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SOLIDARITY & MUTUAL AID IN THE AFTERMATH OF THE STORM ALEX 2020

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ESSLAB+ SEMINAR 2024



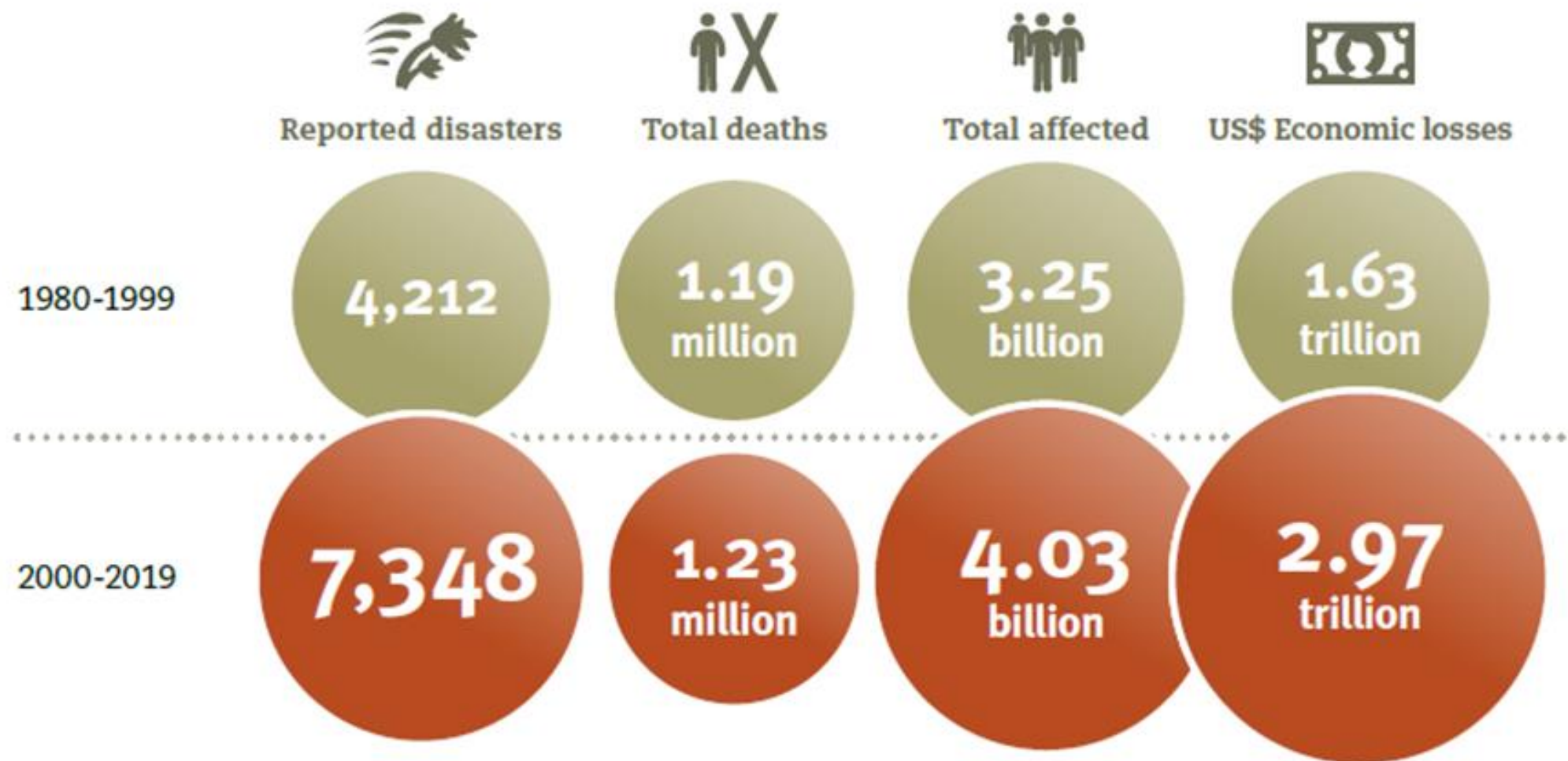
EUROPEAN
SUSTAINABILITY
SCIENCE LAB

SOLIDARITY & MUTUAL AID IN THE AFTERMATH OF THE STORM ALEX

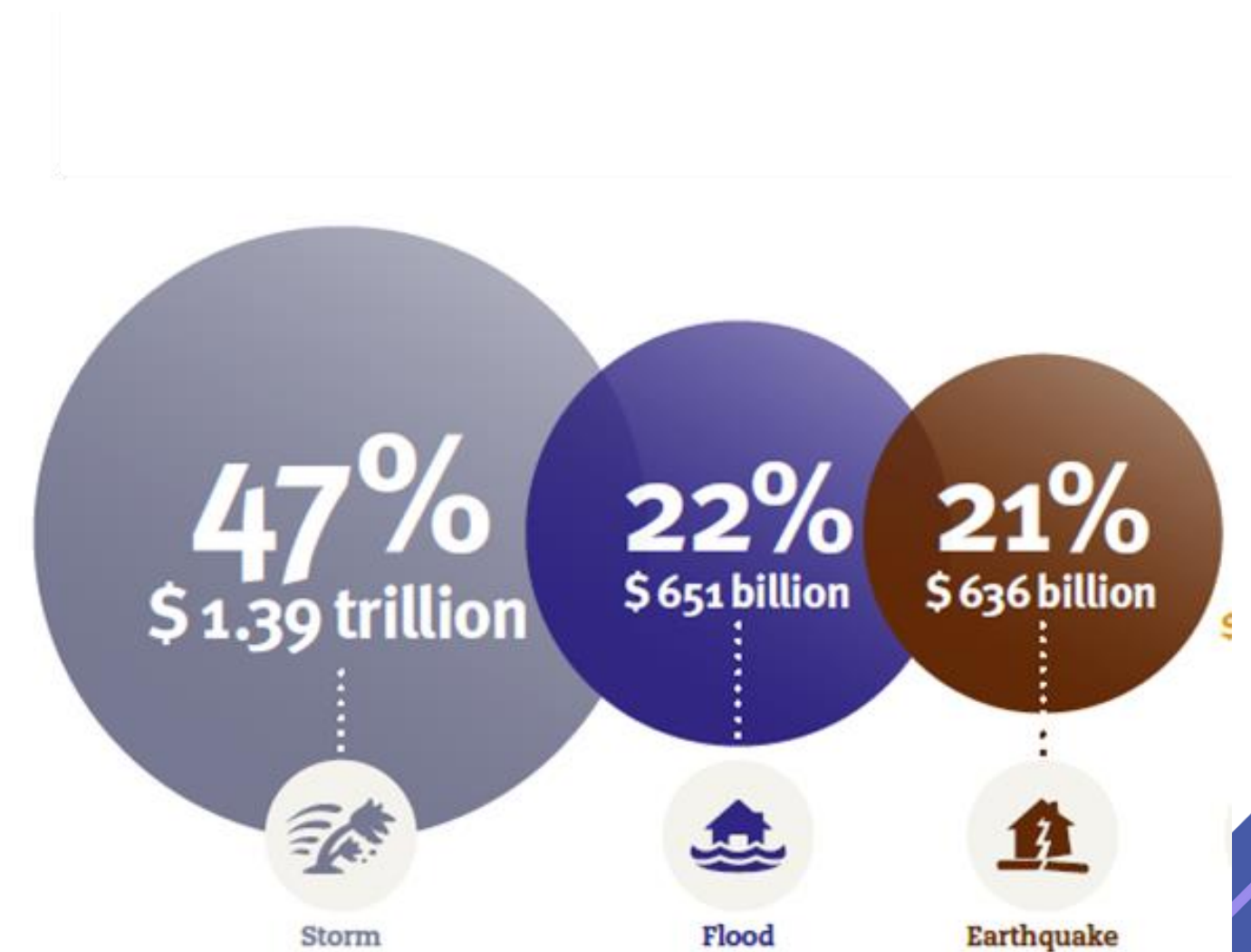
BY DAVID ORTIZ HARO



In the world: Global exposure will increase threefold by 2050 (Aerts et al. 2018; UN 2020)



Source: Human costs of disasters – ONU 2020 (p.6)



Source: Human costs of disasters – ONU 2020 (p.24)



Problem : The floods - the 1st risk



FRANCE 24 Home Shows News Live

France Africa Middle East Americas Europe Asia-Pacific

'Exceptional' floods hit dozens of towns in northern France

Flooding has hit dozens of towns in northern France, leaving roads sometimes only passable in boats and dozens of schools closed, authorities said Tuesday.

Issued on: 07/11/2023 - 22:48 1 min

BFMTV BFMTV

18.12 DIRECT

SAINT-MARTIN-VÉSUBIE DE NOUVEAU DÉVASTÉE

Story 6 : Intempéries dans Alpes-Maritimes, le plus dur e...

Regarder >

YouTube il y a 20 heures

FRANCE 24

EUROPE

Floods hit Germany, Belgium, France

Floods in parts of northern Europe after heavy rains •...

Consulter >

Libération

Accueil / Société / Ville

Politique International CheckNews Culture Idées et Débats Société Enquêtes

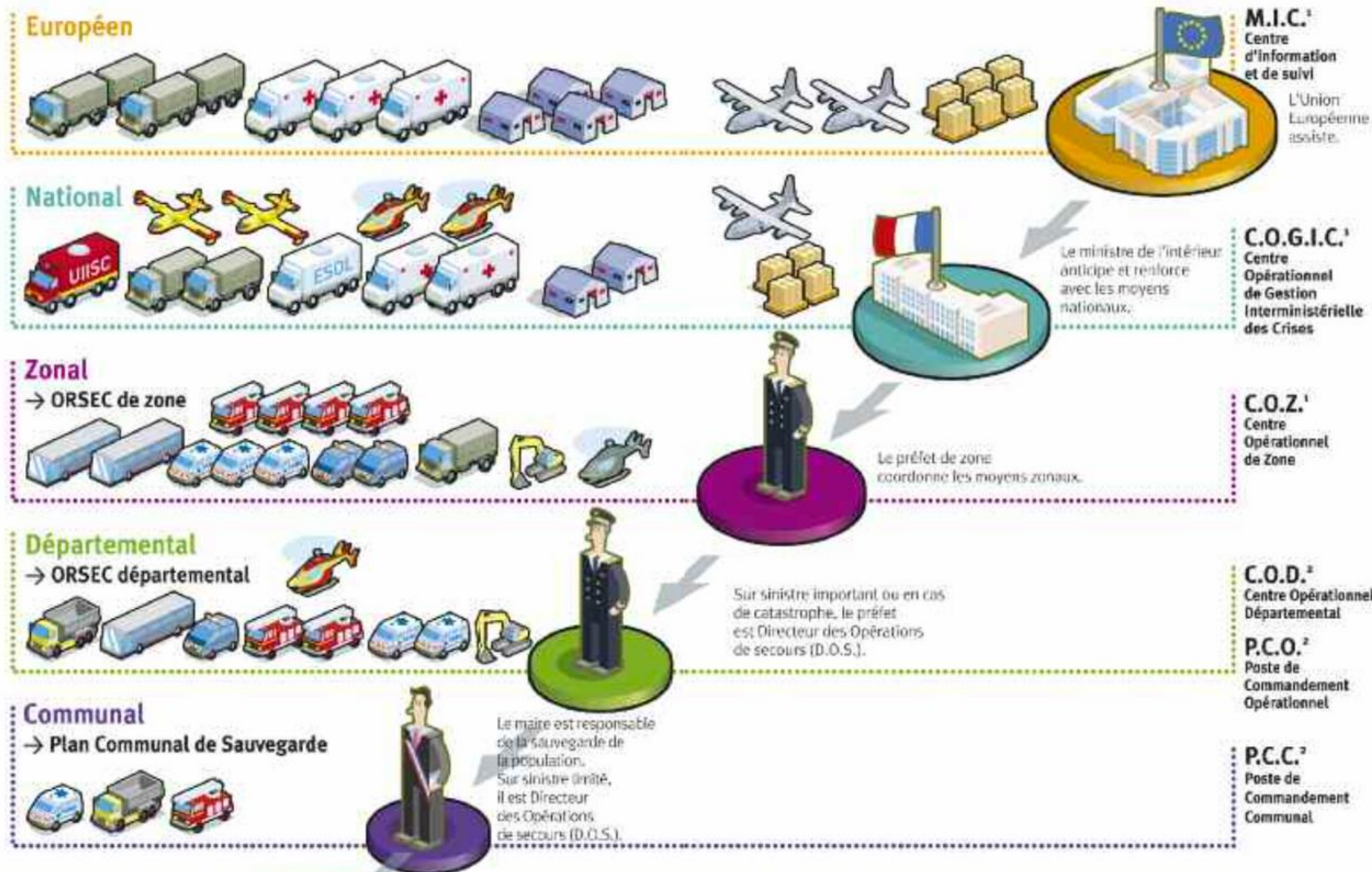
Reportage

Après les dégâts de la tempête Aline dans les Alpes-Maritimes : «C'est comme au jeu de l'oie, on retourne à la case départ»

Dans le village de Saint-Martin-Vésubie, deux ponts et une route ont été emportés ce vendredi 20 octobre par les flots torrentiels de la rivière, gonflée par les importantes précipitations qui se sont abattues. Le maire se veut fataliste.



The french civil security system



But population?

¹opérationnel 24h/24h, ²activé en cas de besoin



The early difficulties



Who to interview?
We don't want to
retraumatise the victims
But **human behavior in**
disasters cannot be
studied otherwise... SO?



The call to different actors



Poster



Pub. Reseaux sociaux



Poster



Actors



SERVICE DÉPARTEMENTAL D'INCENDIE ET DE SECOURS DES ALPES-MARITIMES

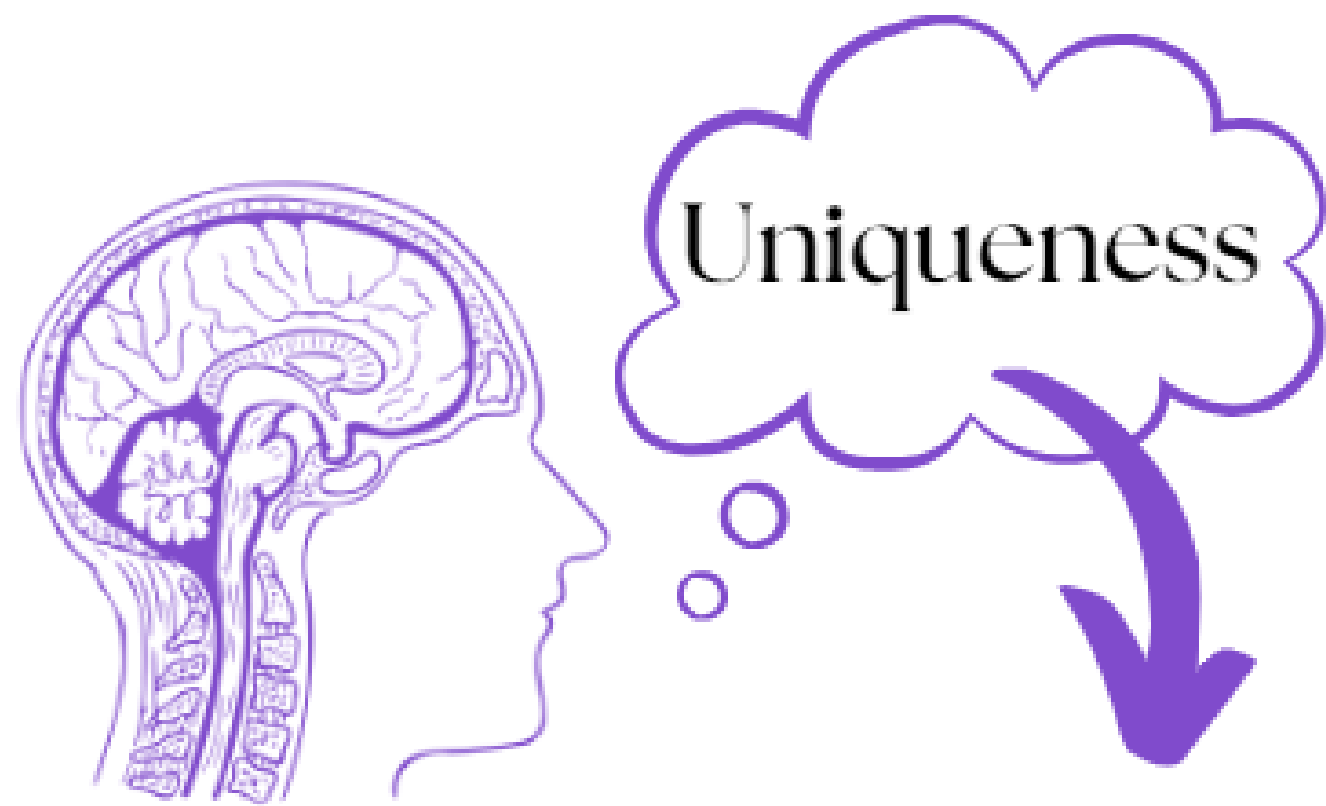


The Ground

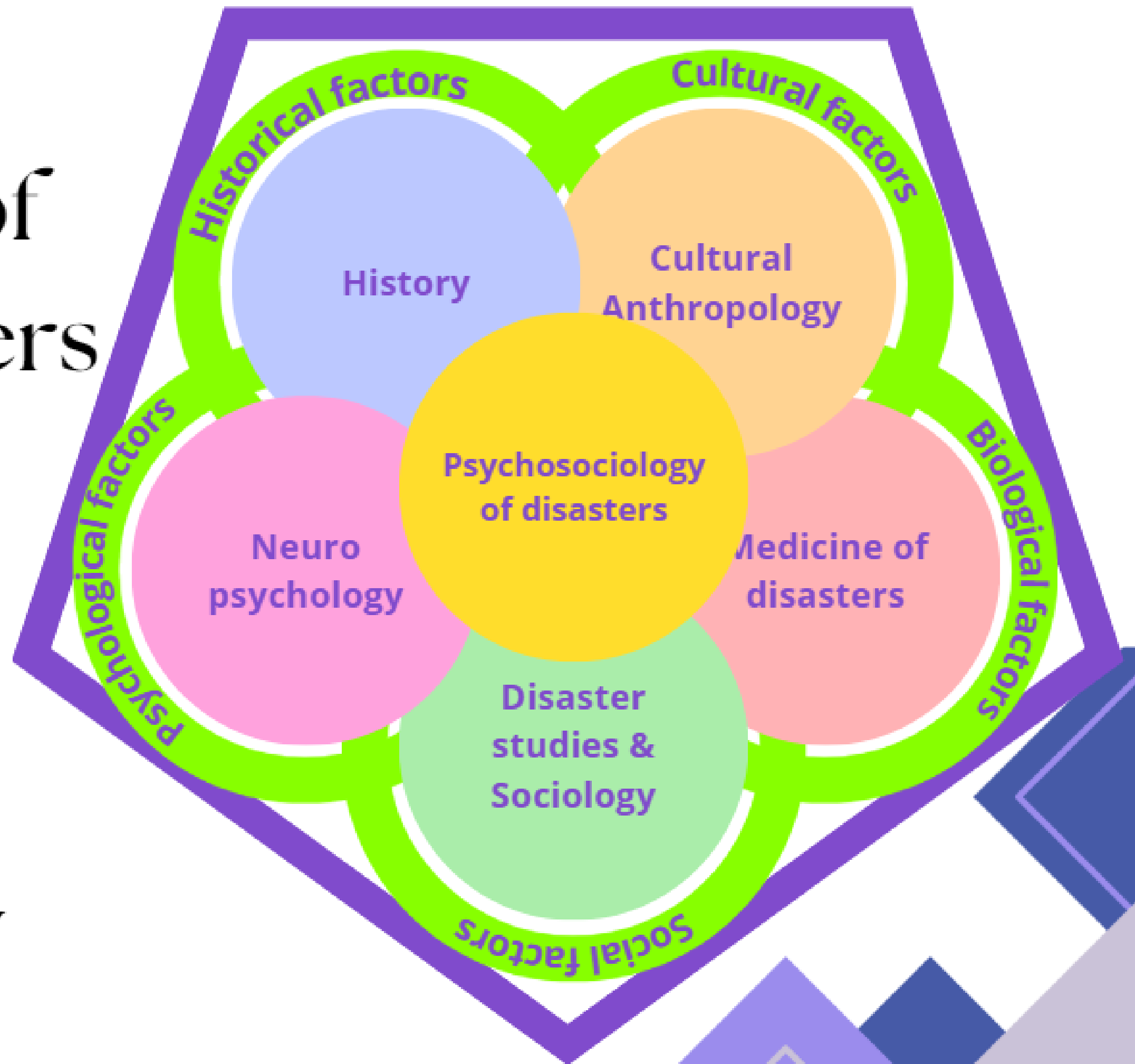
Roya & Vesubia Valleys



The complexity of behavior & disasters



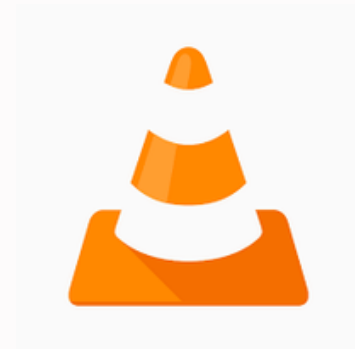
Grounded theory



The interviews



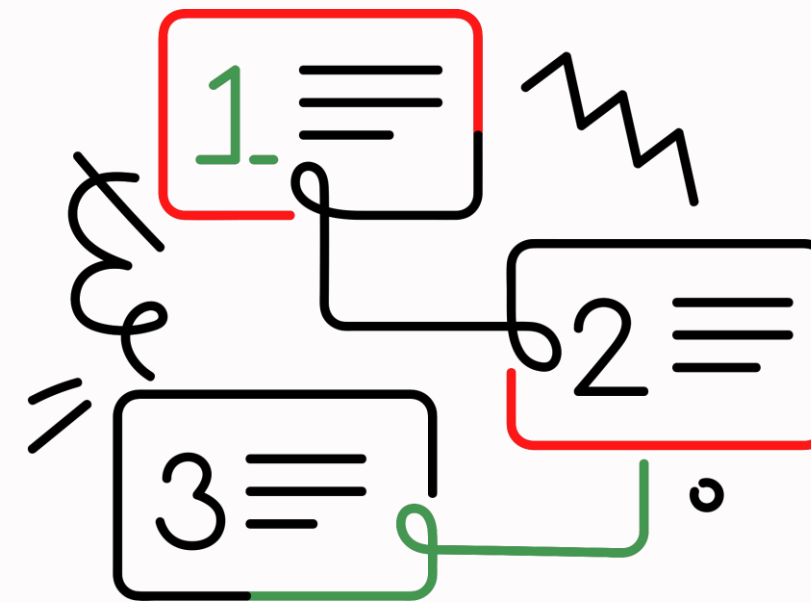
Interview



Transcription



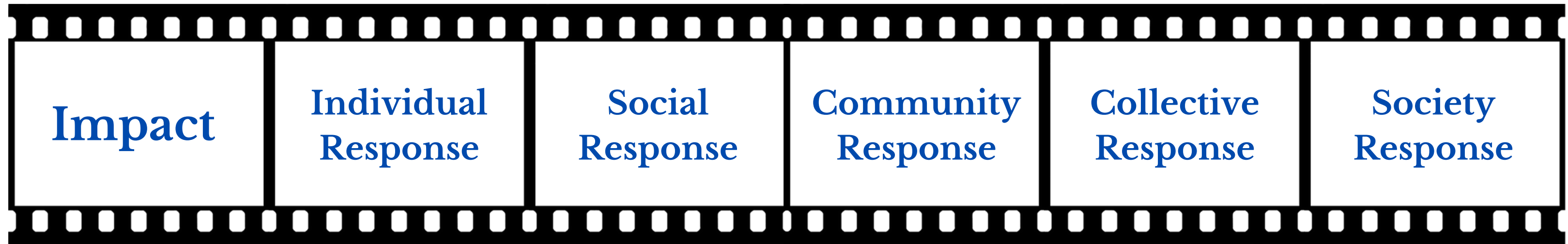
Analysis



Triangulation



The Response behaviors

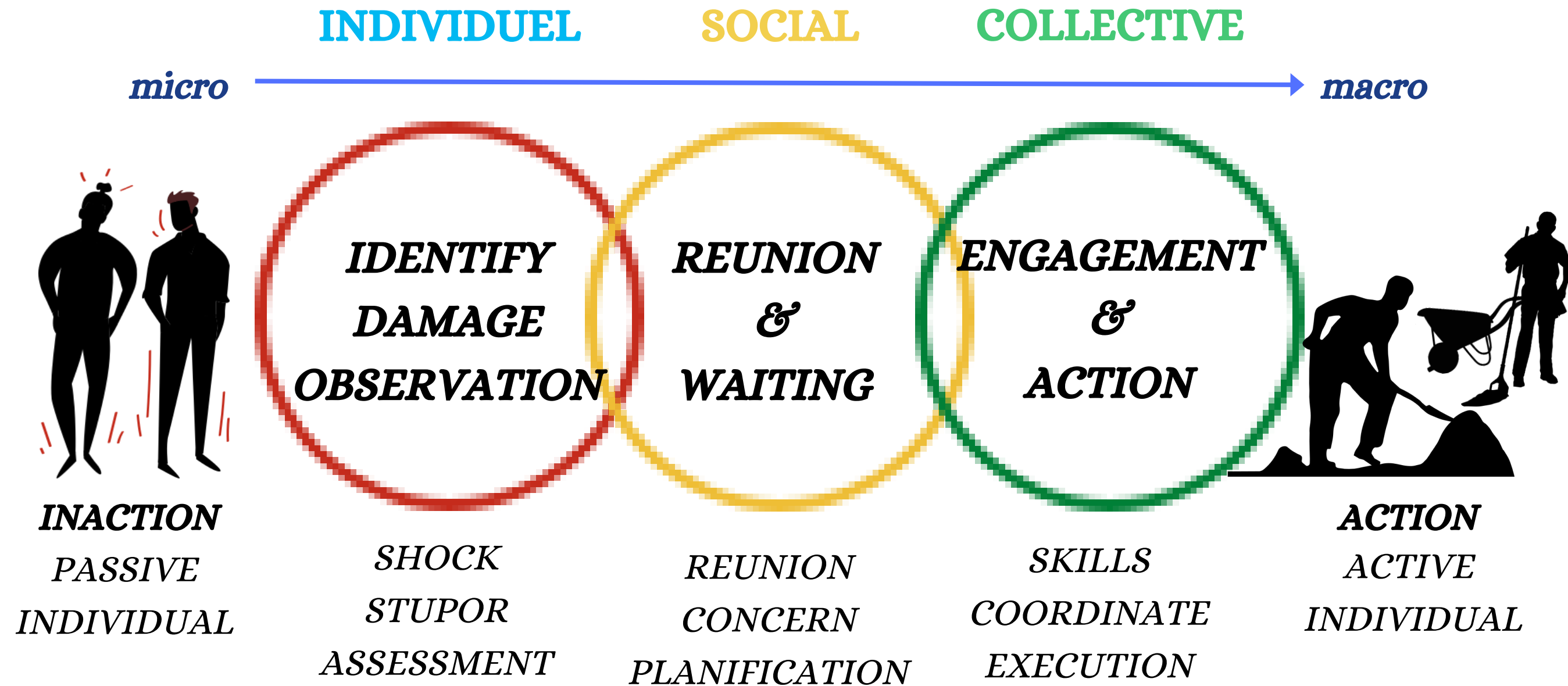


NORBERT ELIAS
INTERDEPENDENCE

MYTH
BEHAVIORS



The Response



THE SHORTEST RESPONSE PROCESS

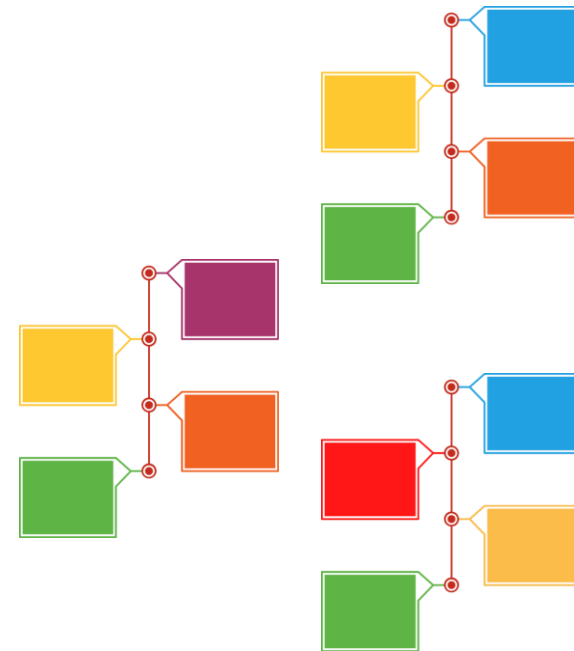


The collective prosocial behavior

Le Département des Alpes-Maritimes soutient les maralpins sinistrés après le passage de la Tempête Alex.



The Ground Coding



D	C	D
DE	HAB	BREIL SUR ROYA - LA MAGLIA
SV&FR	HAB	BREIL SUR ROYA - LA MAGLIA
GC-AA-JA	HAB SIM	BREIL SUR ROYA - LA MAGLIA
DP&BC	OMF	BREIL SUR ROYA - LA MAGLIA
CA	SIM	BREIL SUR ROYA - LA MAGLIA
JPR	SIM	BREIL SUR ROYA - LA MAGLIA
CH	SIM	BREIL SUR ROYA
CSTM	SPP	
SO-MAIRE	M	BREIL SUR ROYA
AR-ADJOINT1	M	BREIL SUR ROYA
DG-ADJOINT2	M	BREIL SUR ROYA
LS-SECPOP	ASSO	BREIL SUR ROYA
BOCO	HAB	BREIL SUR ROYA
GM ASSO.WES	ASSO	NICE
CHCL- ASSO.RLR	ASSO	SOSPPEL
ROS	SIM	BREIL SUR ROYA
TLV	HAB	SAINT DALMAS DE TENDE
JLL	HAB	FONTAN-BERGHE
AP-WES	ASSO	NICE
JMD-CUMP	CUMP	BREIL SUR ROYA
MR-RLR	ASSO	TENDE
ZB	HAB	BREIL SUR ROYA
JBO	CRS	NICE
JY	GEND	SAINT DALMAS DE TENDE
MB-SPT	SPT	BREIL SUR ROYA
NMS	SIM	BREIL SUR ROYA
JB	SPT	BREIL SUR ROYA - LA BRIGHE
MARW-ADJOINT 5	M	BREIL SUR ROYA
EP	SIM	BREIL SUR ROYA
MALV-ADJOINT3	M	BREIL SUR ROYA
FMS	HAB	BREIL SUR ROYA
LO-ER	ASSO	BREIL SUR ROYA
AJS	HAB SIM HAB	BREIL SUR ROYA
VRN	SIM	BREIL SUR ROYA - SAORGE
LJOG	SIM	BREIL SUR ROYA
OGZ	SIM	BREIL SUR ROYA
MPJ	HAB	BREIL SUR ROYA
SL	HAB	BREIL SUR ROYA
PR	M	BREIL SUR ROYA - HAMEAU DEL
MER	SIM	BREIL SUR ROYA
JTL	SIM	BREIL SUR ROYA
EMT	SIM	BREIL SUR ROYA
CREY	SIM	BREIL SUR ROYA
MDL		TENDE
LUMU	M	
CTO	HAB	TENDE
MI & GA	SPT	TENDE
EX PAL	ASSO	TENDE
AUP	PH	TENDE
SFO	HAB	TENDE
TTZ	SPP	TENDE
BER & HAZ	SPT	TENDE
CHA	ASSO	TENDE
SND	ASSO	TENDE
SPT & JLT	HAB	TENDE
SNO	HAB	TENDE
RB	SPT	TENDE
FFO	HAB	BREIL SUR ROYA
MIR	CHU	TENDE
GMJ ASSO. ROYA	ASSO	TENDE

98

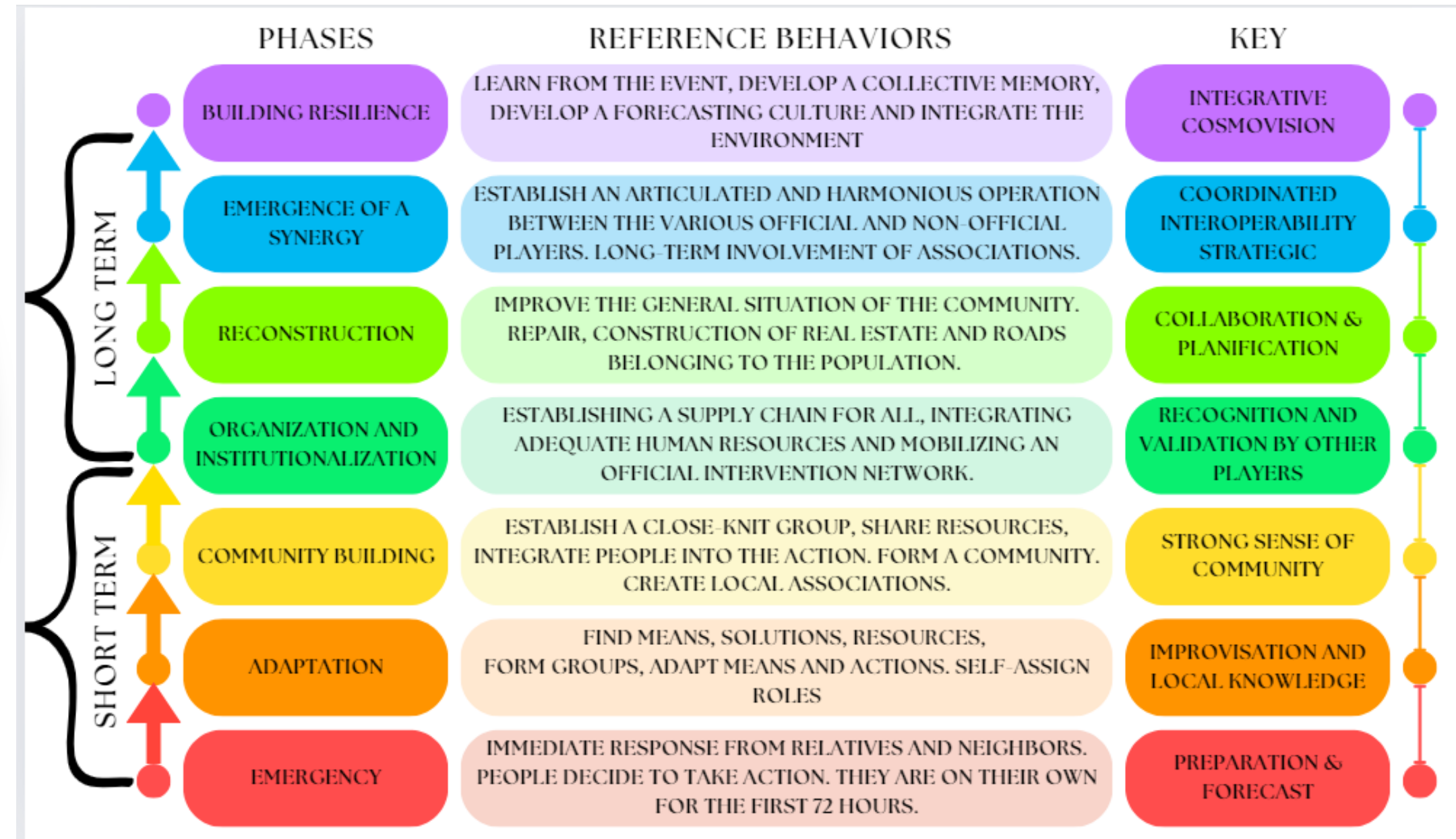
INTERVIEWS



The logic of the chain of solidarity

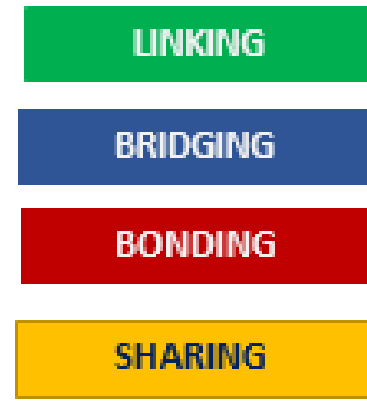


Results

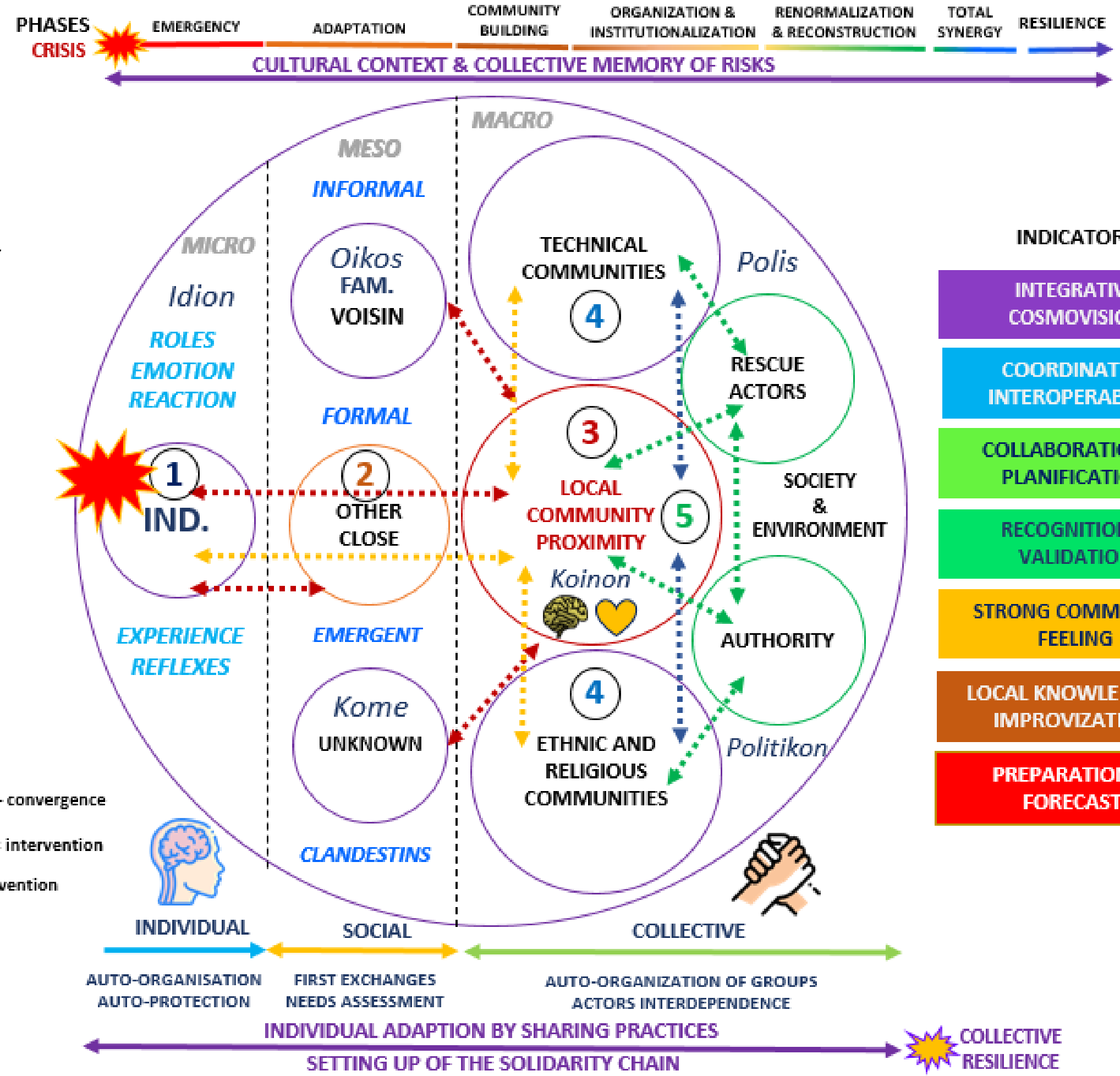


A step for a Total Synergy Theory

Discussion



- ① Individual Behavior
- ② Social Behavior
- ③ Community Behavior - convergence
- ④ External communities intervention
- ⑤ First responders intervention
- ♥ Local Identity
- 🧠 Local Knowledge



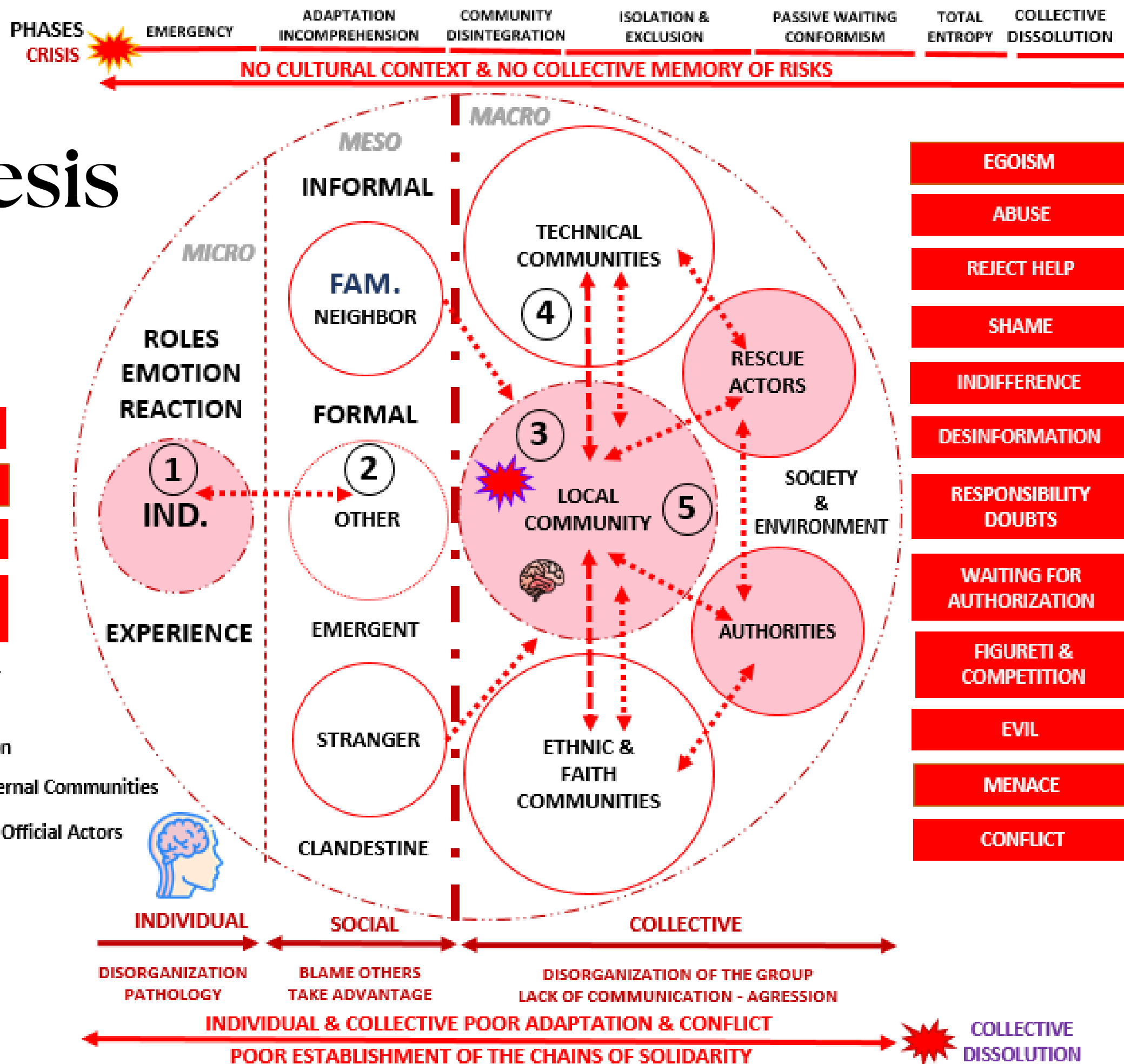
The 12 Anti-thesis

Discussion

- POOR BONDING
- POOR BRIDGING
- POOR LINKING
- LACK OF COMMUNICATION

- ① Individual Behavior
- ② Social Behavior
- ③ Local disorganization
- ④ Intervention of External Communities
- ⑤ Intervention of the Official Actors

-  Local conflicts
-  Local ignorance



The operationalization of a concept for collective behaviors in disasters

Conclusion

Ancestral collective behaviors stay anchored in human collective memory.



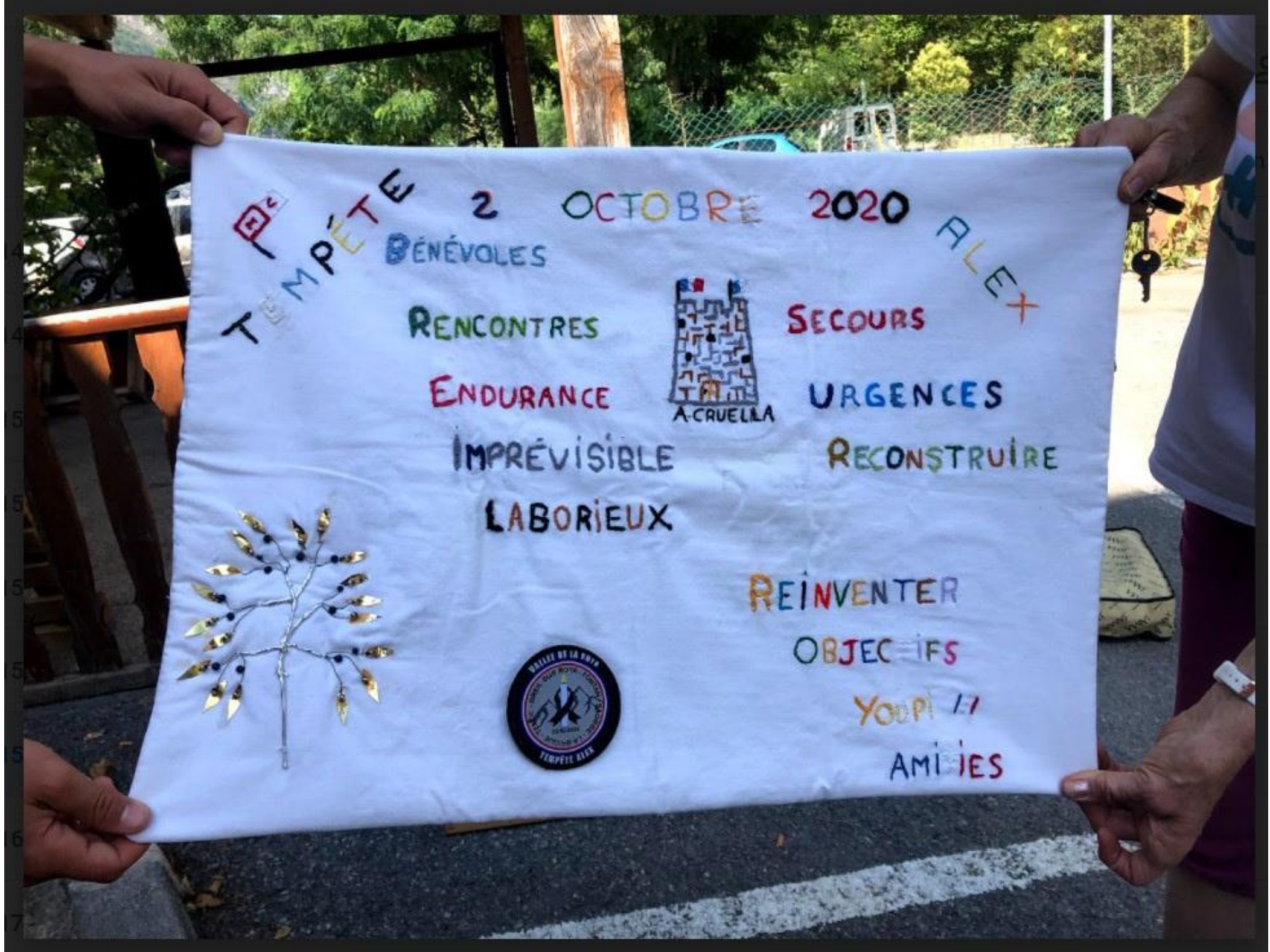
**Collective work
Voluntary**

*"An Immediate intervention movement
for generosity and solidarity actions".*

*Collective behaviors as the mouvement
of MINGAS, can be operationalized and
keep weaving social ties during periods
of peace in order to become resilient
communities and society.*

So people can count on the others







THANK YOU

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