Maritime search and rescue operations appear suitable to apply our constraint satisfaction to. When an incident occurs that requires governments to mobilize resources for SAR in the case of shipwrecks, plane crashes or man overboard scenarios, you can’t use a one size fits all to attack each problem. One Scenario may require vastly different resources and manpower than the other. Constraints may be resources, weather conditions and time. Goals could change as well, depending on whether this is a salvage operation (looking for a black box) or minimizing time (to find survivors).

A paper by Weitao Xiong, P.H.A.J.M van Gelder and Kewei Yang reference a decision support method that can help make search plans quickly and effectively.

https://www.sciencedirect.com/science/article/pii/S0029801820304285#sec5