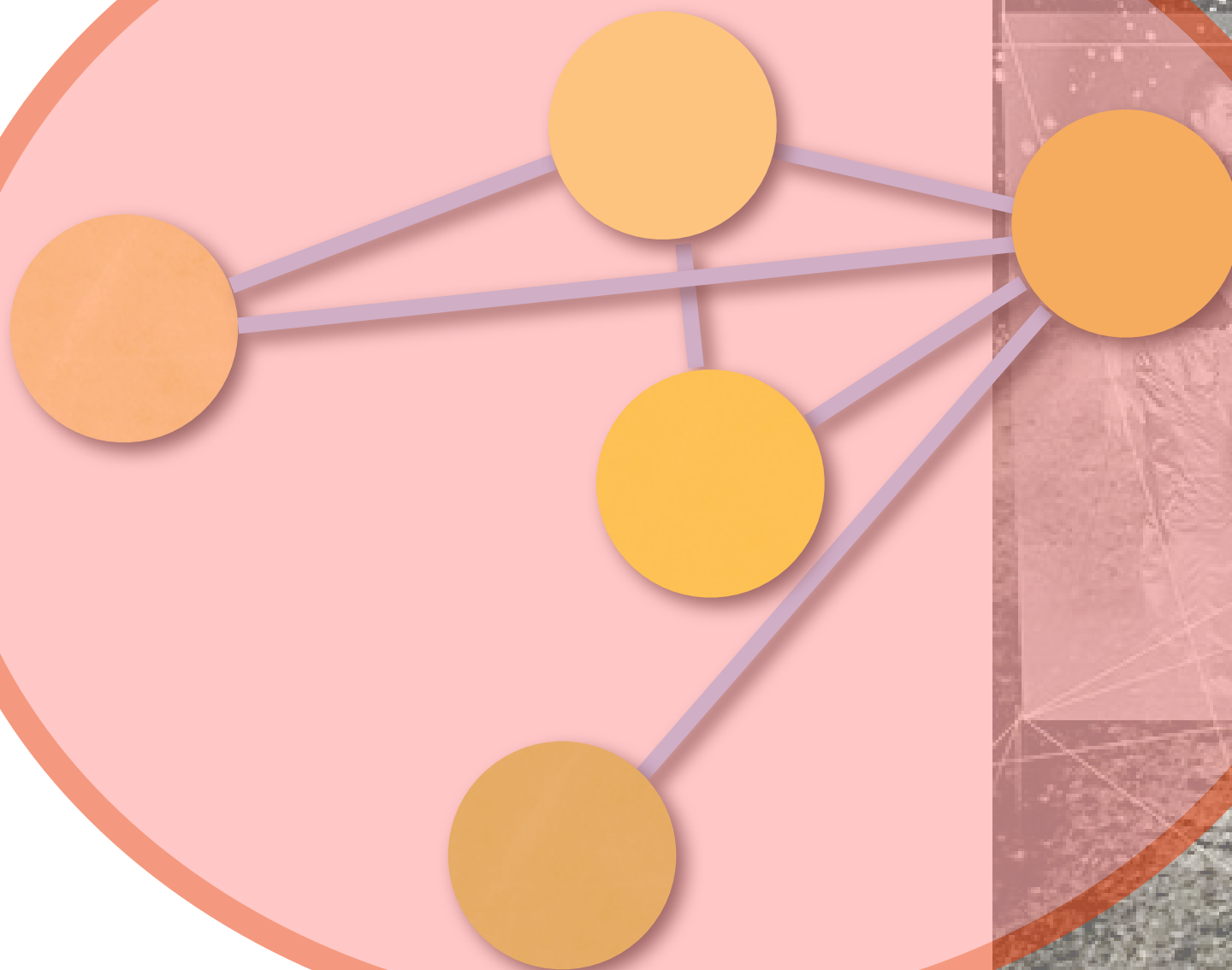
integrational phase

interactional phase

individual phase



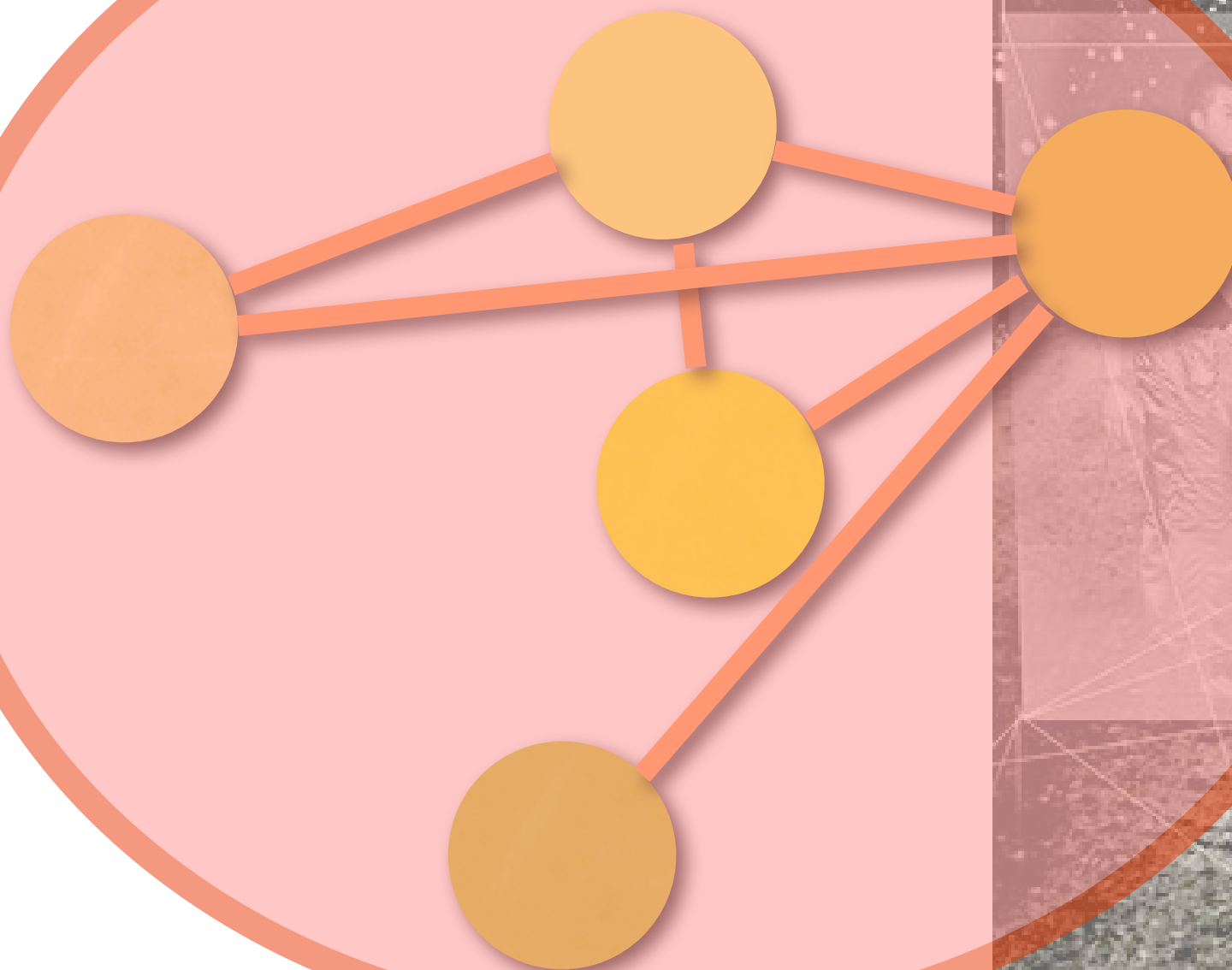
4.2 Why go beyond Communication



Metasystem Transition
= Information Hierarchy
integrational phase
= cooperative level
interactional phase
individual phase



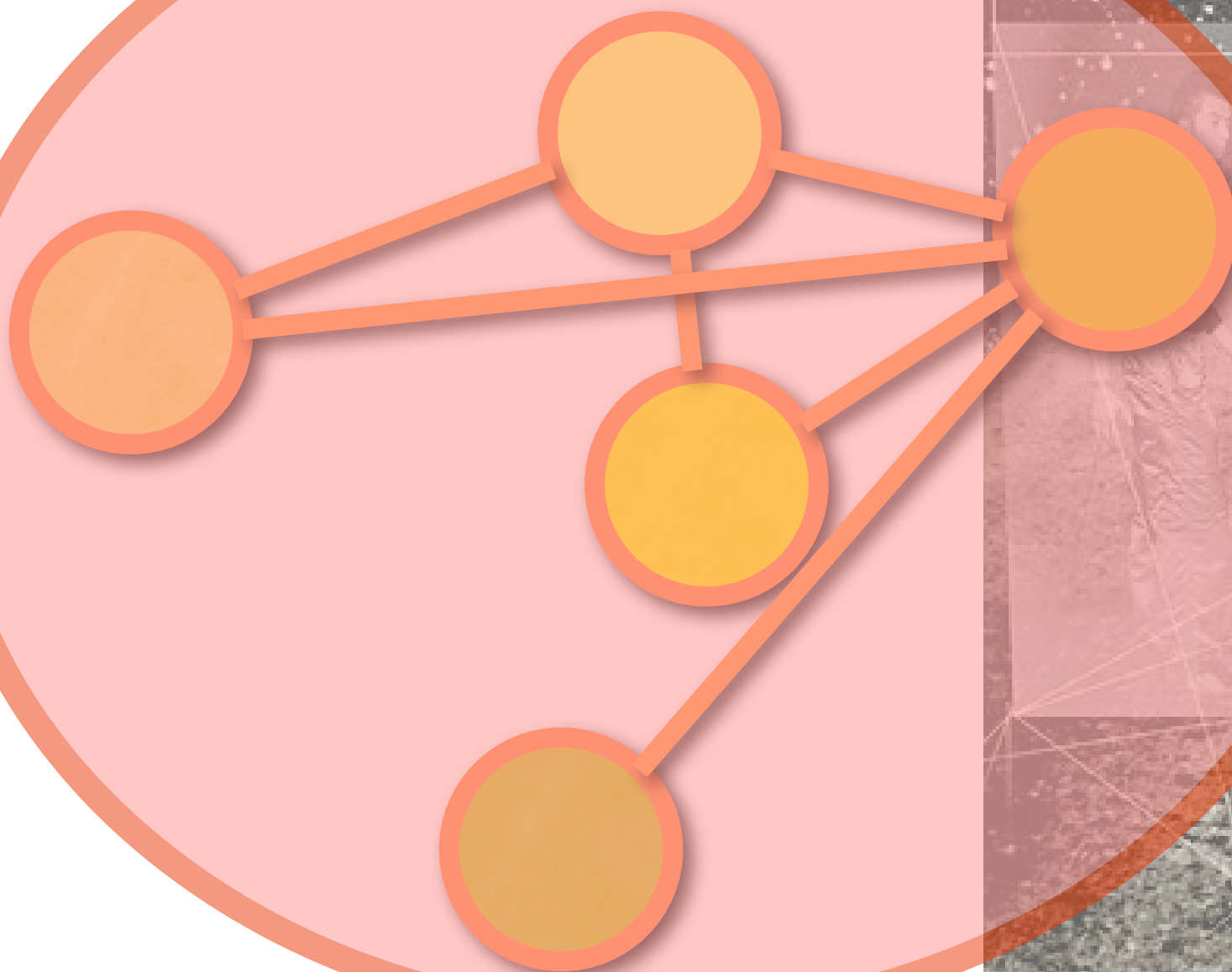
4.2 Why go beyond Communication



Metasystem Transition
= Information Hierarchy
integrational phase
= cooperative level
interactional phase
= communicative level
individual phase



4.2 Why go beyond Communication



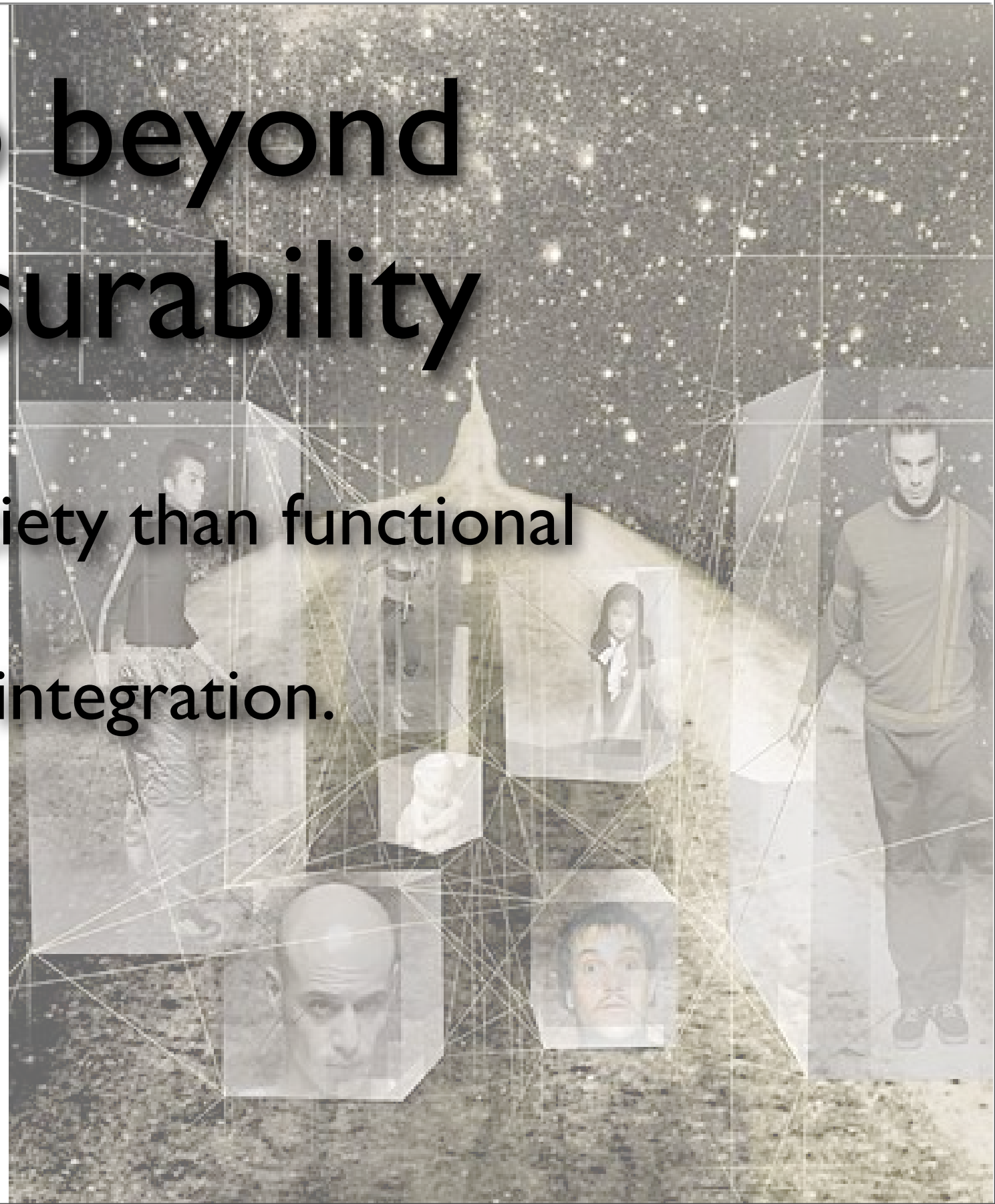
Metasystem Transition
= Information Hierarchy
integrational phase
= cooperative level
interactional phase
= communicative level
individual phase
= cognitive level



4.3 Why go beyond Incommensurability

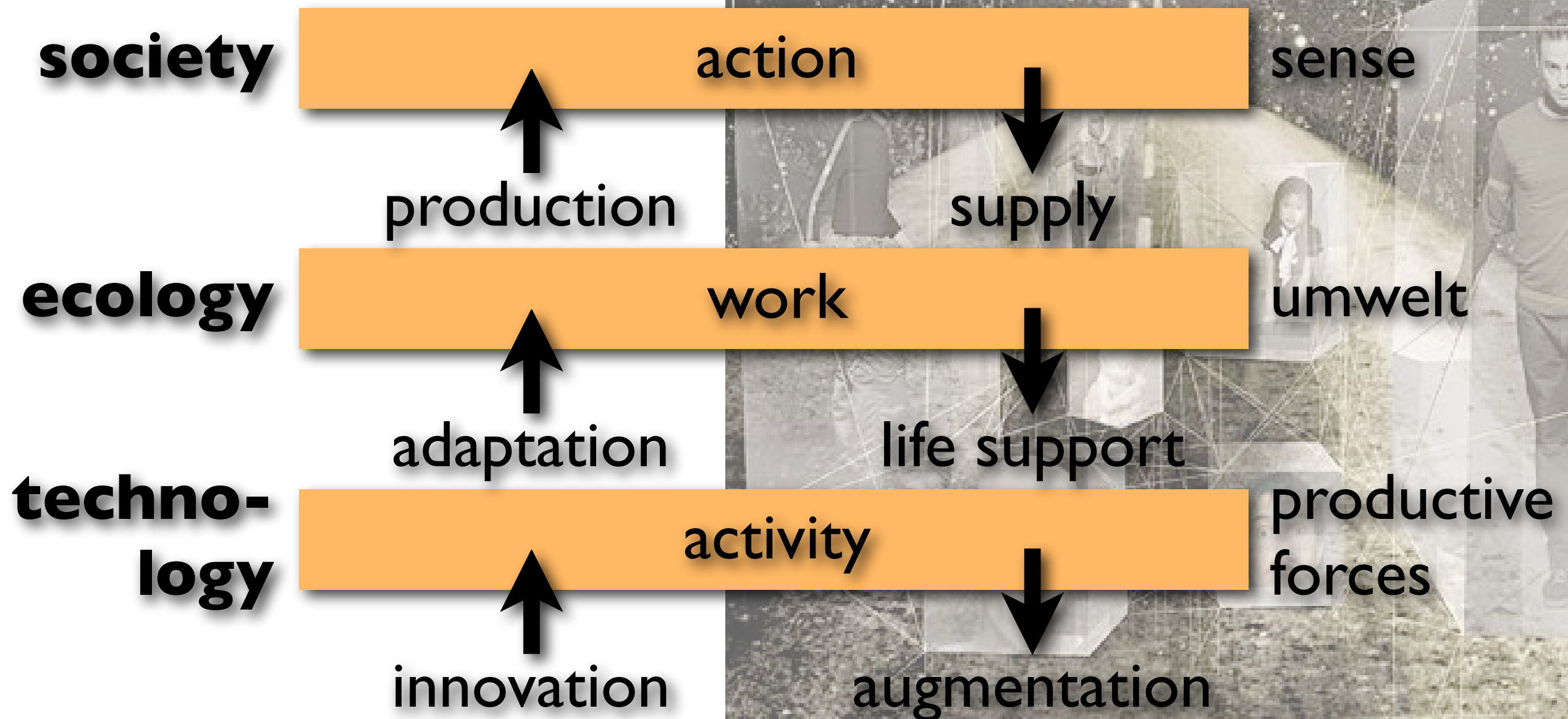
There is more to society than functional
differentiation.

There is hierarchical integration.





4.3 Why go beyond Incommensurability





4.3 Why go beyond Incommensurability

culture

definition

rules

production

legitimation

politics

decision

regularities

production

authorisation

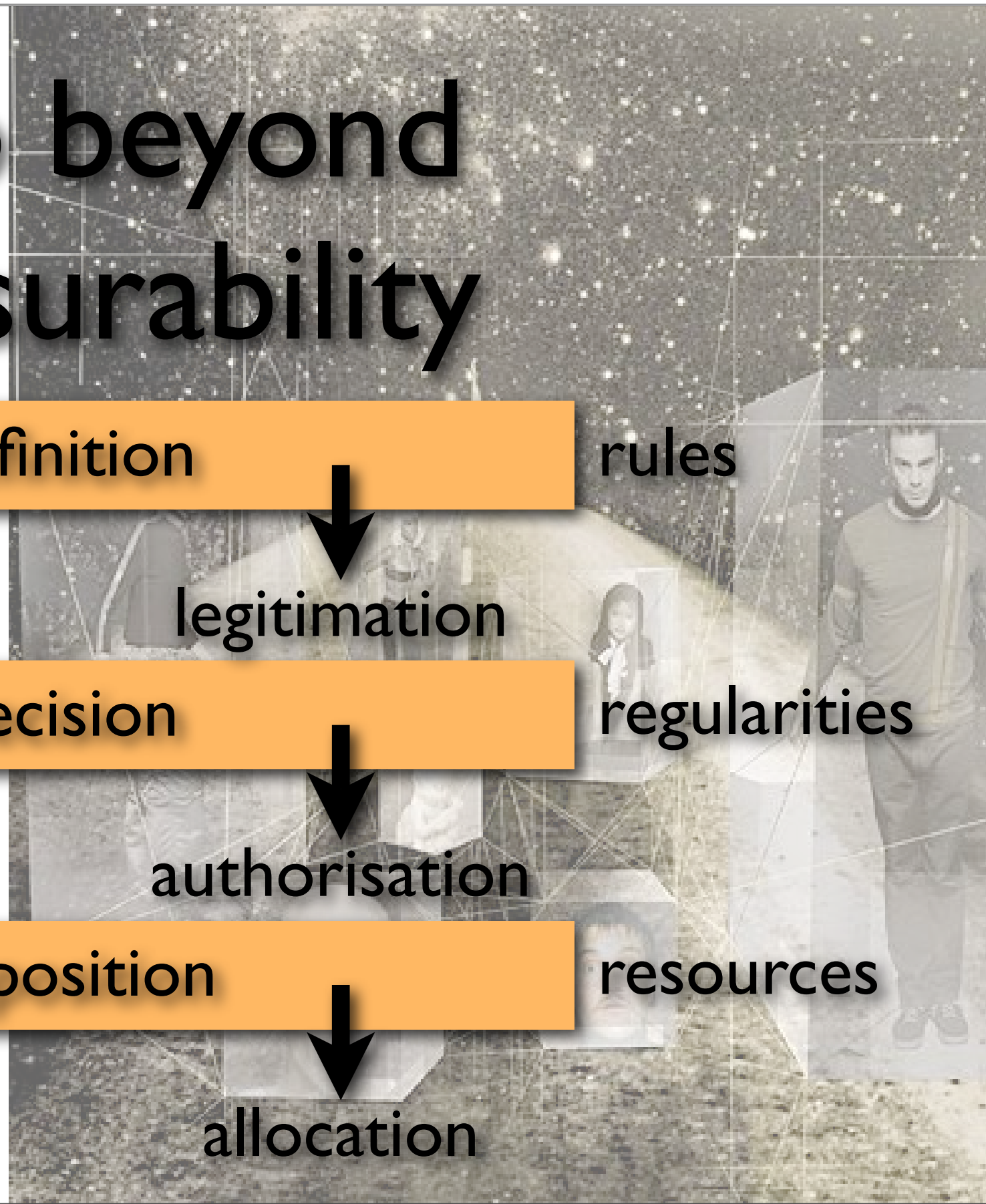
economy

disposition

resources

production

allocation





Conclusion

In order to help bring about a Global Sustainable Information Society we need

- a grand social theory
- a societal systems theory
- a theory of self-organising systems
- a post-Luhmannian theory

