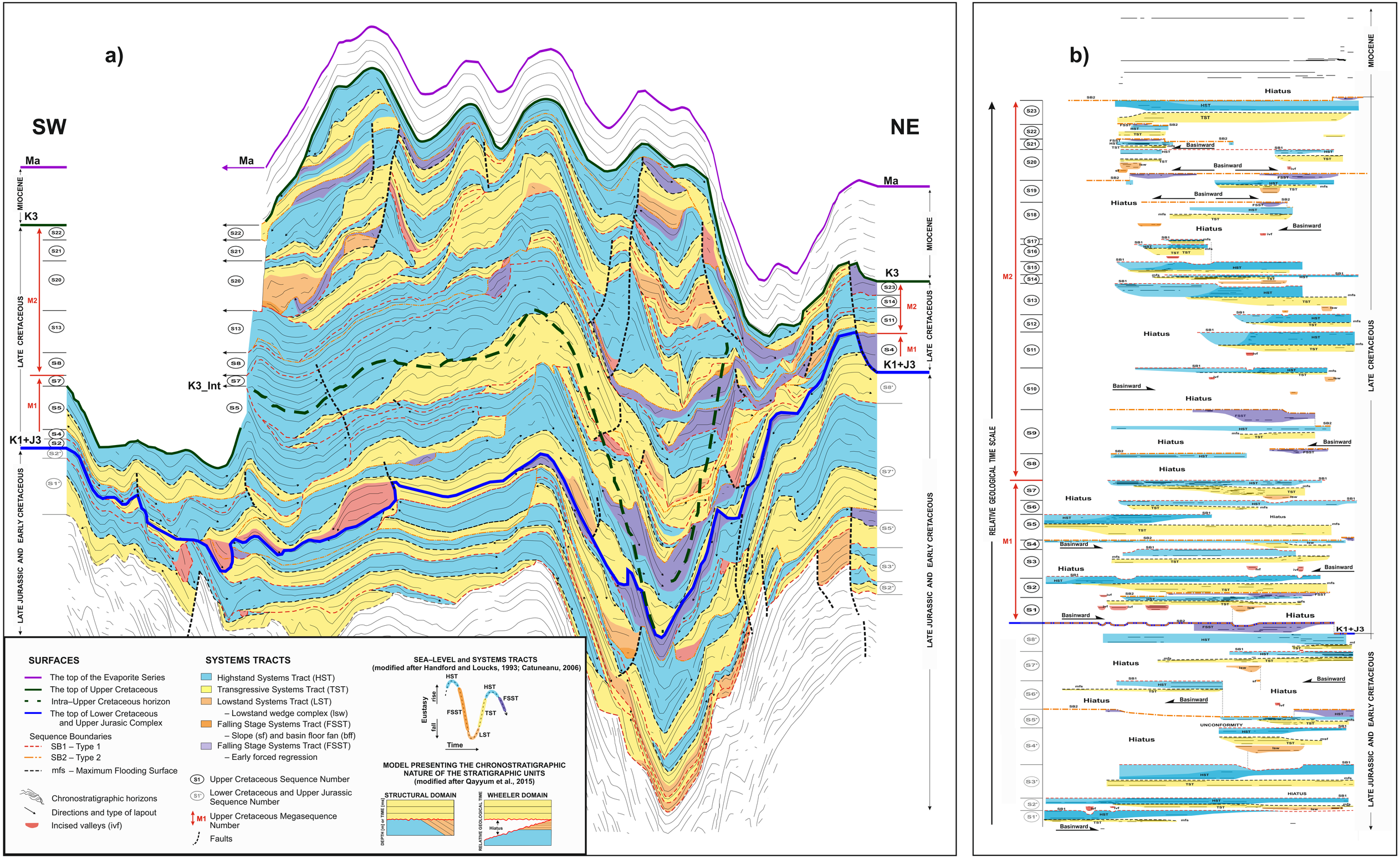

a)
SW
NE
Ma
K3
K3_Int
K1+J3
M1
M2
MIOCENE
LATE CRETACEOUS
LATE JURASSIC AND EARLY CRETACEOUS
S1'
S2'
S3'
S4
S5
S7
S8
S11
S13
S14
S20
S21
S22
S23
S5'
S7'
S8'
SURFACES
The top of the Evaporite Series
The top of Upper Cretaceous
Intra–Upper Cretaceous horizon
The top of Lower Cretaceous and Upper Jurasic Complex
Sequence Boundaries
SB1 – Type 1
SB2 – Type 2
mfs – Maximum Flooding Surface
Chronostratigraphic horizons
Directions and type of lapout
Incised valleys (ivf)
SYSTEMS TRACTS
Highstand Systems Tract (HST)
Transgressive Systems Tract (TST)
Lowstand Systems Tract (LST)
– Lowstand wedge complex (lsw)
Falling Stage Systems Tract (FSST)
– Slope (sf) and basin floor fan (bff)
Falling Stage Systems Tract (FSST)
– Early forced regression
S1 Upper Cretaceous Sequence Number
S1' Lower Cretaceous and Upper Jurassic Sequence Number
M1 Upper Cretaceous Megasequence Number
Faults
SEA–LEVEL and SYSTEMS TRACTS
(modified after Handford and Loucks, 1993; Catuneanu, 2006)
HST
FSST
TST
LST
Eustasy
rise
fall
Time
MODEL PRESENTING THE CHRONOSTRATIGRAPHIC NATURE OF THE STRATIGRAPHIC UNITS
(modified after Qayyum et al., 2015)
STRUCTURAL DOMAIN
WHEELER DOMAIN
DEPTH (m) or TIME (ms)
RELATIVE GEOLOGICAL TIME
Hiatus
b)
RELATIVE GEOLOGICAL TIME SCALE
Basinward
UNCONFORMITY
HIATUS