

WSIG

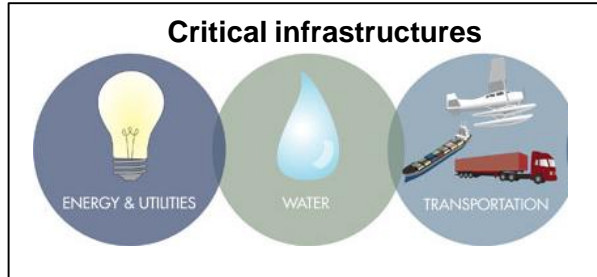
Resilience of critical infrastructures

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The role of critical infrastructures in the society...



Critical infrastructures provide critical services to society such as drinking water systems in cities.

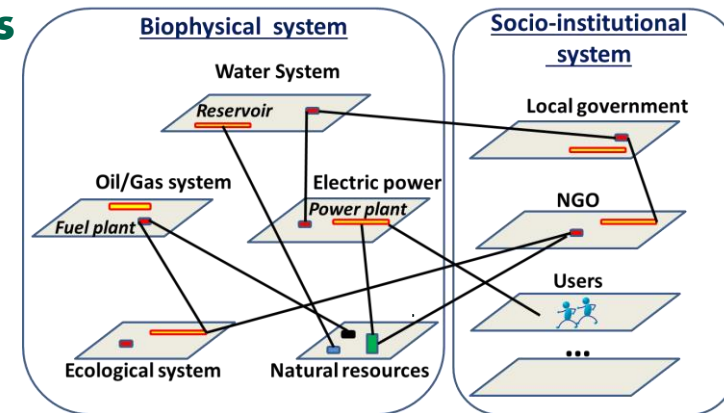
...threatened by climate hazards...

Decision-makers turn away from *reliability* towards *resilience* management.



...and cascading failures between infrastructures

Resilience of critical infrastructures depends on biophysical and socio-institutional interdependencies.



A lack of consensus for defining resilience of critical infrastructures...

Due to the diversity of qualitative and quantitative approaches of resilience

...because of a lack of unified approach of critical infrastructures

There is no approach that embeds the biophysical and socio-institutional systems



Reconsidering methodological approaches of the resilience management of critical infrastructures, by bridging engineering and social approaches

Resilience of critical infrastructures: three European illustrations

Talk 1

Leire Labaka, Spain

“Approaches to Operationalize Critical Infrastructure Resilience”

Talk 2

Simona Cavallini, Italy

“Economic approaches of Critical Infrastructure Resilience”

Talk 3

Olivier Piller (France) and Jochen Deuerlein (Germany)

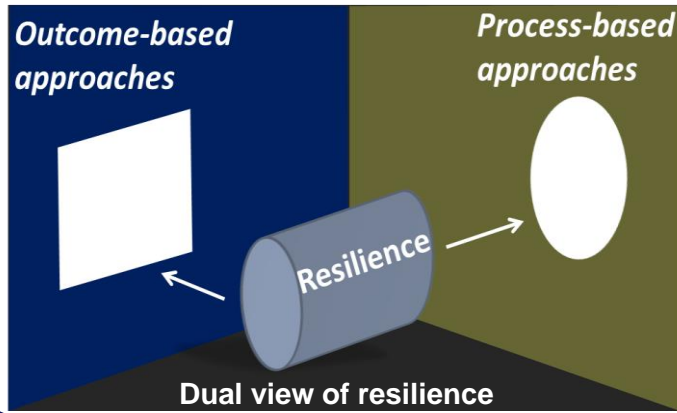
“Resilience of water infrastructures”

Debate

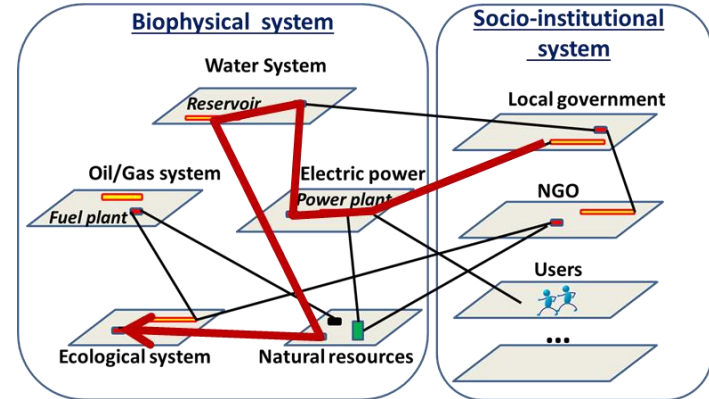
All

How to improve resilience of critical infrastructures at the EU scale?

A lack of consensus for defining resilience of critical infrastructures ?



A lack of unified approach?



How to organize research at the EU scale for developing high-quality research on the resilience of critical infrastructures?

