Hierarchy

Social hierarchies

- Power authority
- Aristocraties
- Ecclestical
- Administrative
- Political

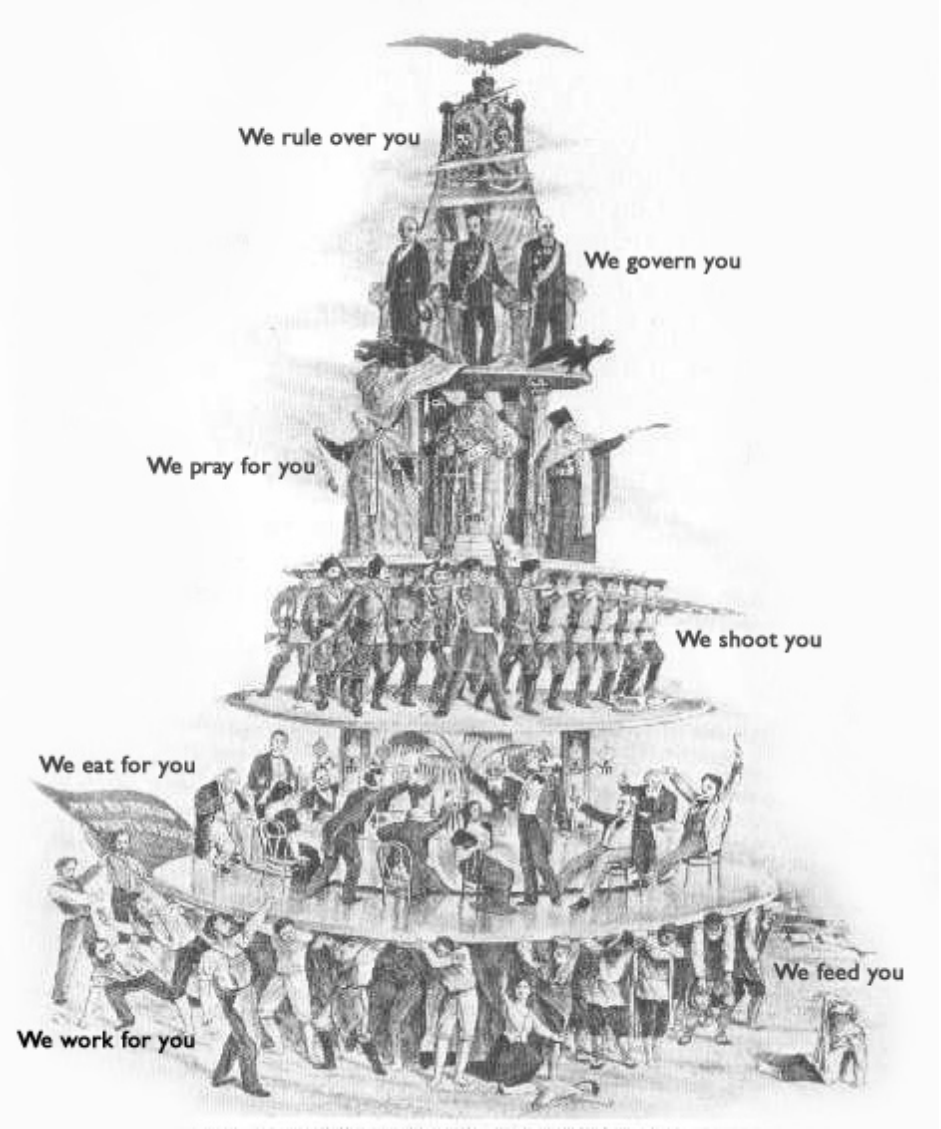
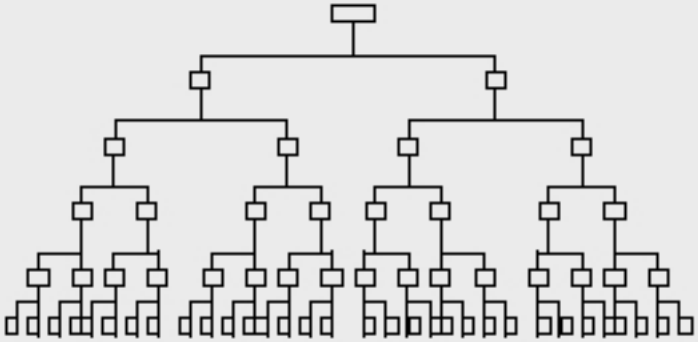
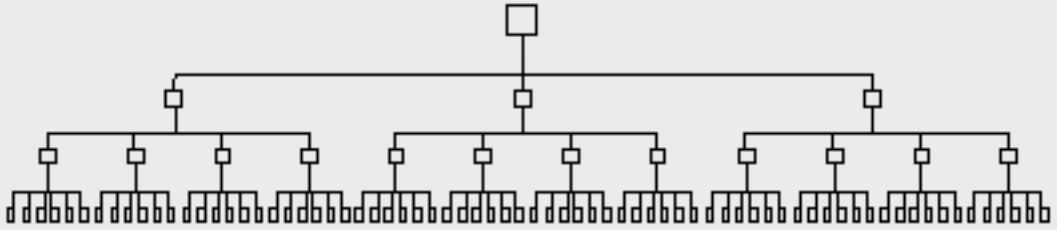


Exhibit 2: Flat vs. Tall Organizational Hierarchy

Tall Organizational Structure

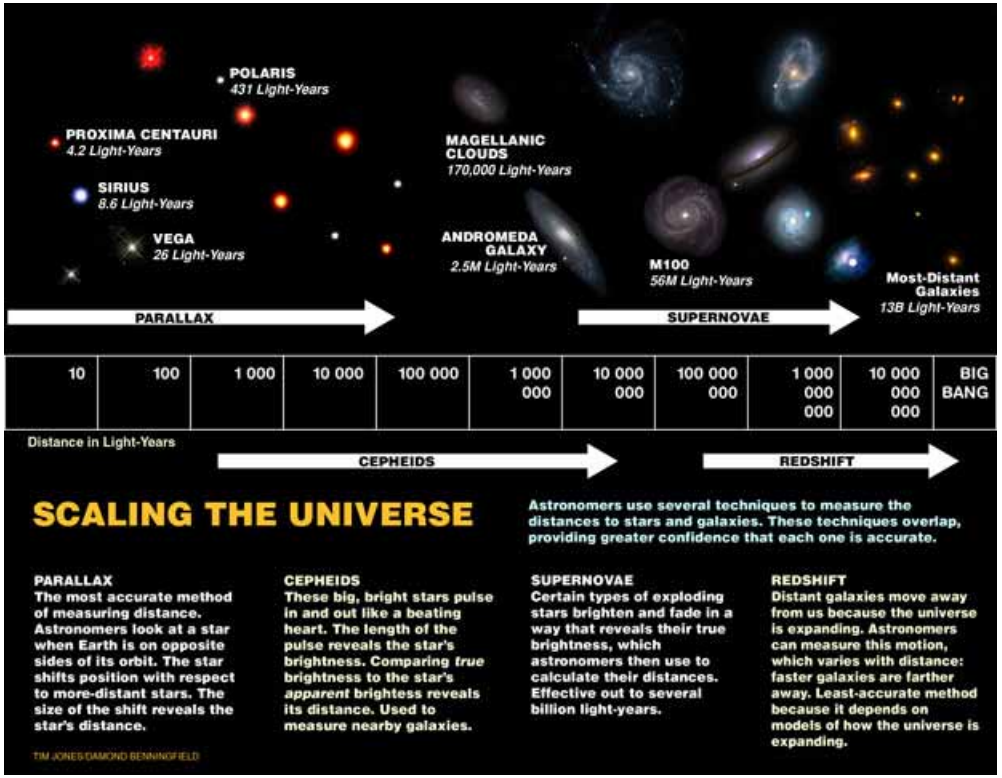


Flat Organizational Structure



Hierarchies in science

- The Universe



Hierarchies in knowledge

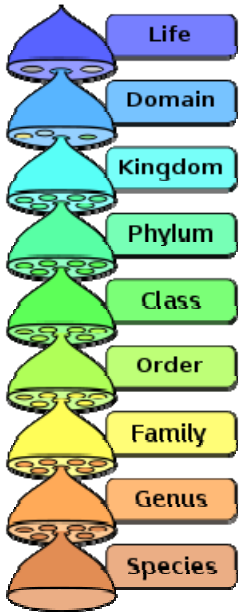
- Math→Physics→Chemistry→Biology→Psychology→Sociology

- Pro et Contra argumentation, dialectic argumentation. Hierarchies of arguments.

Notes to table

Biological classification

Main taxonomic ranks			
Latin		English	
regio		domain	
regnum		kingdom	
phylum	*divisio*	phylum[1]	division[2]
classis		class	
ordo		order	
familia		family	
genus		genus	
species		species	



The atom
The molecule, a grouping of atoms
The organelle, a functional grouping of biomolecules
The cell, the basic unit of all life and the grouping of organelles
The tissue, a functional grouping of cells
The organ, a functional grouping of tissues
The organ system, a functional grouping of organs
The organism, the basic living system, a functional grouping of the lower-level components, including at least one cell
The population, a grouping of organisms of the same species
The biocoenosis or community, an interspecific grouping of populations
The ecosystem, a grouping of organisms from all biological domains in conjunction with the physical (abiotic) environment
The biosphere, the complete set of ecosystems

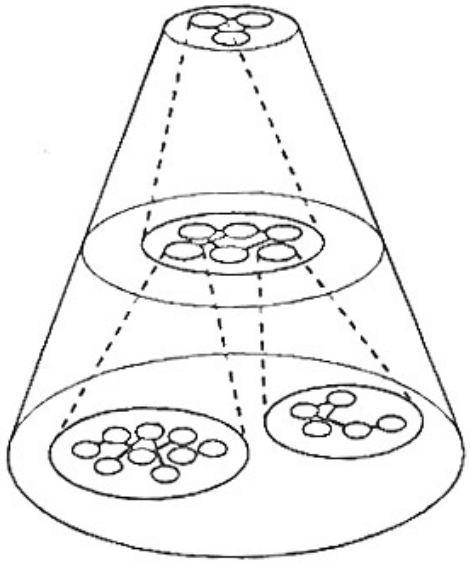


Figure 2.3 A multilevel systems hierarchy.

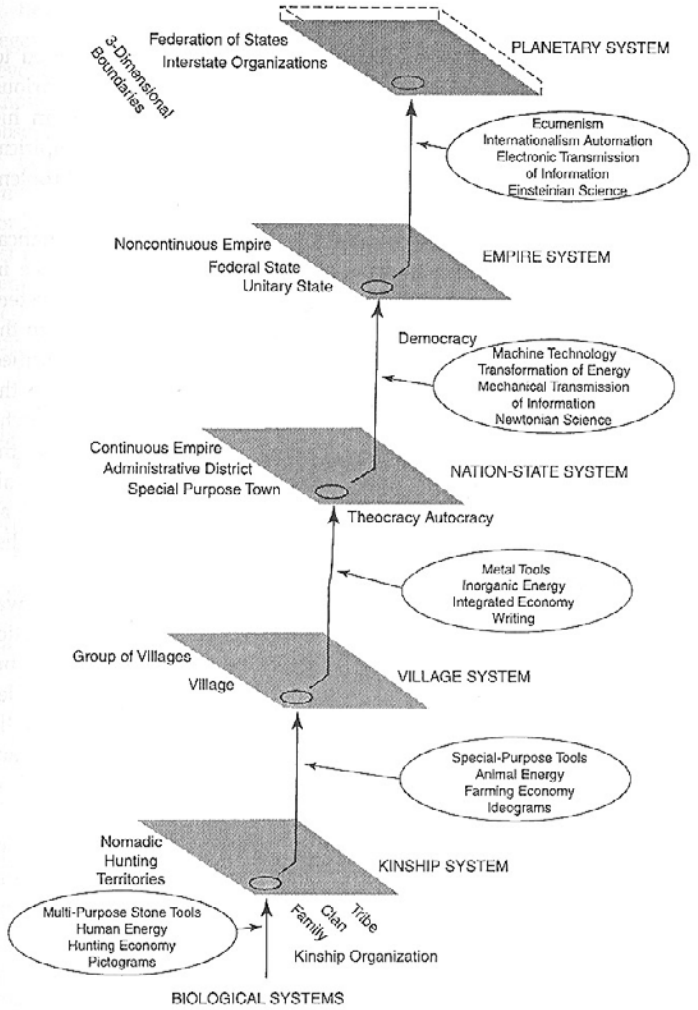
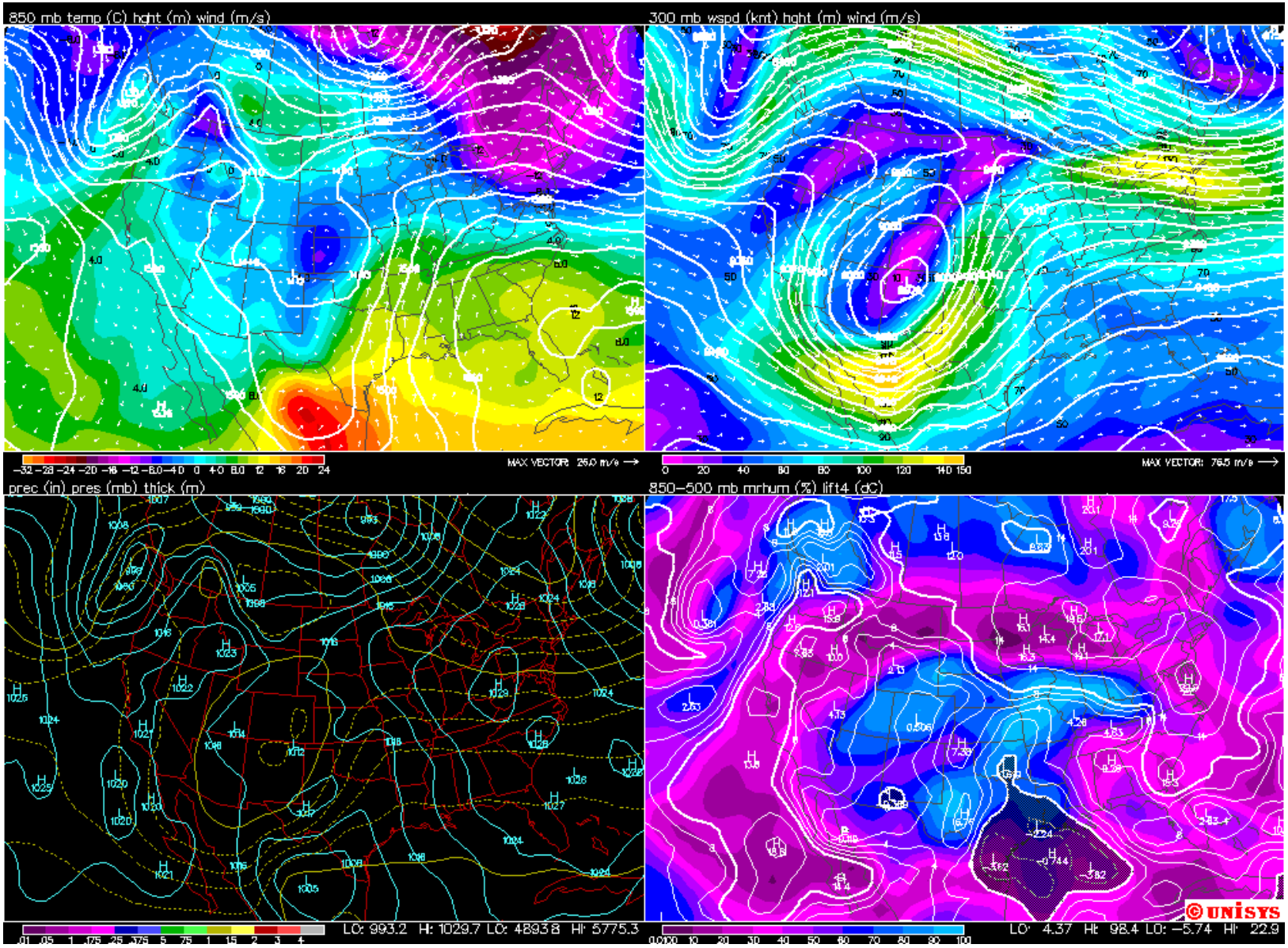
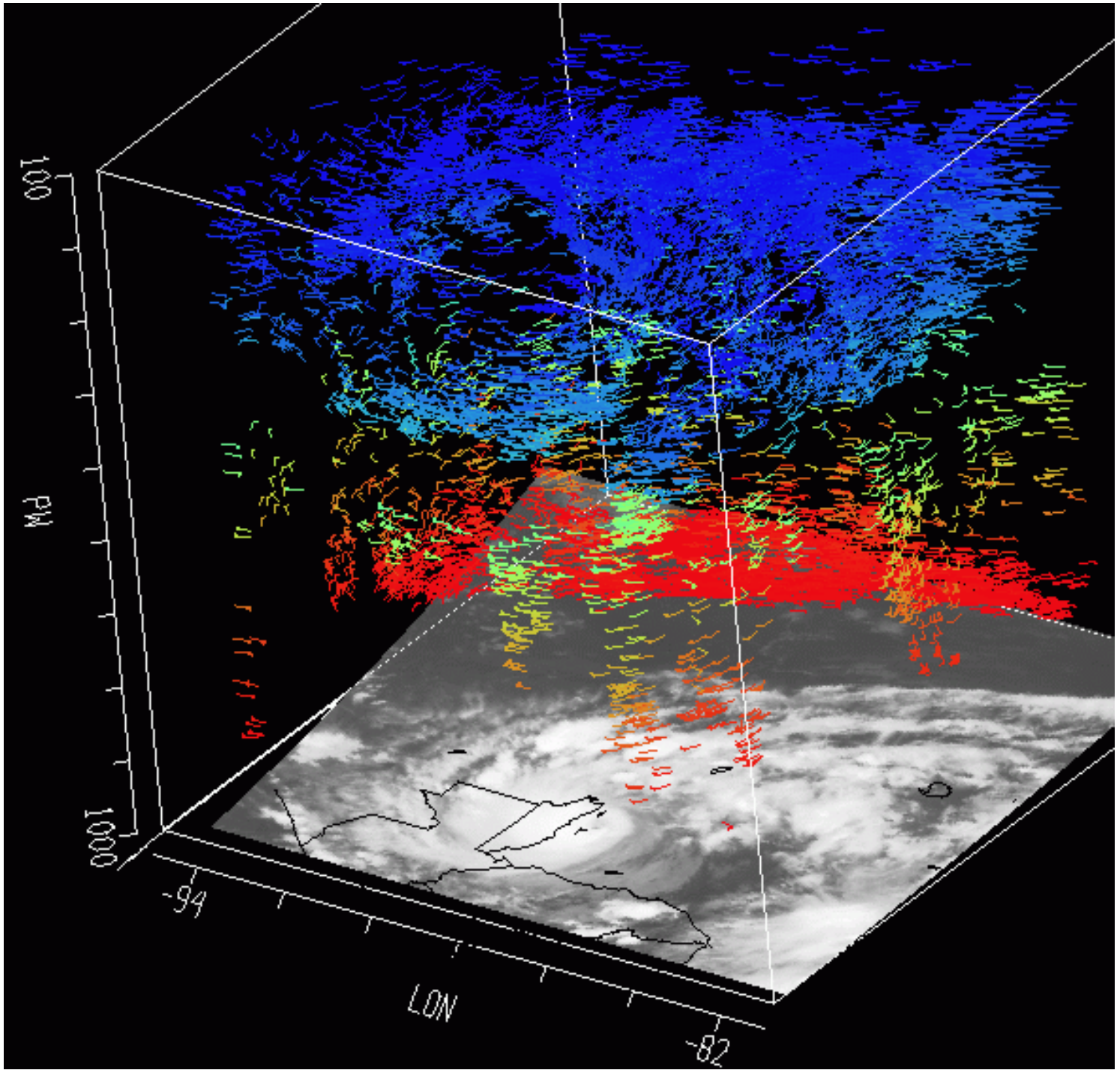


Figure 3.14 The emergence of geopolitical systems.

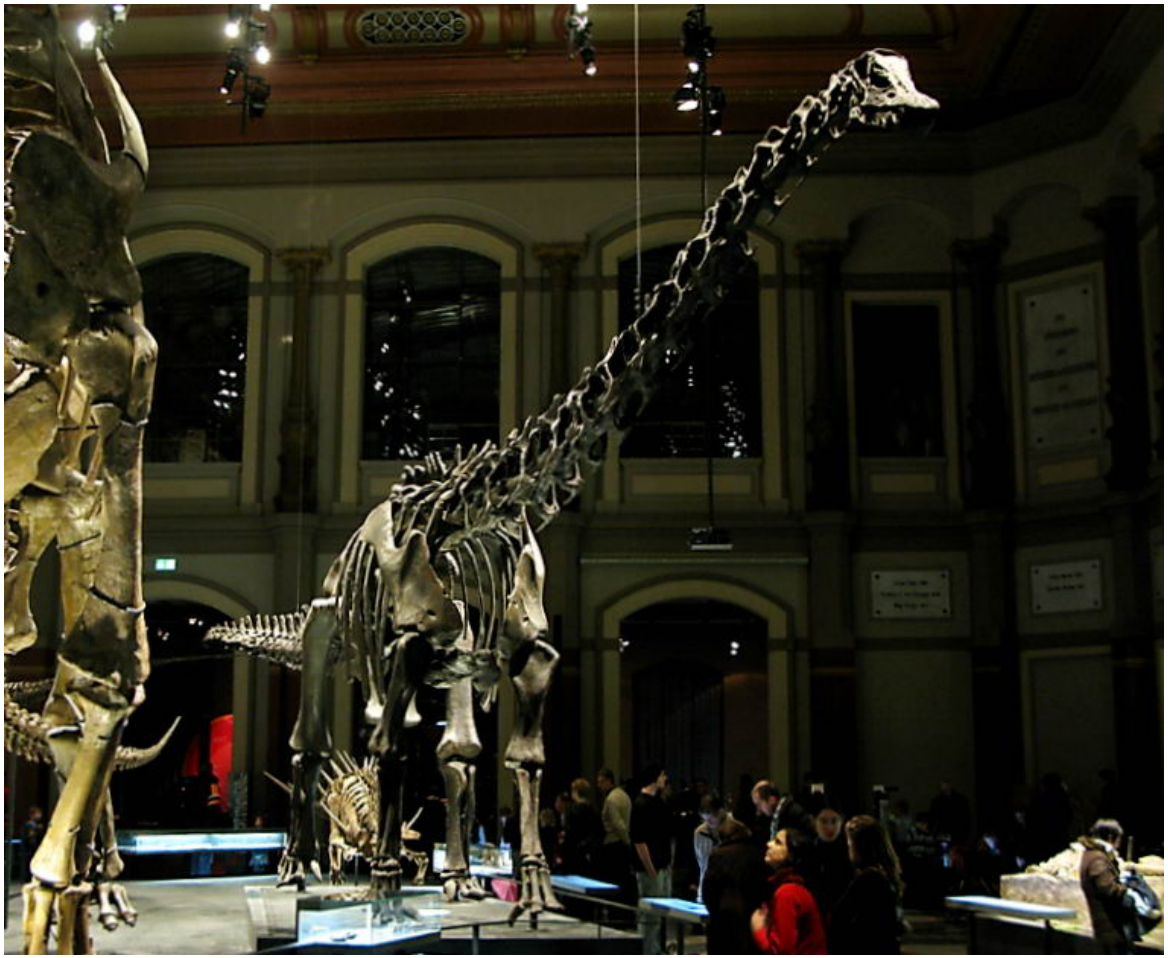
FreeFoto.com


850 mb temp (C) hght (m) wind (m/s)
MAX VECTOR: 26.0 m/s
300 mb wspd (knt) hght (m) wind (m/s)
MAX VECTOR: 76.5 m/s
prec (in) pres (mb) thick (m)
LO: 993.2 Hi: 1029.7 LO: 4893.8 Hi: 5775.3
850-500 mb rhrhum (%) lift4 (dC)
LO: 4.37 Hi: 98.4 LO: -5.74 Hi: 22.9
©UNISYS

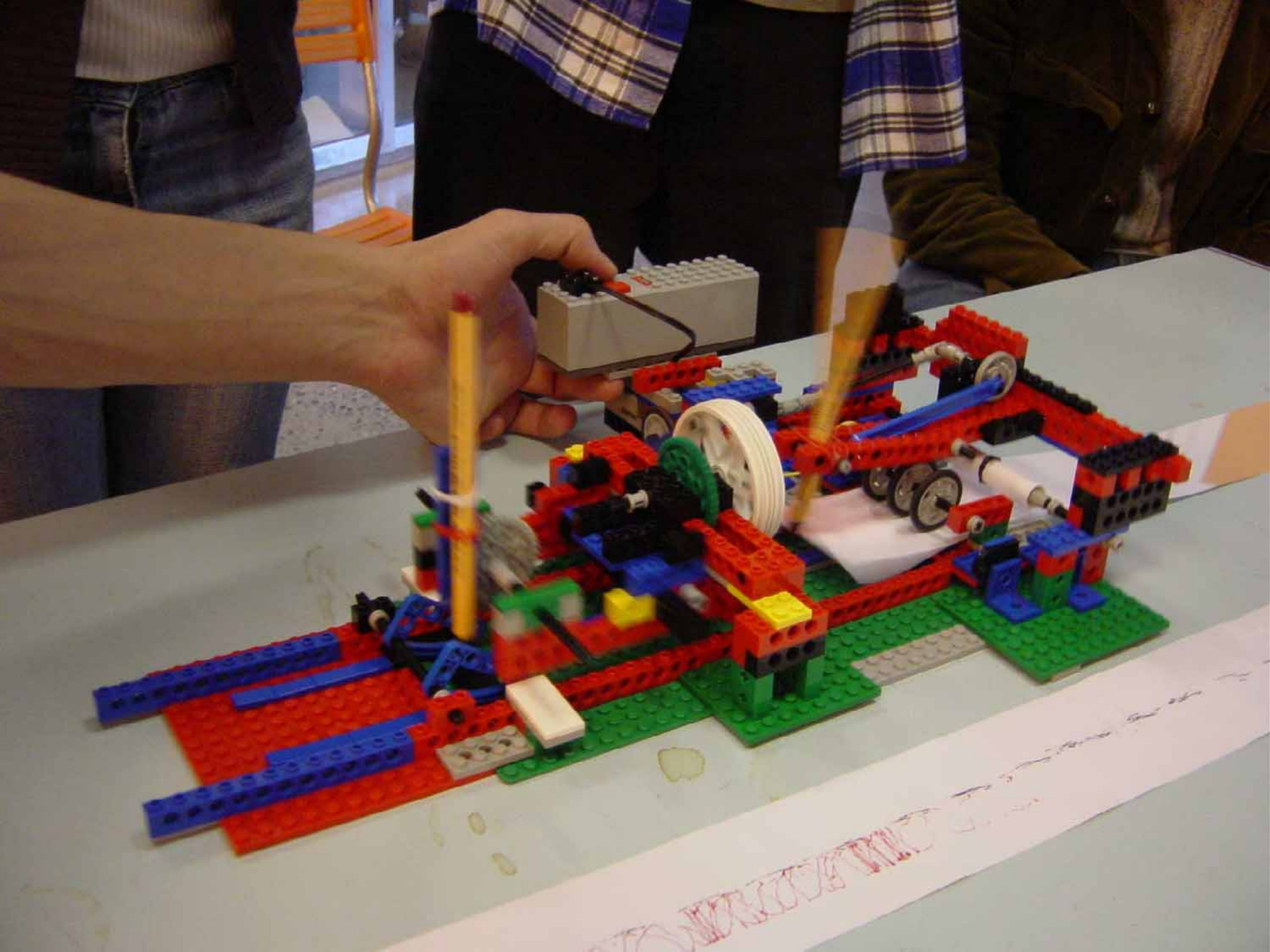

100
PW
1000
-94
LON
-82

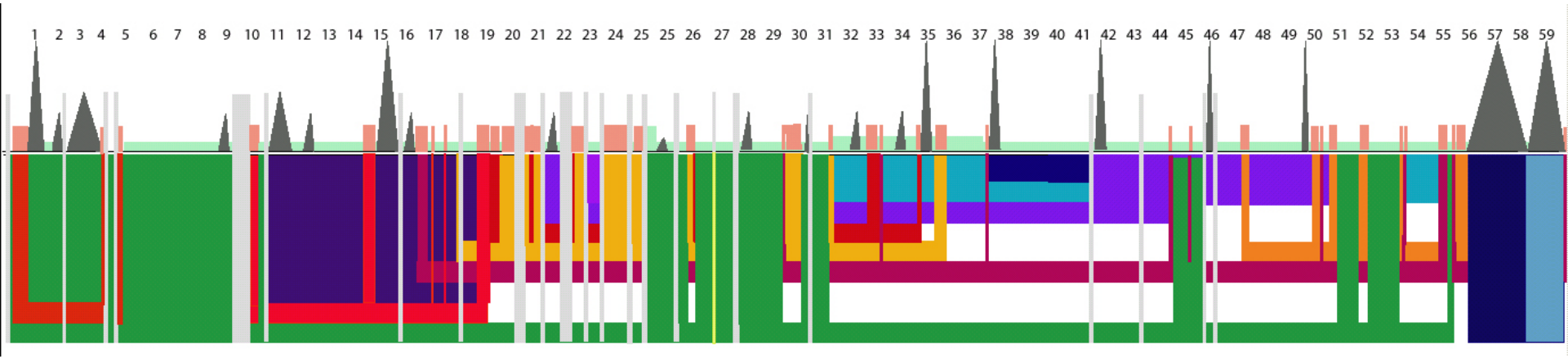
Combined functiones

Specialised. Why?



What is most important in a bike: the weels or the frame? The pedals? The steering? Brakes?

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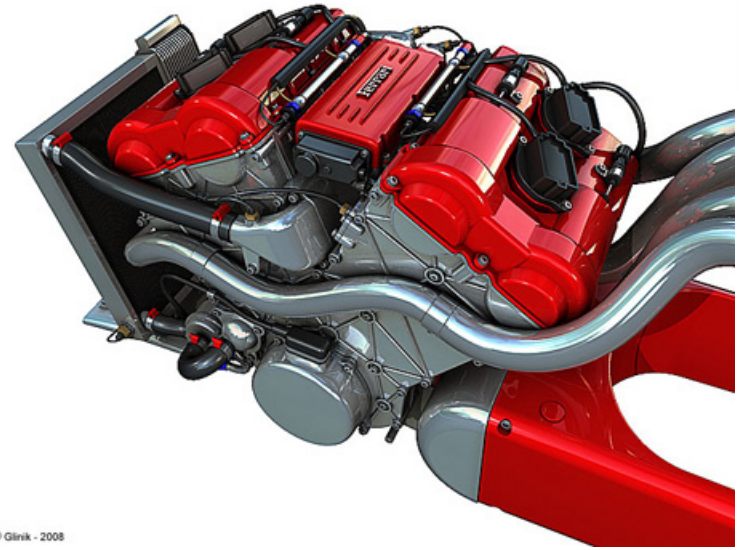

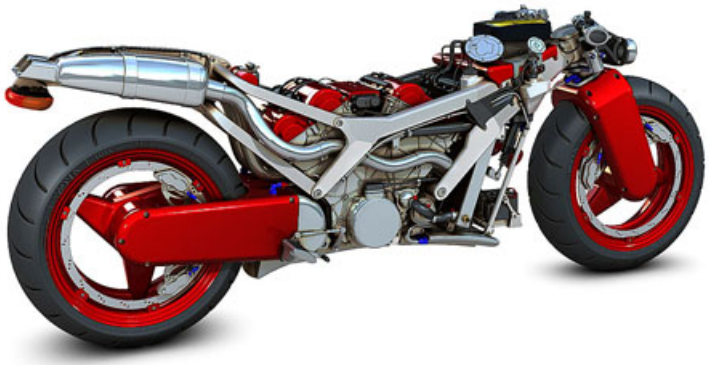

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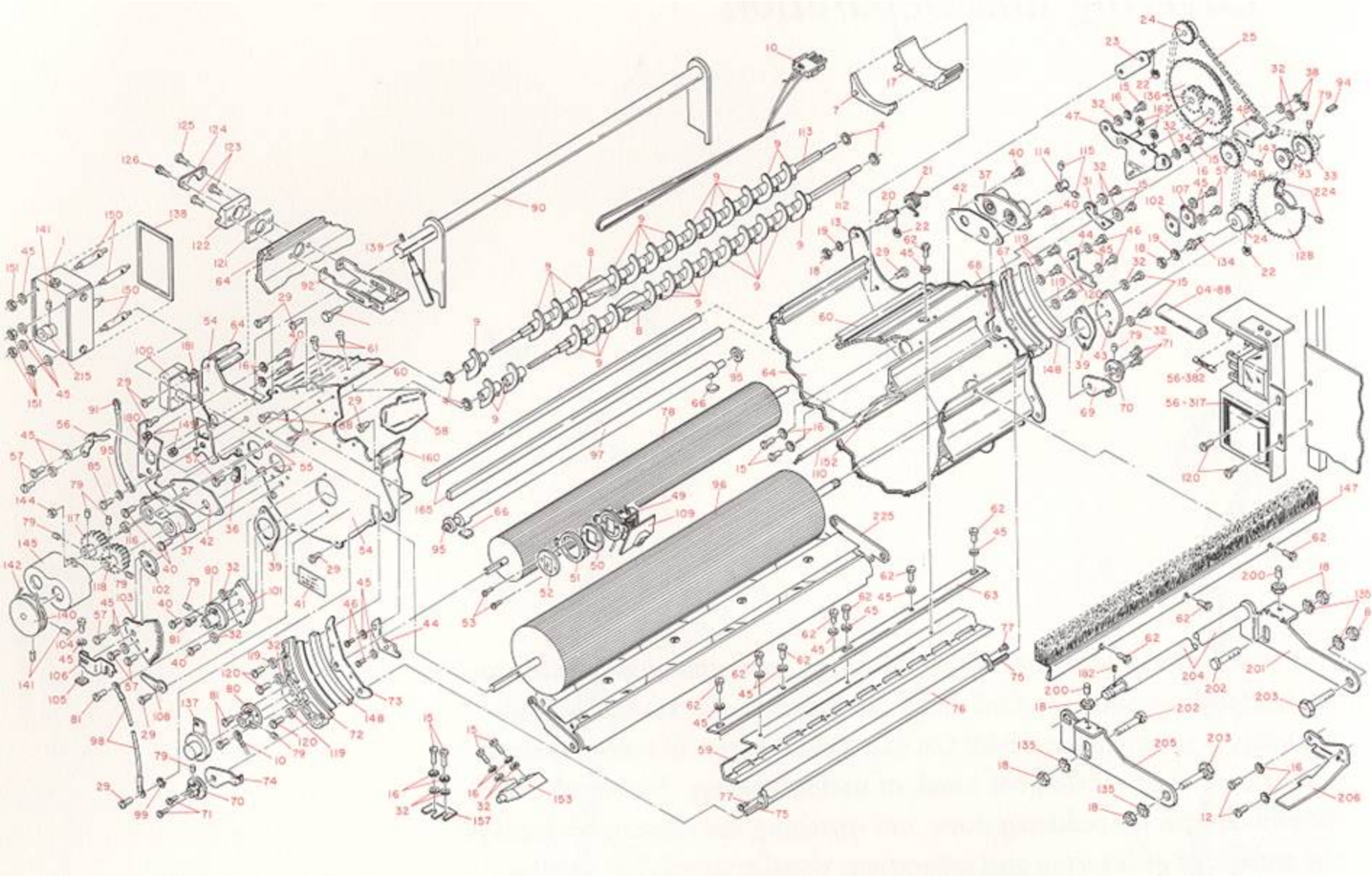
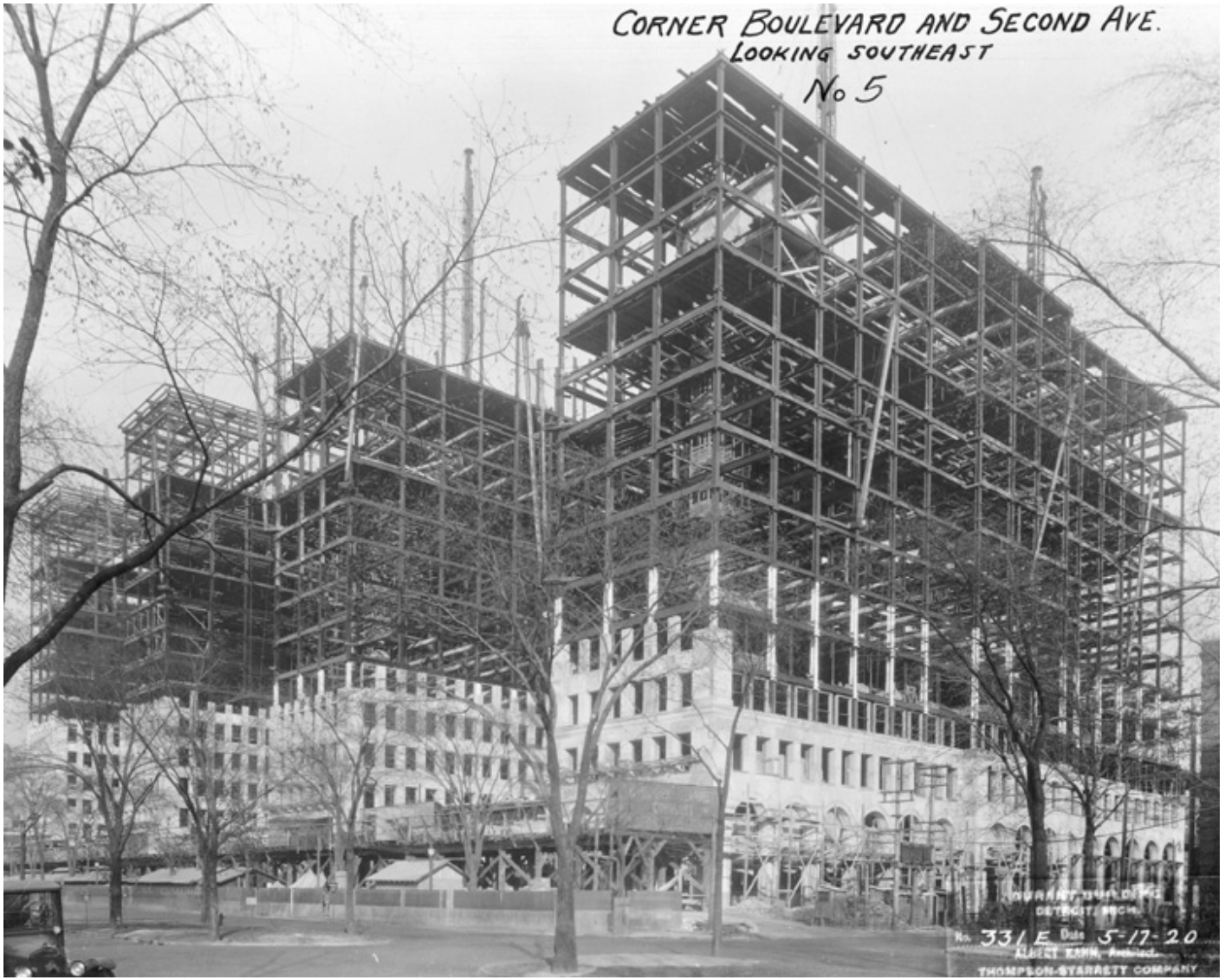
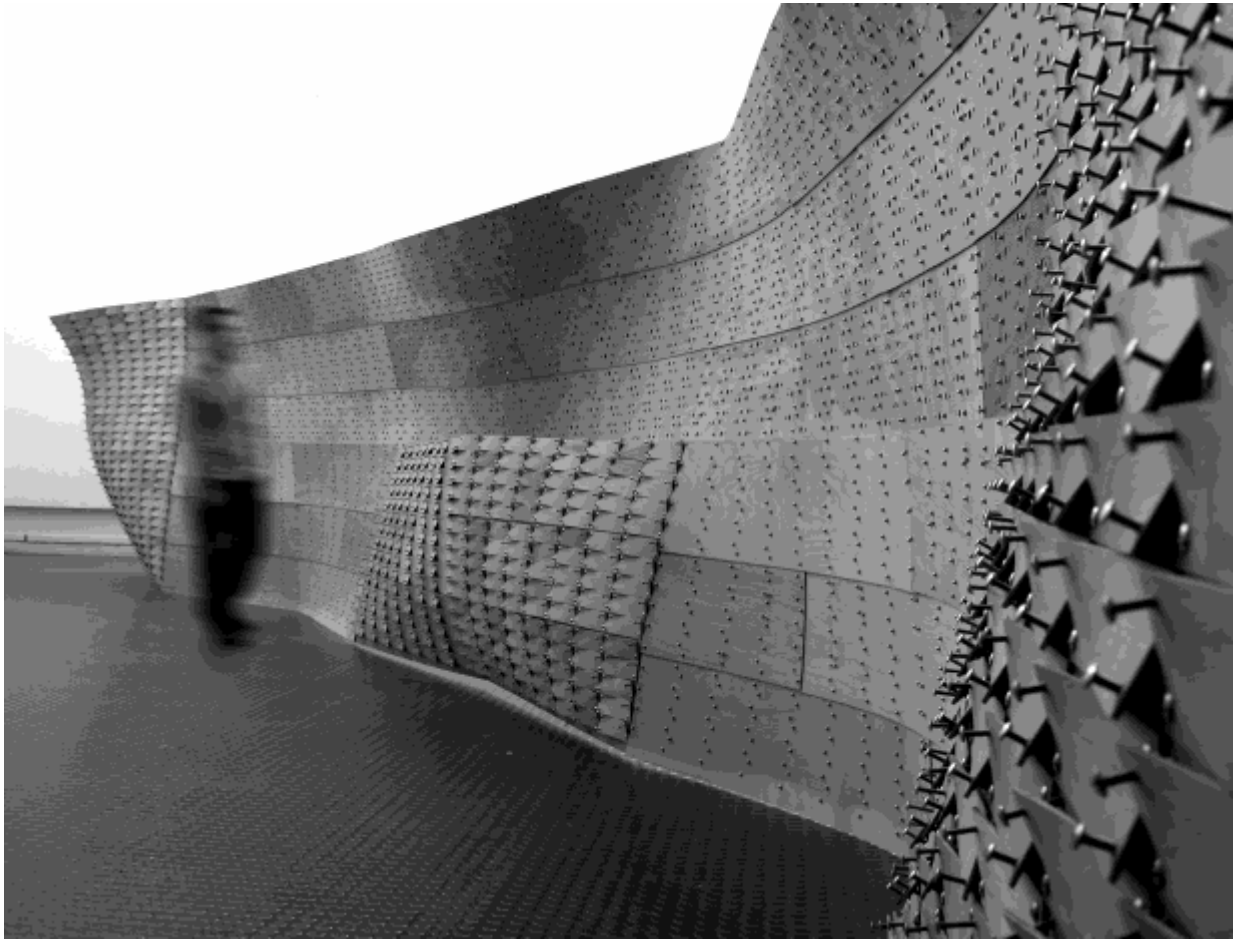




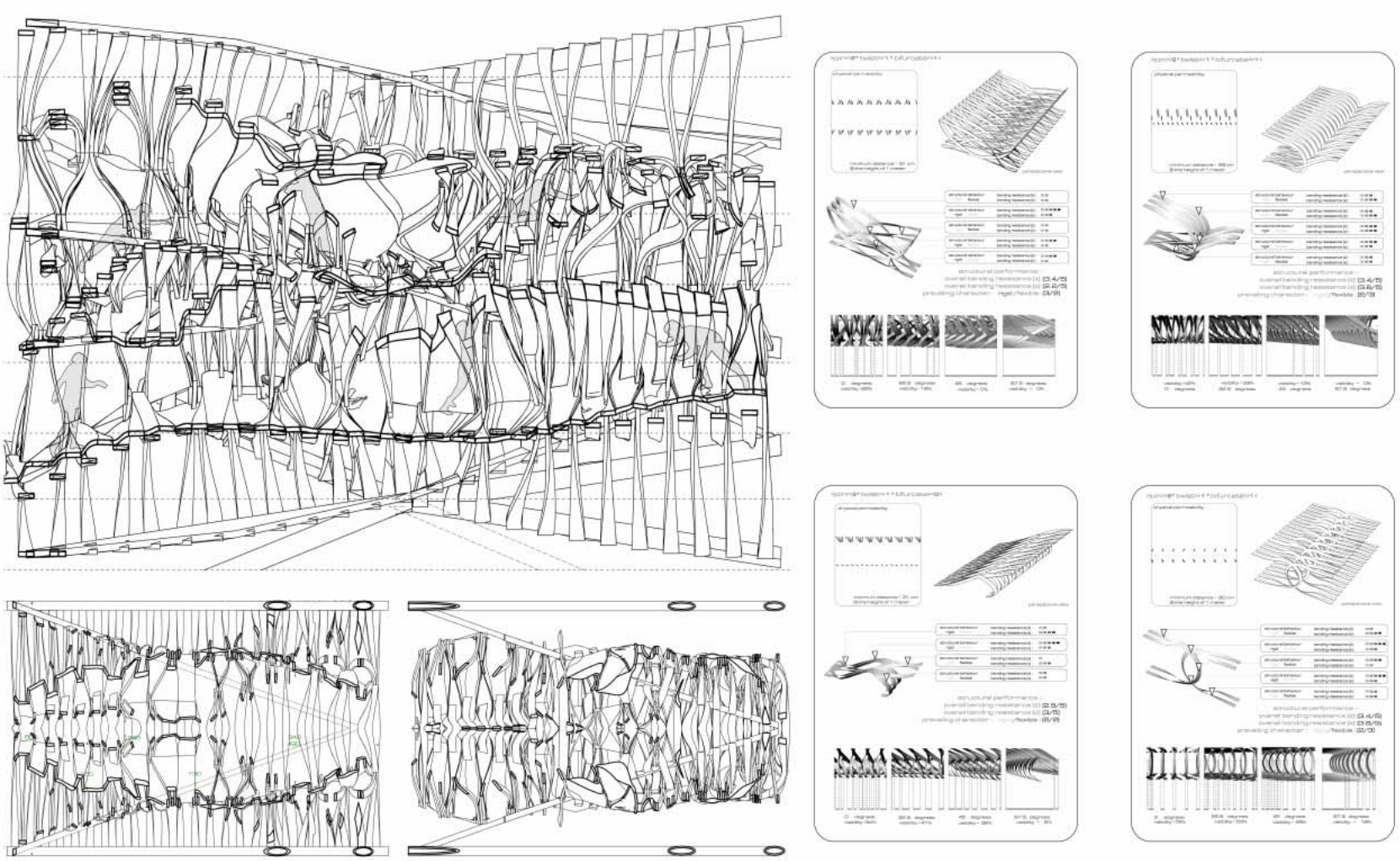
Separation of functions and introduction of hierarchy: loadbearing elements and facade elements

From Heidal

Timber is both loadbearing and facade.



Diversification: field distribution of functions



Unit 4 at the Architectural Association, diploma students Dimitrios Tsigos and Hani Fallaha

Starling video

- http://www.youtube.com/watch?v=8jr64WSzkTo&feature=related