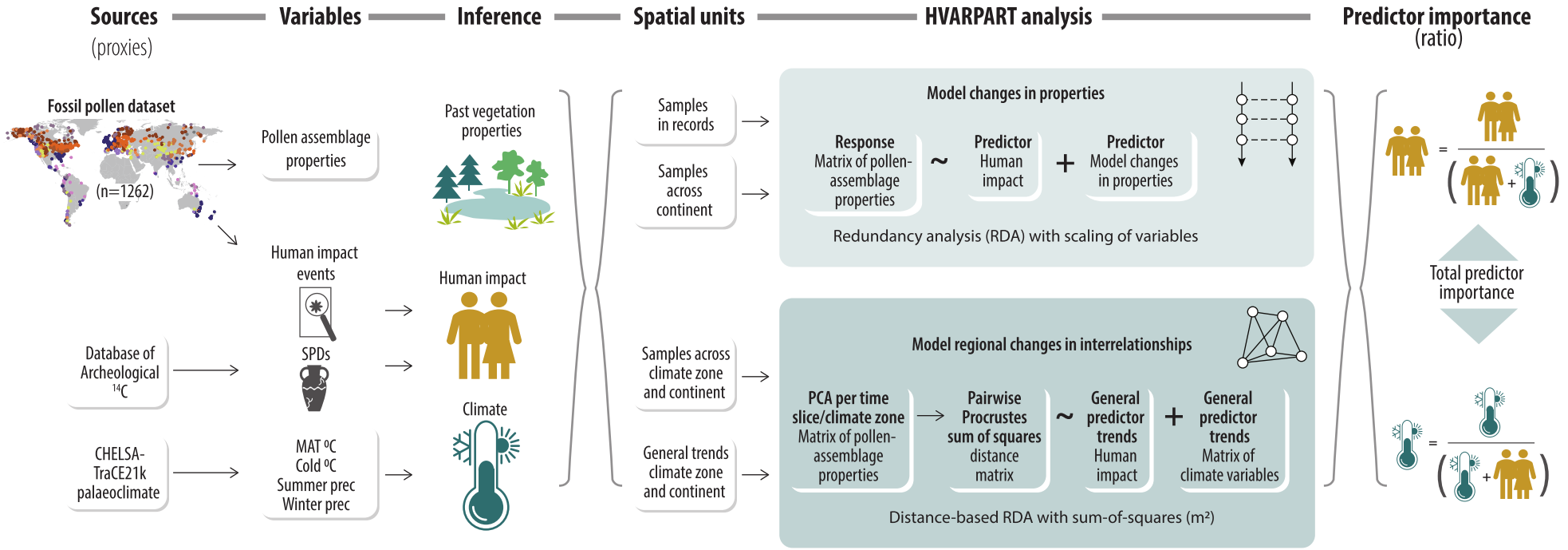
Sources
(proxies)
Variables
Inference
Spatial units
HVARPART analysis
Predictor importance
(ratio)
Fossil pollen dataset
(n=1262)
Pollen assemblage properties
Past vegetation properties
Human impact events
SPDs
Database of Archeological 14C
Human impact
CHELSA-TraCE21k palaeoclimate
MAT °C
Cold °C
Summer prec
Winter prec
Climate
Samples in records
Samples across continent
Samples across climate zone and continent
General trends climate zone and continent
Model changes in properties
Response
Matrix of pollen-assemblage properties
~
Predictor
Human impact
+
Predictor
Model changes in properties
Redundancy analysis (RDA) with scaling of variables
Model regional changes in interrelationships
PCA per time slice/climate zone
Matrix of pollen-assemblage properties
Pairwise Procrustes sum of squares
distance matrix
~
General predictor trends
Human impact
+
General predictor trends
Matrix of climate variables
Distance-based RDA with sum-of-squares (m²)
Total predictor importance