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Climate Change events induced risk assessment and mapping and a potential insurance policy

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The EU is developing and implementing a coherent climate change risk management policy stressing the need to set up insurance policies related to hazard risks. Based on recorded data series for temperature and precipitations for the last 50 years and damage data from the UNSDR and EU Solidarity Fund the risks of combined events (i.e. floods, drought, snow and freeze) are assessed for each of Romania's counties. The risks are mapped using a tool developed in Excel and the exposure of the population is calculated (risk per capita) for each county. The conclusions are detailing the possibility to use these results to set up a hazard risk insurance policy and a supporting mitigation and adaptation fund.

Biography

Ionut Purica, presently an Executive Director of the Advisory Center for Energy and Environment, worked as a project officer for energy and climate change in the World Bank, in Romania, as an international researcher for ENEA Rome and as an associate researcher at ICTP Trieste. He has authored books at Imperial College Press, Academic Press, etc. and published articles in journals like Risk Analysis, IEEE Power Engineering Review etc. He took his second PhD in economics, (the first in Energy Engineering) and, is also a Professor teaching a course in Risk management to masters of science in Hyperion University.

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