1147-53-530 Arlo Caine* (jacaine@cpp.edu). Generalized Poisson Symmetric Spaces. Preliminary report. If (G, π_G) is a Poisson Lie group and H is a closed coistropic subgroup, then the quotient admits a Poisson structure π making $(G/H, \pi)$ into a Poisson manifold and the action map $G \times G/H \to G/H$ becomes a Poisson map. Through this construction, symmetric spaces can be equipped with such Poisson structures, but other constructions are also possible. We explore similar constructions of Poisson structures on generalized symmetric spaces and analyze their geometry. (Received January 25, 2019)