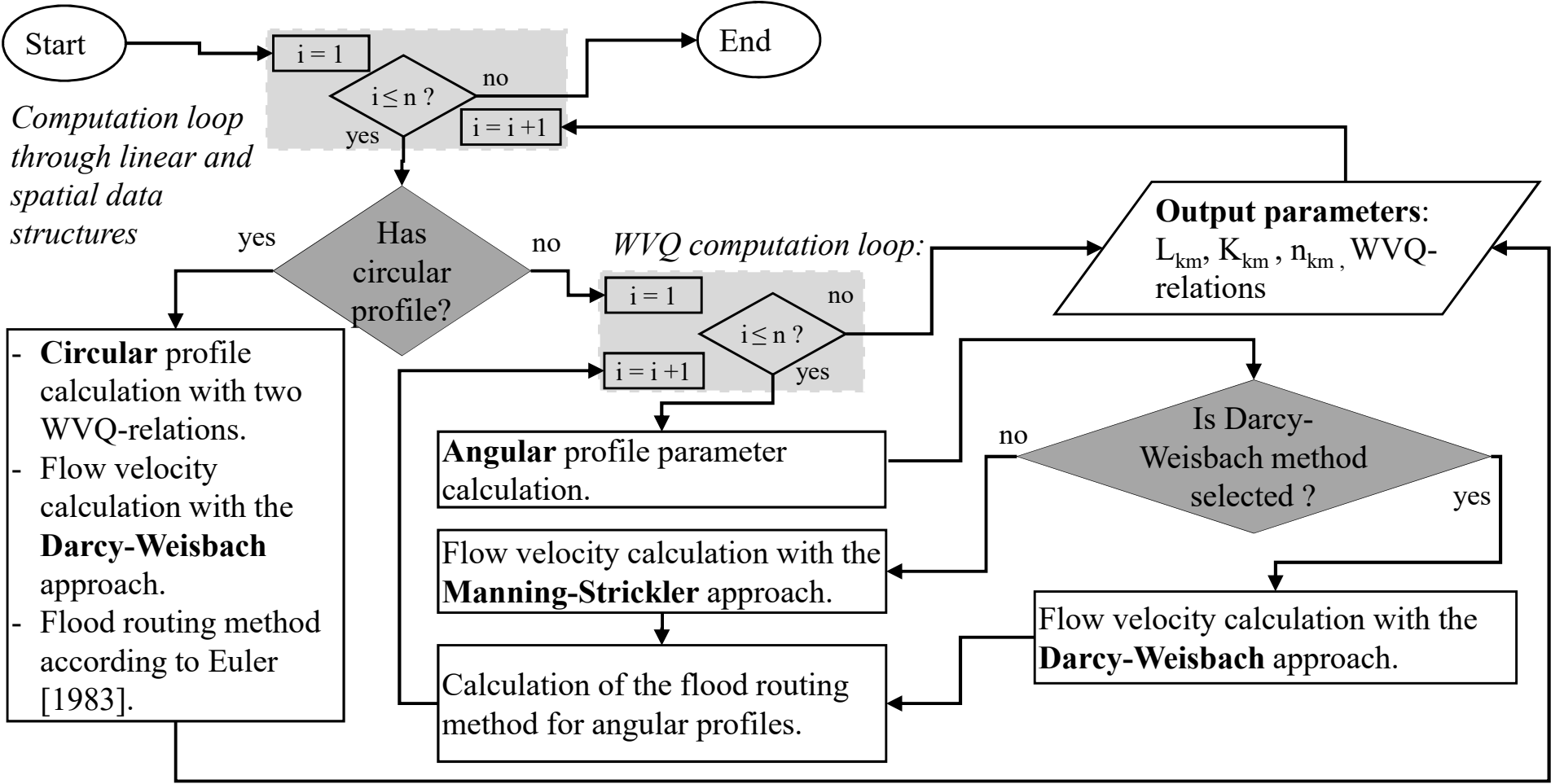
Start
i = 1
i ≤ n ?
no
yes
i = i +1
End
Computation loop through linear and spatial data structures
Has circular profile?
yes
no
WVQ computation loop:
i = 1
i ≤ n ?
no
yes
i = i +1
Output parameters: L_{km}, K_{km}, n_{km}, WVQ-relations
- Circular profile calculation with two WVQ-relations.
- Flow velocity calculation with the Darcy-Weisbach approach.
- Flood routing method according to Euler [1983].
Angular profile parameter calculation.
Is Darcy-Weisbach method selected ?
no
yes
Flow velocity calculation with the Manning-Strickler approach.
Flow velocity calculation with the Darcy-Weisbach approach.
Calculation of the flood routing method for angular profiles.