

Workshop

Communication and interpersonal skills in complex systems

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"Guess what I feel..."

- each group member draws a sheet of paper from the envelope and finds a written emotion
- without mentioning the written word he/she will have to make the other group members understand the emotion
- you can use gestures and words, whole sentences or even acting and role playing
- The only rule is <u>not to make direct references to the word written on the</u> <u>sheet</u>
- Group members will discuss and choose the emotion from a list
- For each word the group has 2 attempts
- Time limit: 25 minutes

Нарру	Sad	Angry	Anxious	Excited	ATHENA
Calm	Satisfied	Frustrated	Nervous	Relieved	25:0
Joyful	Disappointed	Confident	Insecure	Grateful	
Envious	Hopeful	Despairing	Proud	Shamed	

Challenges

Write on the poster the challenges of this task

You have 5 minutes!

VERBAL AND NON-VERBAL COMMUNICATION

We could also say

DIGITAL AND ANALOGICAL COMMUNICATION

DIGITAL COMMUNICATION refers to Cognitive aspects and is related to the explicit content of the message

ANALOGICAL COMMUNICATION refers to Emotional aspects and is related to the implicit content of the message

TO ENSURE A USEFUL AND FUNCTIONAL COMMUNICATION DIGITAL AND ANALOGICAL ASPECTS SHOULD BE CONSISTENT WITH EACH OTHER otherwise.....



WE ARE DOOMED TO

MISURDERSTANDING

🗳 AXIOMS 🖥

Digital and analogical communication is one of the 5 axioms of communication according to Palo Alto Group (*Pragmatic of Human Communication*, 1979)

What is an axiom? It is a basic principle that is assumed as true

Why "pragmatic"?

They assume that communication affects behaviour and vice versa. They also assume that communication IS a behaviour

Axiom 1: it is impossible not to communicate

We said that communication is a behaviour

As it is not possible not to behave, it is not possible not to communicate

Behavior hasn't an opposite Communication hasn't an opposite

EVEN IF YOU THINK YOU ARE NOT COMMUNICATING...YOU ARE...IN SOME WAYS

Axiom 2: Every communication has a content aspect and a relationship aspect, such that the second one (relationship) defines the first one and is therefore a meta-communication

IT IS NOT ONLY WHAT I AM SAYING...BUT ALSO WHO IS
STRONGER AND POWERFUL DURING THE CONVERSATION

Axioms 3: The nature of a relationship depends on the punctuation of communication sequences between communicators.

In other words, this axiom deals with points of views and different prospectives during a conversation or different level of information.

In a work setting, a manager might punctuate a sequence of events as starting with an employee's mistake, while the employee might see it as starting with the manager's lack of clear instructions. This difference in punctuation can affect how each person perceives their working relationship and their roles within the organization.

Axiom 4: Communication has digital and analogical aspects

To ensure a useful and functional communication process, those to aspects have to be coherent between them.

This is not so easy as it seems, as analogical aspects are influenced by emotions and digital aspects are basically ruled by cognitive skills and rationality

Axiom 5: All communication sequences are either symmetrical or complementary, depending on whether the relationship between communicants is based on differences or equality

Symmetric relationship: friends, group of students...

Complementary relationship: teacher and students, parents and children...

By being aware of these axioms, people can better understand how their communication patterns affect their relationships.

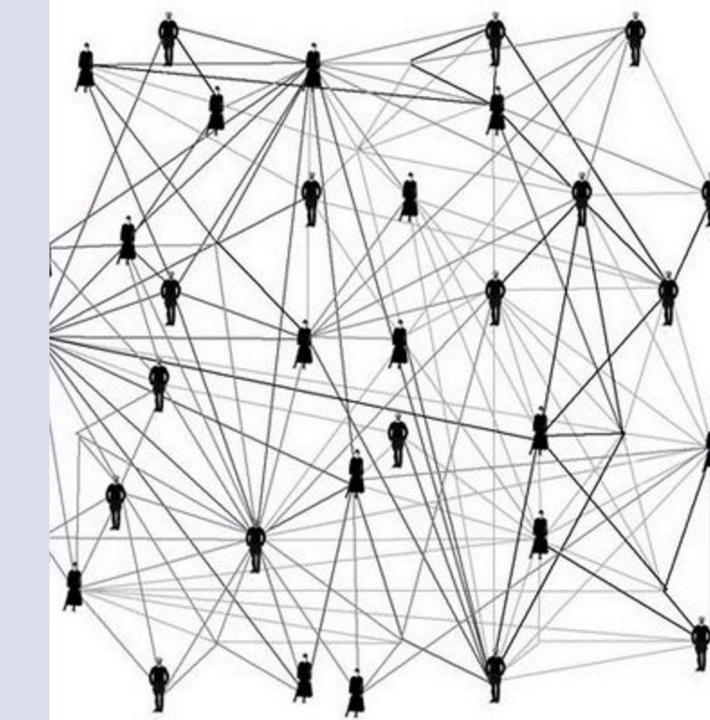
WHAT IS A COMPLEX SYSTEM?

We will refer to some definitions of "General Theory of Systems" by Karl Ludwig von Bertalanffy

"A system is a complex of interacting elements"

L. von Bertalanffy (v., 1968, p. 54)

Complexity Class	Known	Unknown	Knowns Unknown	Unknowns
Simple	✓	Х	√	Х
Complicated	✓	Х	✓	√
Complex	Х	√	✓	Х
Chaotic	х	✓	х	✓



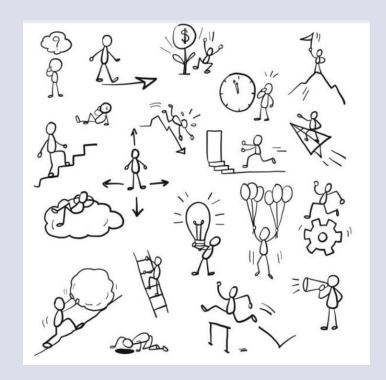
ACTIVITY 2

"Let's create in a complex system..."

ATHENA

 Each group has to create a stick figure representing the entire group by identifying:

3 strengths and 3 weaknesses



ATTENTION: each of the 6 selected aspects must belong to at least

one (or more) person in the group

Choose a name for your Group Figure

Time limit: 25 minutes

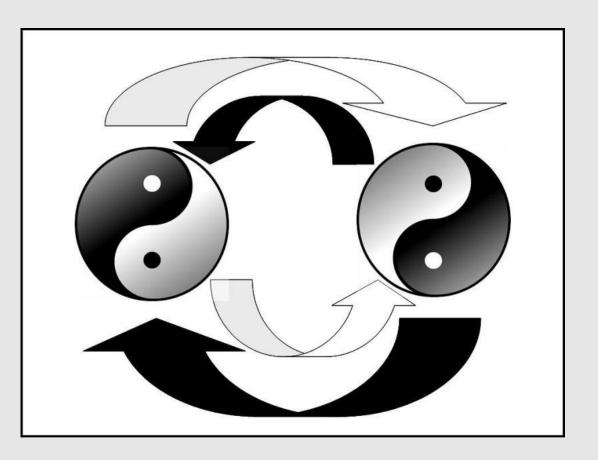
A complex system is regulated by several principles

ATHENA

- The whole is greater than the sum of its parts
- Totality
- Non-summativity
- Retroactions
- Equifinality

TOTALITY

ATHENA



Each part of a system is in such a relationship with its constituent parts that any change in one part causes a change in all the parts and in the whole system

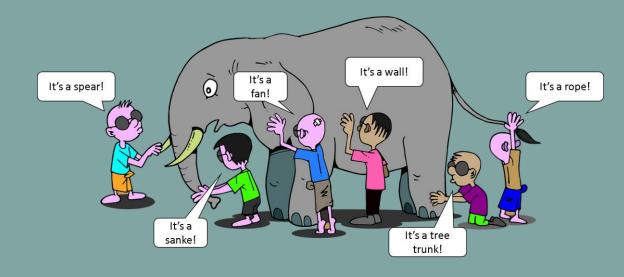
NON-SUMMATIVITY

A system is not the sum of its parts; analysing isolated segments would not lead to a comprehensive understanding of the whole system.

ATHENA



The blind men and the elephant



RETROACTION

Each open system reacts to and modifies input data

ATHENA

POSITIVE RETROACTION

leads to change, so stability and balance are lost

NEGATIVE RETROACTION

uses the input data to preserve the static state of the system

EQUIFINALITY

ATHENA

The same results may have different causes.

The same causes do not produce the same effects and vice versa.



How your group as a complex system can apply the principles to reach a positive change....

 Start a internal negotiation to design actions/interventions that could determine an improvement of your group figure...

• Bear in mind communication axioms, principles and unpredictable outcomes of complex systems (Murphy's law as in *Interstellar* movie).

You have only 10 minutes!



