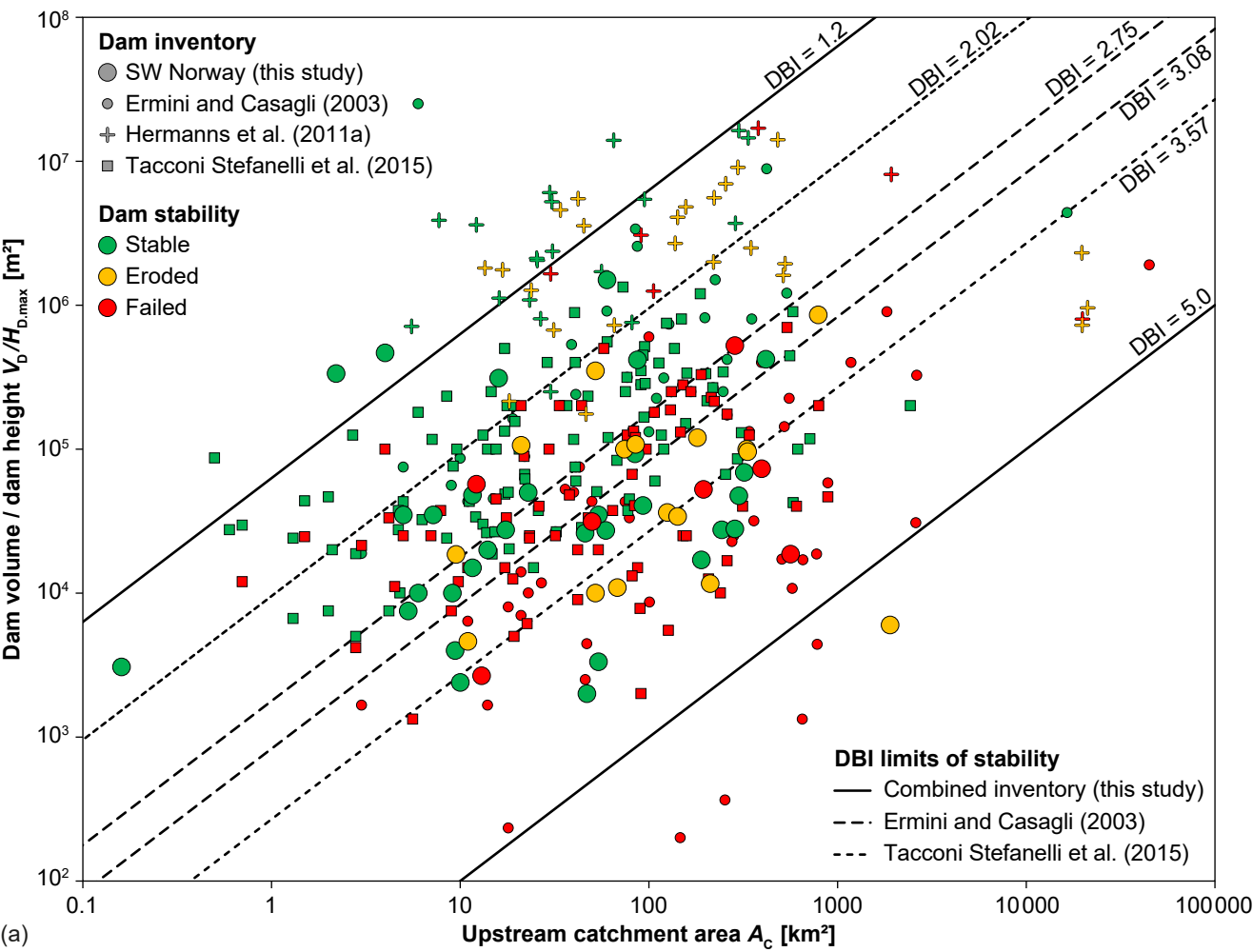
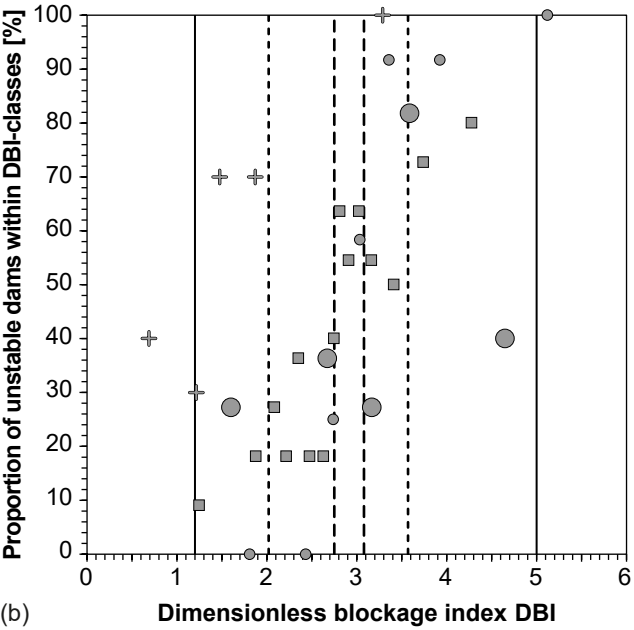
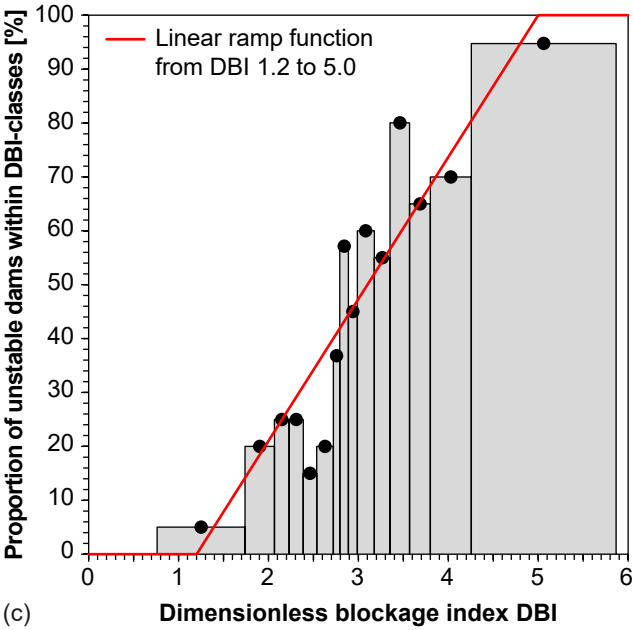

Dam inventory
SW Norway (this study)
Ermini and Casagli (2003)
Hermanns et al. (2011a)
Tacconi Stefanelli et al. (2015)
Dam stability
Stable
Eroded
Failed
DBI = 1.2
DBI = 2.02
DBI = 2.75
DBI = 3.08
DBI = 3.57
DBI = 5.0
DBI limits of stability
Combined inventory (this study)
Ermini and Casagli (2003)
Tacconi Stefanelli et al. (2015)
Dam volume / dam height $V_D/H_{D,max}$ [m²]
Upstream catchment area A_c [km²]
(a)


Proportion of unstable dams within DBI-classes [%]
Dimensionless blockage index DBI
(b)


Linear ramp function
from DBI 1.2 to 5.0
Proportion of unstable dams within DBI-classes [%]
Dimensionless blockage index DBI
(c)