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Emergent System Language Basics:

Individual user: Someone who creates micros within a macro or otherwise interfaces with an emergent system.

Human Node: An individual user on a network.

Microelement: Emergent on Non-Emergent Container created by an individual user.

Micro-node: Building Block that acts as DNA of the Micro.

Macro: Overall Eco-System or Community of Micros. Individual users add Micros into a Macro. The relationships between the different Micros on the system determine the behavior of the overall Macro.

Network: Refers to the relationships between the communities of Micros within the Macro.

Examples:

Sound Ecologies:

< Micro Level >

- User creates a small local ecosystem that forms the scaffolding of the microelement of the system.
- This micro ecosystem contains a number of micro-nodes that emerge the genetic makeup of the microelement.
- This microelement therefore, is itself a system of networked connection of micro-modes.
- The relationships between these micro-nodes, and a specific set of rules that govern the behavior of these micro-nodes.
- The DNA of the microelement is based on these behaviors.
- The DNA of this microelement results in a sound based on additive synthesis.

< Macro Level >

- Smaller microelements (sounds) are thrown into this larger Macro community, where Individual Users move them around to create music.
- Microelements form a network within this ecosystem.
- The relationships between these microelements, and the specific set of rules govern the behavior of these microelements.
- These behaviors determine the music created by this sound ecology.

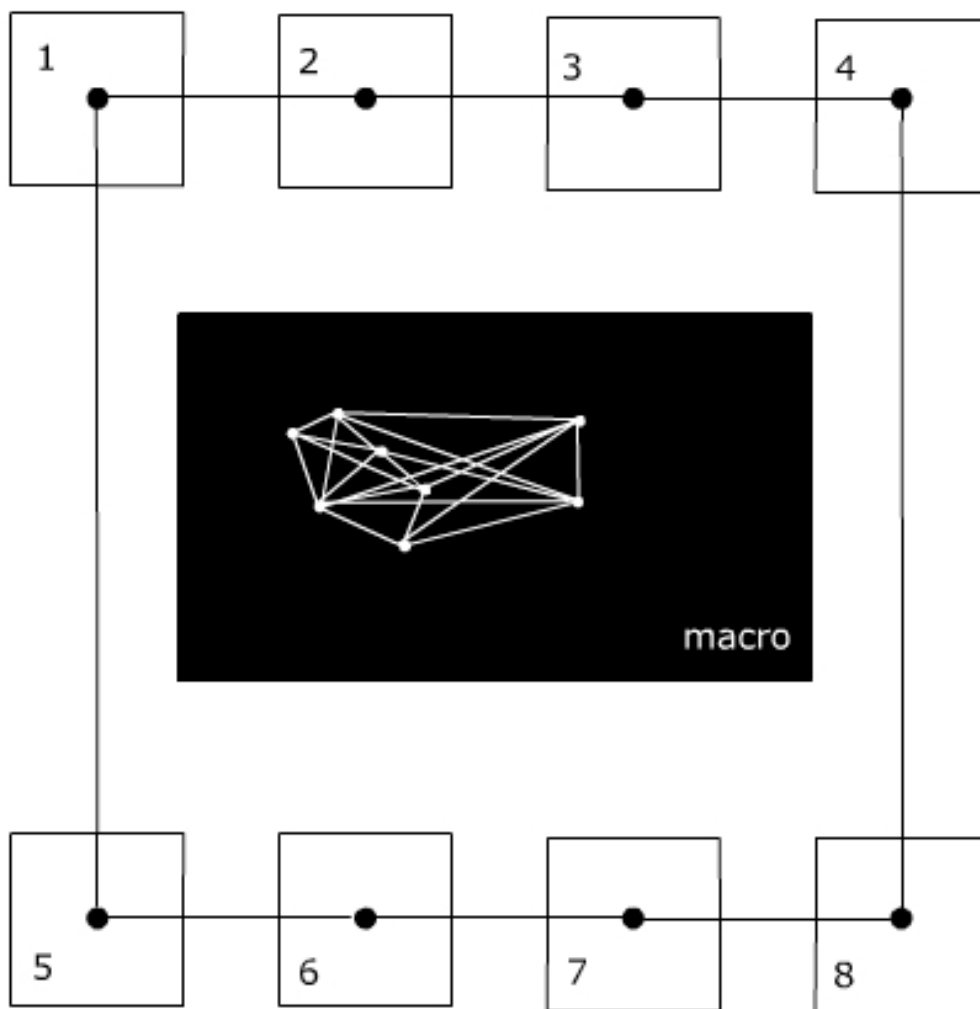
< Mobile Aspect >

- Microelement lives on a portable, wireless device
- The Macro is location specific, limited by GPS / bluetooth. For example: SoHo in New York City.
- Users within the radius of a given ecology can beam their personal microelements into these ecologies.

- Because of the location specific quality of these macro sound ecologies, they will be able to take on the cultural character of location. Therefore, the Individual user is motivated to test out their microelement within the context of different sound ecologies.

Network Ecosystem

- Installation
- Micros (1-8) make up a larger ecosystem
- The adjustment of the micros will change the macro (ecosystem)
- Affected Parts of Ecosystem: sound (pitch, amplitude), color, and position
- Movement of position makes macro look constantly in flux
- See Diagram next Page



Micro | Macro PhotoBlog:

Key Features

- Collaborative

- Community-Based
- Networked
- Designed as a moblogging tool

Experience

- User takes a picture
- Color analysis is performed on the server side
- Based on certain rules*, the system organizes the pictures in a matrix, each micro image representing a single pixel in a larger, macro image, which will emerge
- User community can view these 'community pictures' and browse the individual images, seeing the smaller elements that make up the whole

To Do

- * rules based on variables such as location, personal network?

Is feedback involved?

There.com / Second Life

- Still thinking...need to get the software first. But lots of possibilities.