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Notes on **the concept of resilience**: hostile environments, inertia, group dynamics, psychological identity

Considering its definition in different fields, it seems to me that the concept could be extended or supplemented by some additional concepts that Europan could integrate in the criteria to search the sites and in the questions asked to architects in the competition, and that could be seen as sub-themes.

- The hostile environments. The notion questions first the context that might appeal to such a quality, if we are interested in a city, region, neighbourhood or building. We immediately think of post-traumatic contexts, places that have experienced war or violent upheavals, crises, depopulation, devastation, economic crises or natural disasters ... If Europe does not know the state of war, what are the new forms of urban upheaval? What kinds of crises may require cities to use an ability like that of resilience? By extension, could we explore hostile environments that could traumatize a place in the long term, but not necessarily fit into a crisis?

- Inertia of cities and buildings. Many qualities can be judged on the basis of a moment, of an immediate and visible effect. The programmatic mixture, for example, could be defined as the coexistence of several activities at the same time and same place. But one might also judged on the basis of a long time. The mixture in time, ie, the coexistence of different activities in the same location but at different times could be raised as a quality of resilience. Can we find an alternative to the notion of flexibility when it implies that only a different form allows a different activity? How to define a "non-functional" flexibility? How, for example, a place or an object could be used for several things in time, without changing shape? How the permanence of landscapes and architectures could promote the renewal or increased activity? Could the inertia be an asset to change? Could it be a source of dynamic? Could it combine seemingly contradictory terms, like latency and revolution? and inertia and dynamic? One might even wonder if somehow, exceptional situations, situations of crisis, would not be regarded as more permanent conditions, or more regular, as we imagine.

- Collective dynamics. This combination of inertia and dynamic returns immediately to the behavior of groups, large networks made from a multiplicity of individual components, or loosely connected. One thinks to the crowds, the scattered infrastructures, the sea, the forest, the virtual networks, the herds of buffalo, the ants ... All these collective forms that are built from the bottom up to build a whole that exceeds the sum of the components. The concept of resilience makes then an echo to qualities of plasticity or "malleability" in the sense of malleable.

- **Psychological identity.** If we can speak about the plasticity of urban forms, architectural or landscape defined by their collective dimension, we could also discuss their psychological plasticity, also linked to their collective dimension. What are the patterns or figures of a place that would give him the ability to transform itself, to absorb the shocks or transform any changes in positive experiences. Rem Koolhaas suggested in the "generic city" that the identity of a city could be an obstacle to its development. Paris, he said, is bound to become increasingly Paris. Can you imagine a clean change identity, an identity of the mutation, a non-image identity or structure that holds a special ability to evolve? Consider, for example, a festival whose identity is renewing its program, year after year. A city could it find its origin not in a trace or founding act, but an ability to reprogram itself, or in some psychological identity, promoting transformation without it ever has nothing to lose in its transformations?