

土/水連成弾 (粘) 塑性有限要素・飽和地盤静的解析パッケージDACSARの開発と実用化

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1983年以来, DACSAR (基本パッケージ・ソース) を無償・公開 (open code)

MOMIS: A database for the numerical modeling of embankments on soft soils and the comparison between computational results and *in situ* measurements

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Bulletin Laboratoires des Ponts et
Chaussées, 232, pp.45-60, 2001

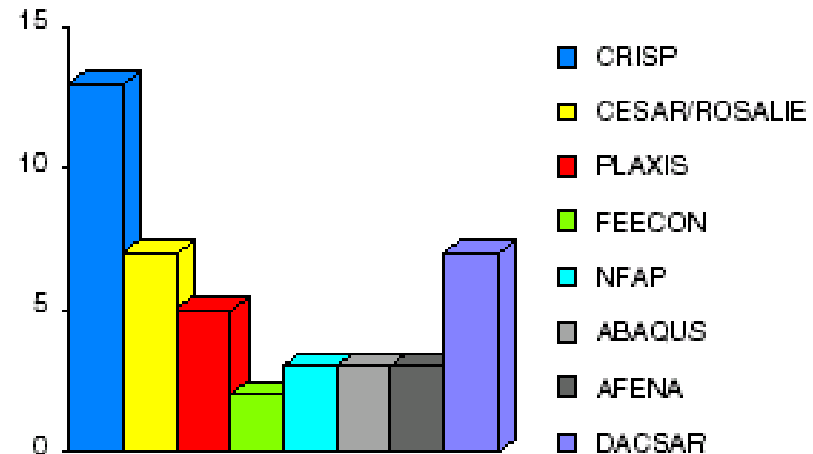
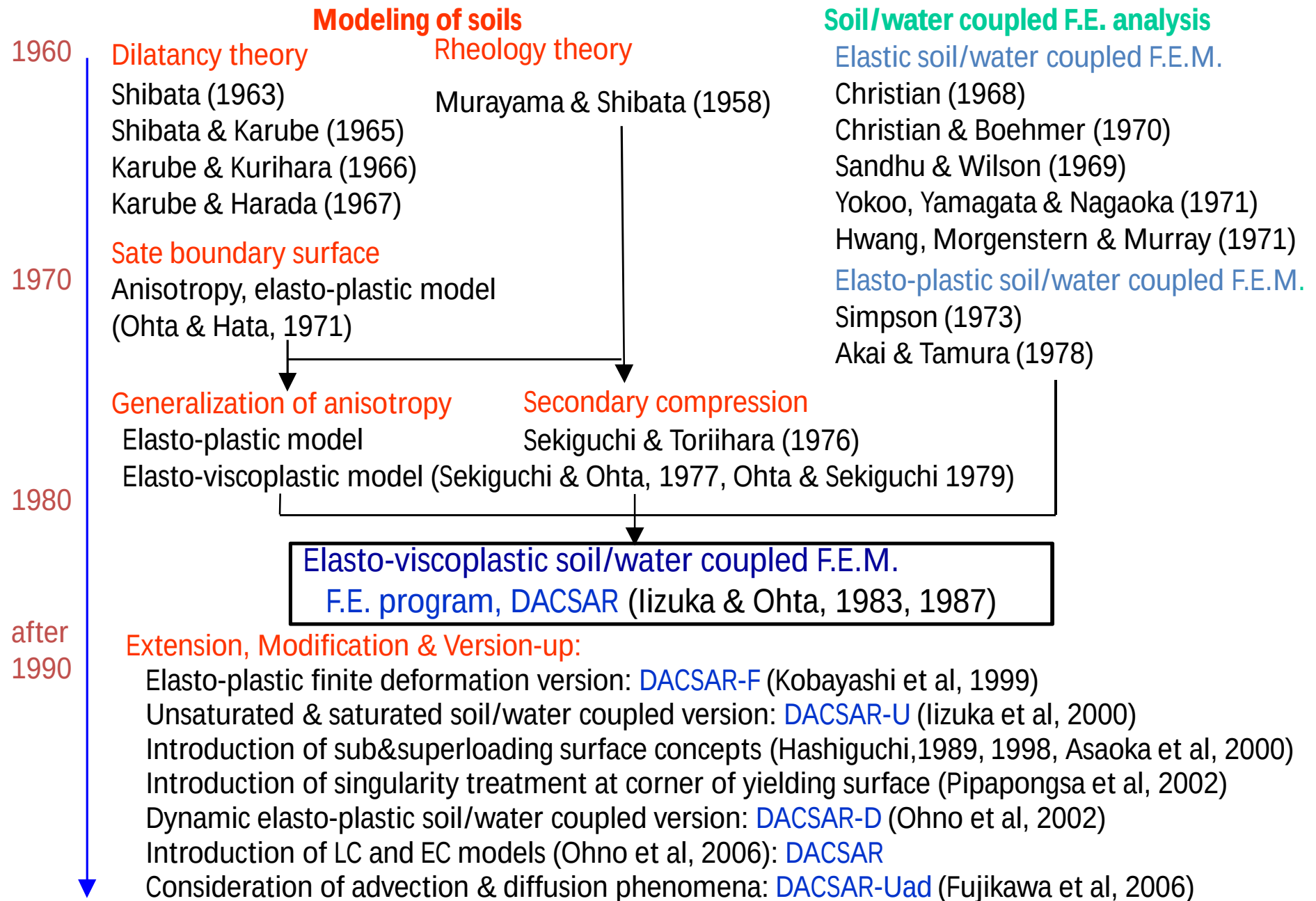


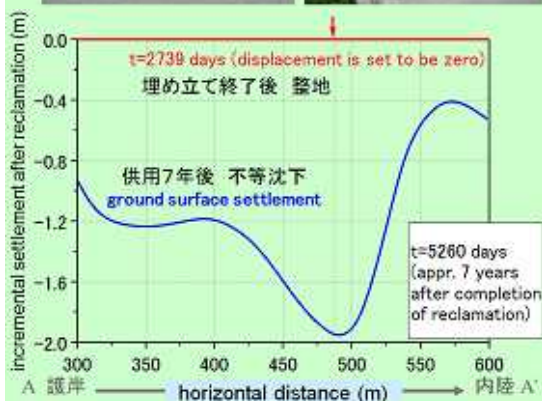
Fig. 6 - Numbers of citations of finite element computation software found in MOMIS database references (references to CESAR-LCPC and ROSALIE-LCPC have been combined in this figure).

DACSAR is introduced in, The role of advanced constitutive formulations in solving practical problems, The state-of-the-art report by J.M. Duncan, 13th ICSMFE, 1994

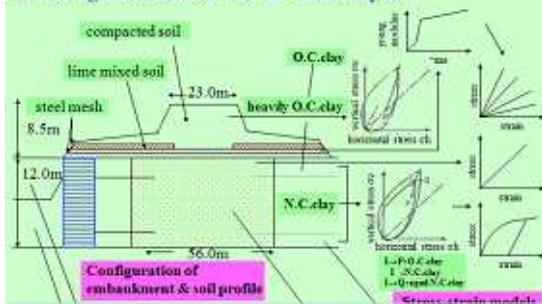
Back ground and history of DACSAR



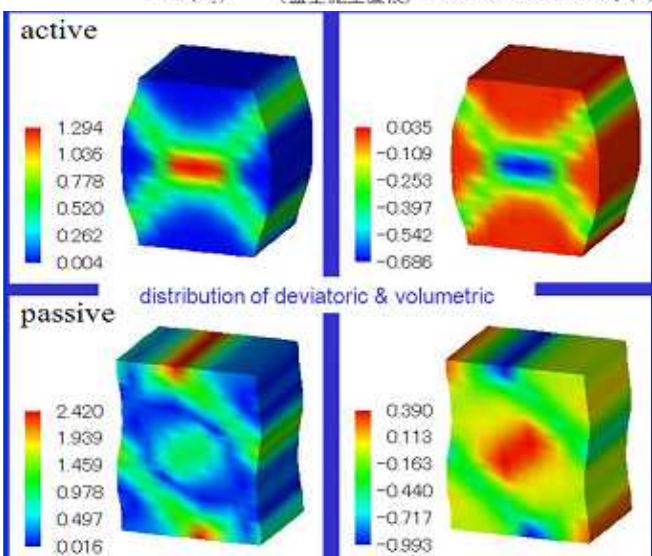
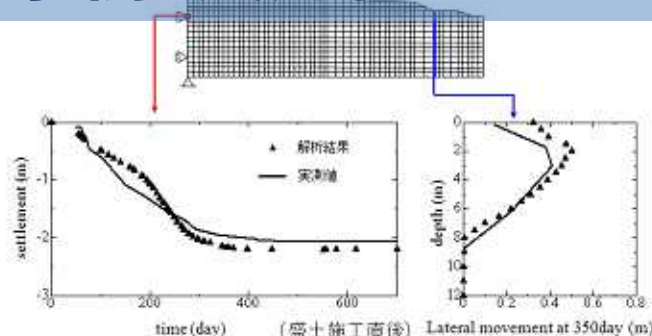
DACSARの適用事例・実用化のあれこれ



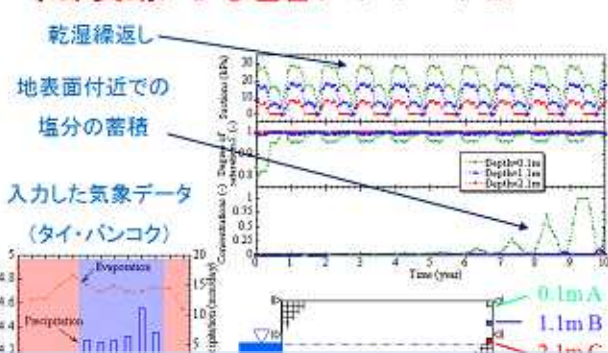
modeling of materials in the fill-subsoil system



軟弱地盤，盛土，埋立て，地盤改良，ダム，せん断帯，室内・原位置試験，ジオシンセティック補強土，塩害・沙漠化...



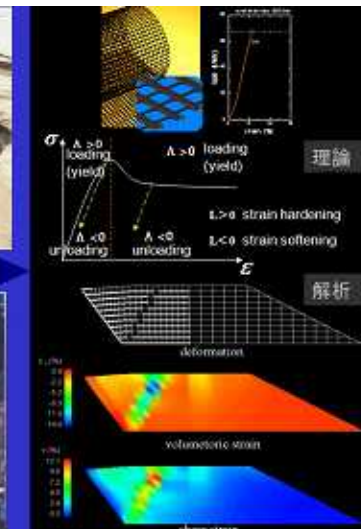
季節変動による塩害シミュレーション



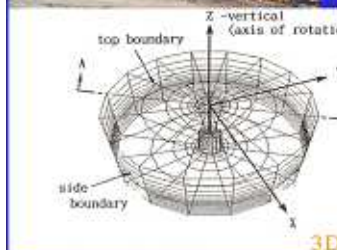
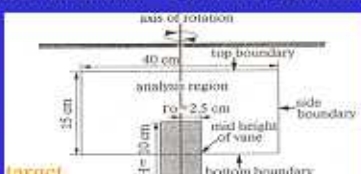
「実験」から「理論」と「解析」



ベーンせん断試験



vane shear mechanism & practical application



deformation/stability of rock fill dam

