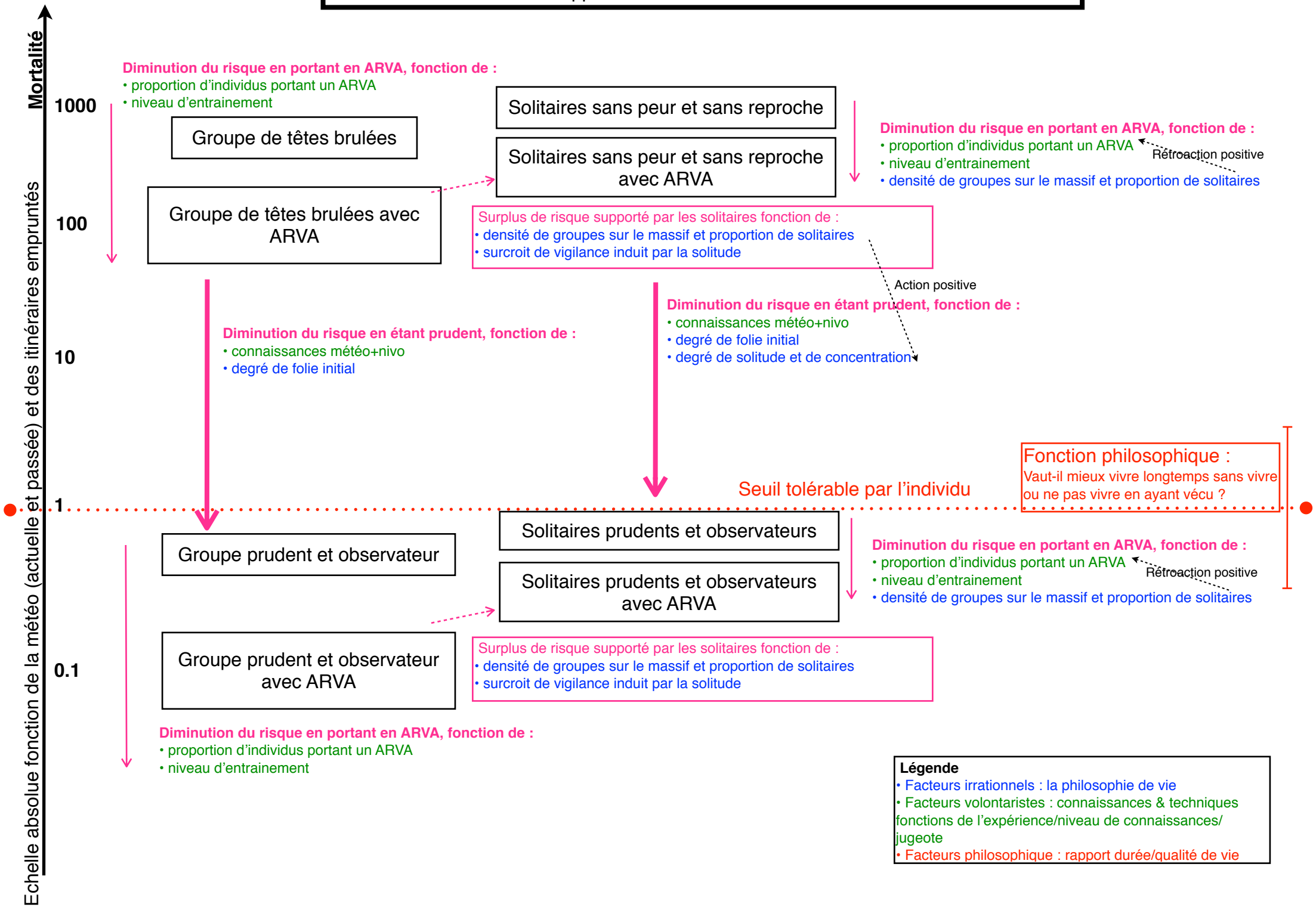Rapports de mortalités sur un massif