



Genetska struktura i filogeografija ljekovite kadulje (*Salvia officinalis* L.): zadnjih 20 000 godina (?)

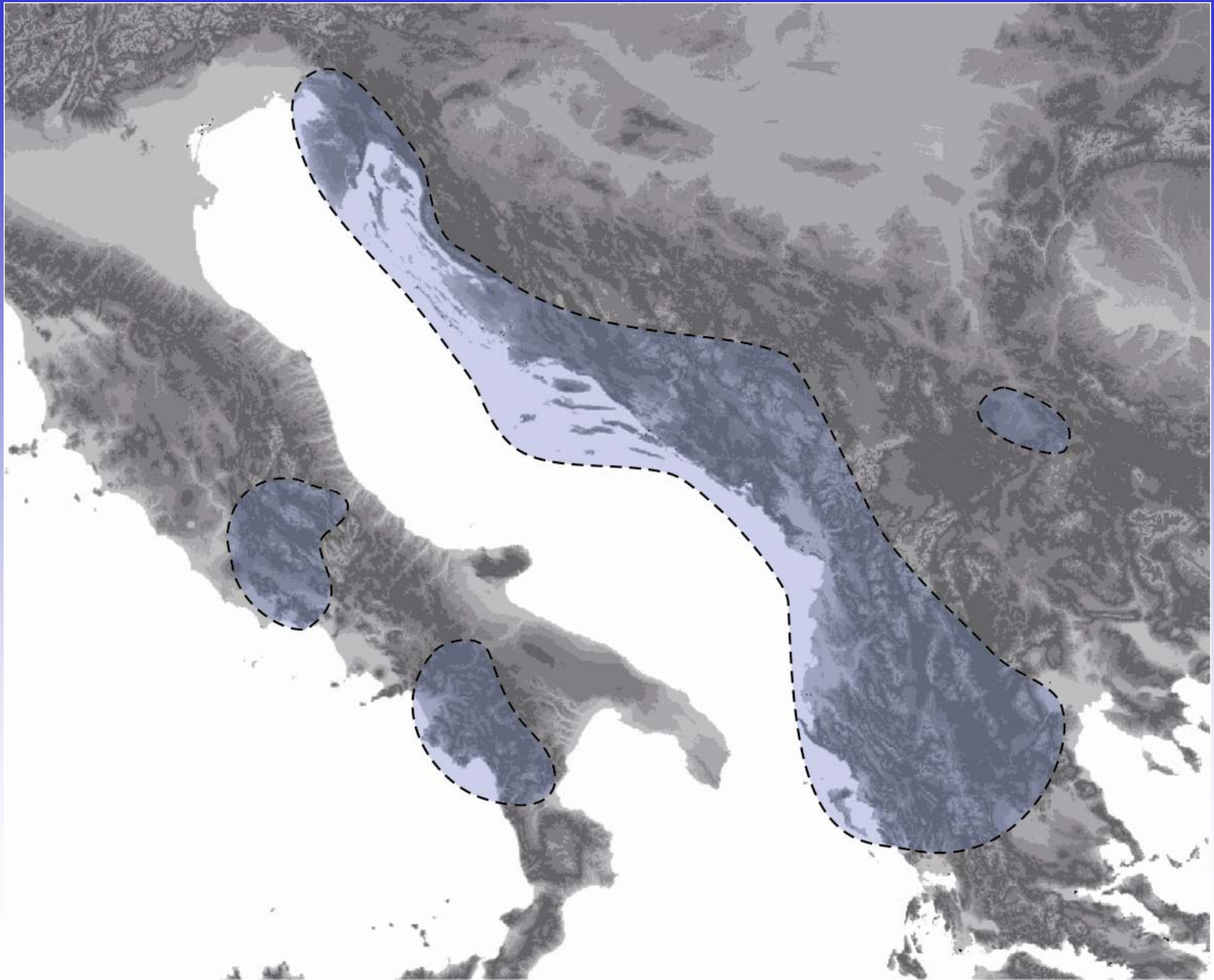
dr. sc. Ivan Radosavljević

Salvia officinalis L. – ljekovita kadulja

- Porodica: *Lamiaceae*
- Podporodica: *Nepetoideae*
- Tribus: *Mentheae*
- Rod: *Salvia*
- Sekcija: *Salvia*
(30-40 vrsta – Mediteran,
Irano-Turanska regija)

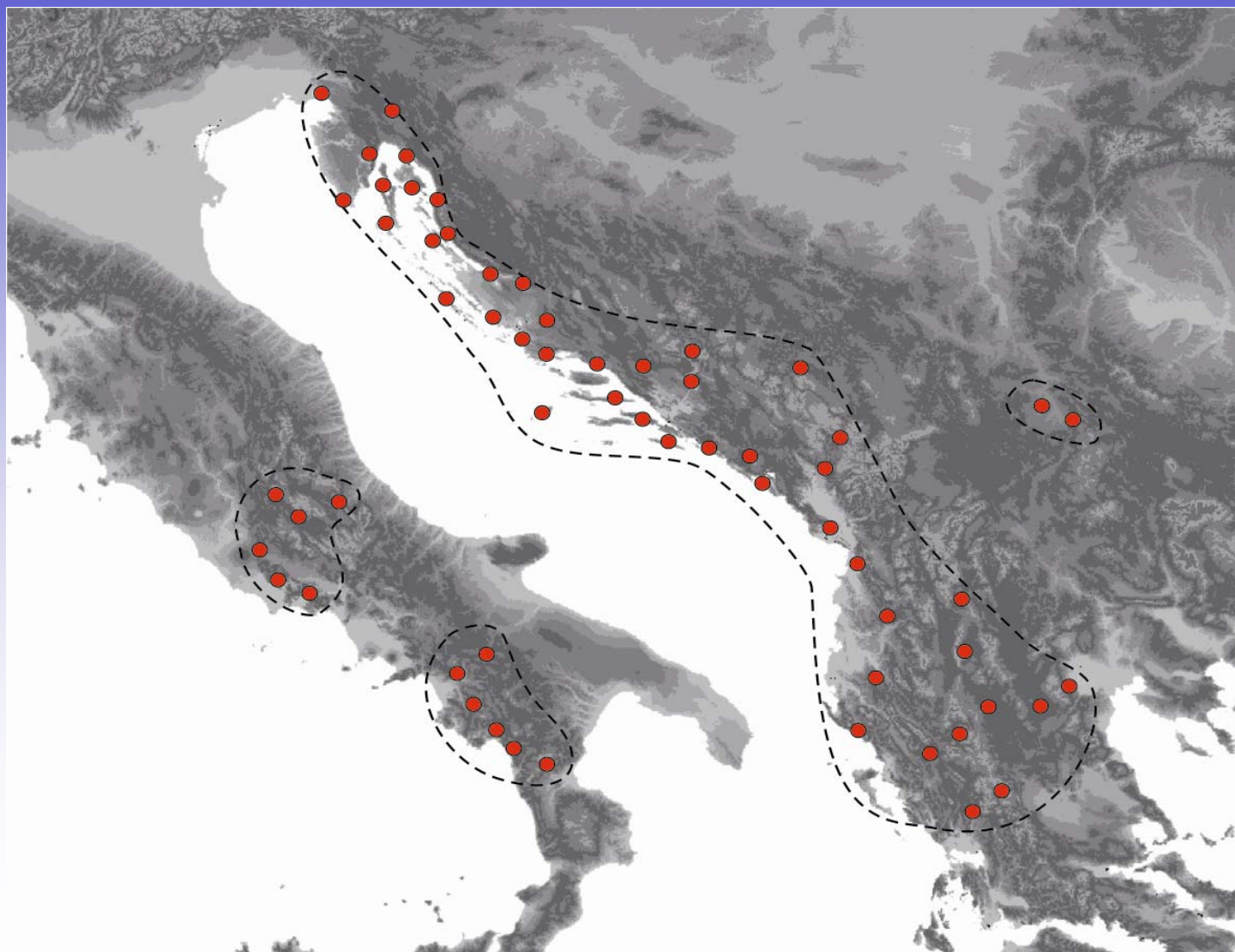


- područje rasprostranjenosti – istočna obala Jadrana, disjunkcije u unutrašnjosti Balkanskog poluotoka, središnji i južni dijelovi Apeninskog poluotoka
- brojne naturalizirane i supspontane populacije



62 populacije, ~1400 uzoraka, 9 država (Slovenija, Hrvatska, BiH, Crna Gora, Srbija, Albanija, Makedonija, Grčka, Italija)

20-25 uzoraka po populaciji



Mikrosatelitni biljezi:

SoUZ001

SoUZ002

SoUZ003

SoUZ007

SoUZ011

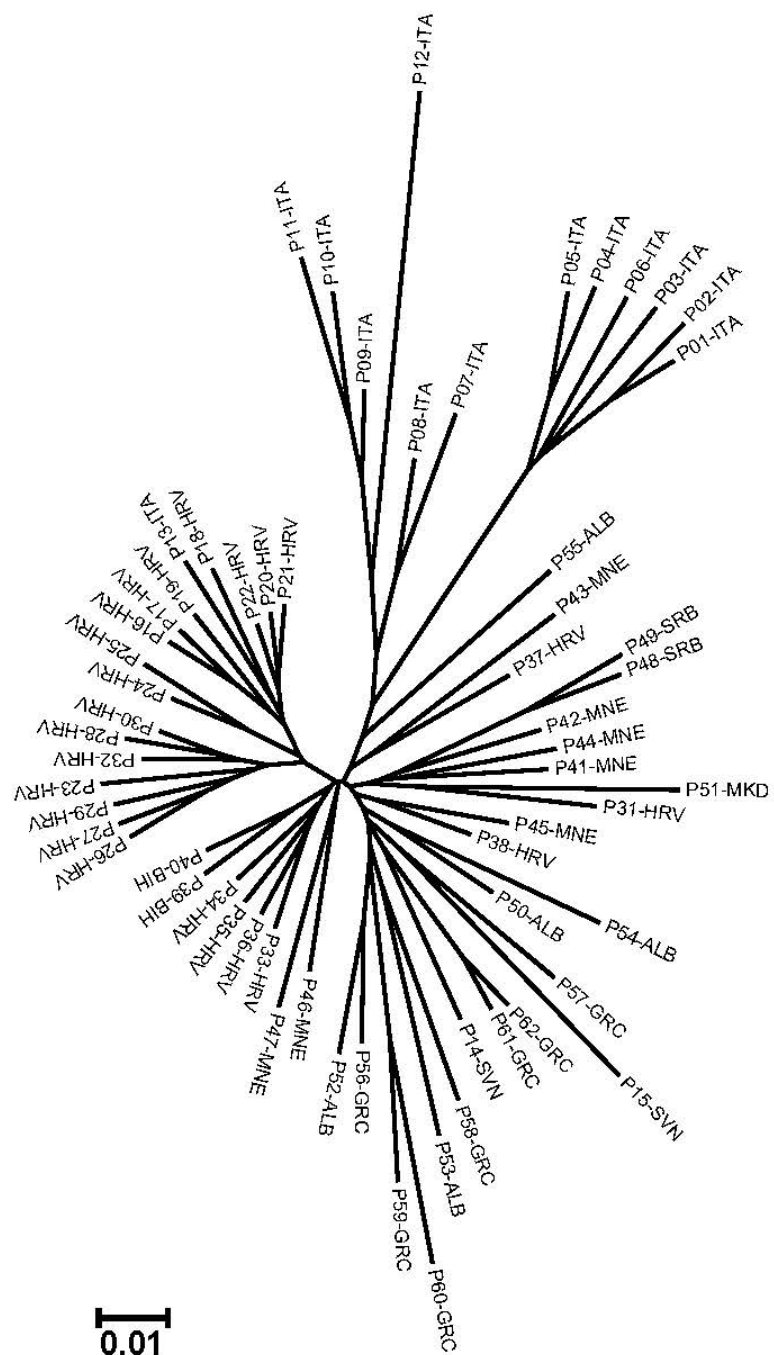
SoUZ013

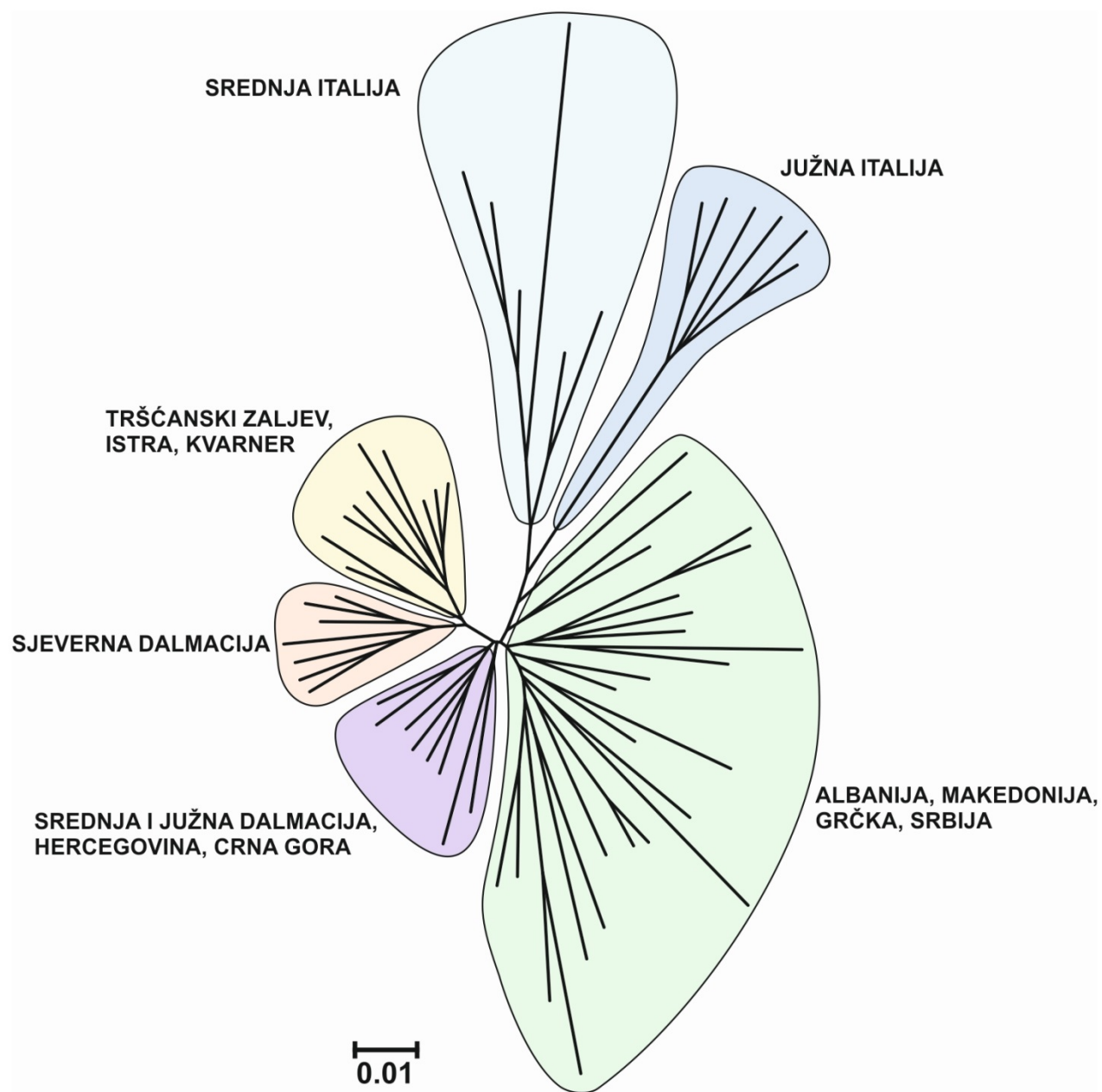
SoUZ014

SoUZ019

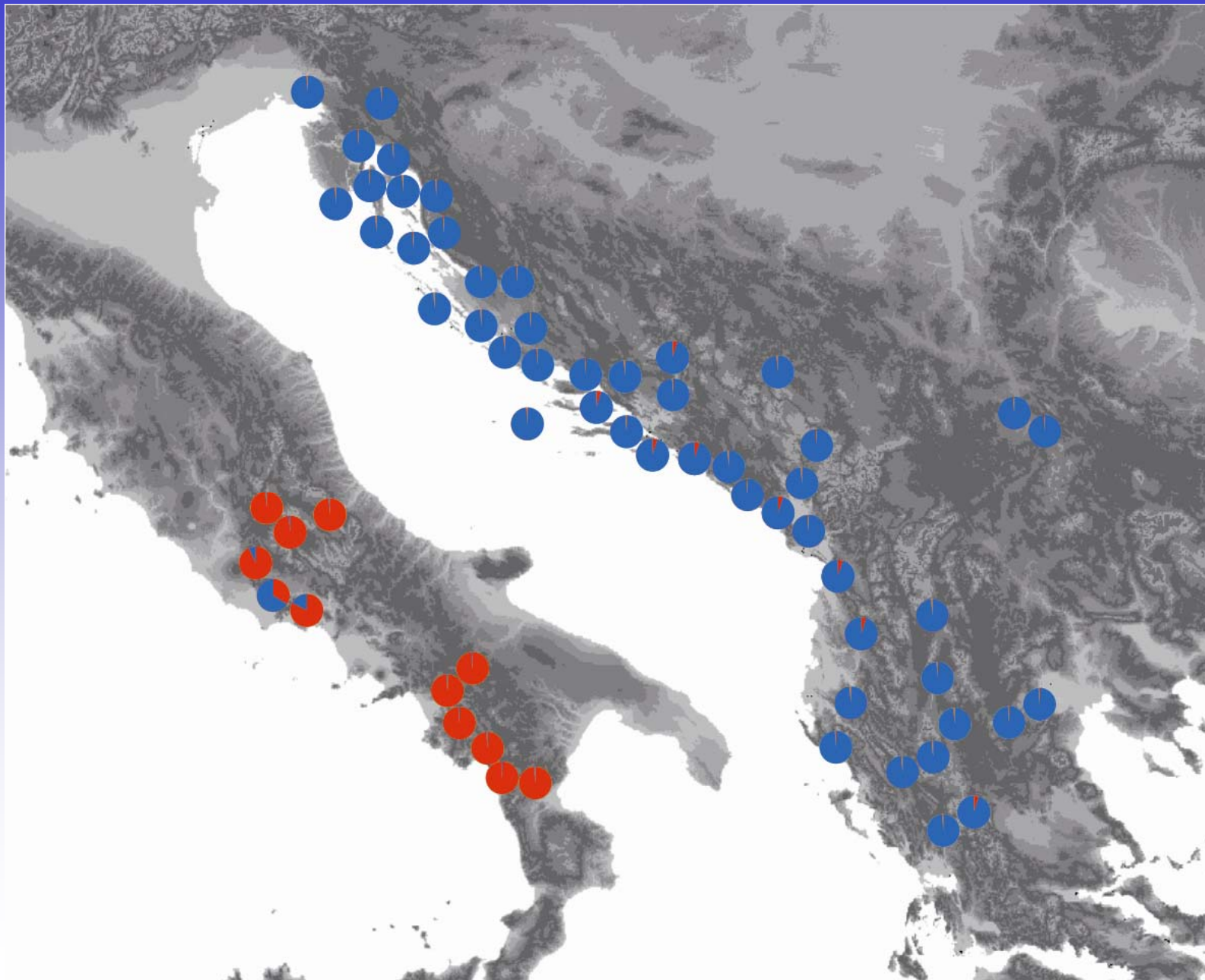
Ciljevi istraživanja:

- **utvrđivanje razina unutar- i među-populacijske genetičke raznolikosti**
- **utvrđivanje srodstvenih odnosa između populacija**
- **detekcija i definiranje izvornih populacija (populacijsko-genetičke karakteristike, geografski položaj)**
- **postavljanje hipoteza o geografskom podrijetlu vrste, te dinamici i smjerovima širenja (ili povlačenja) ljekovite kadulje u proteklom razdoblju**

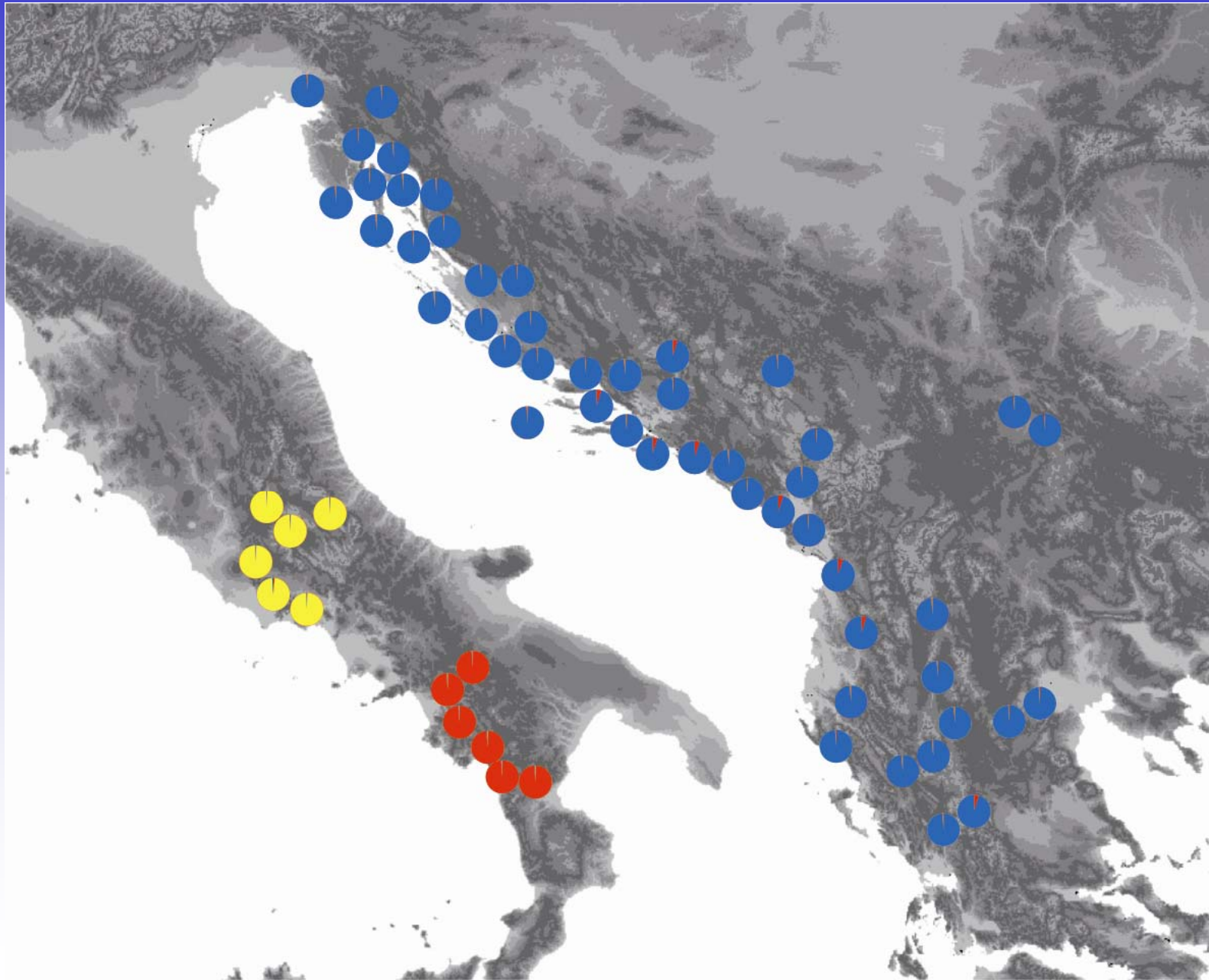




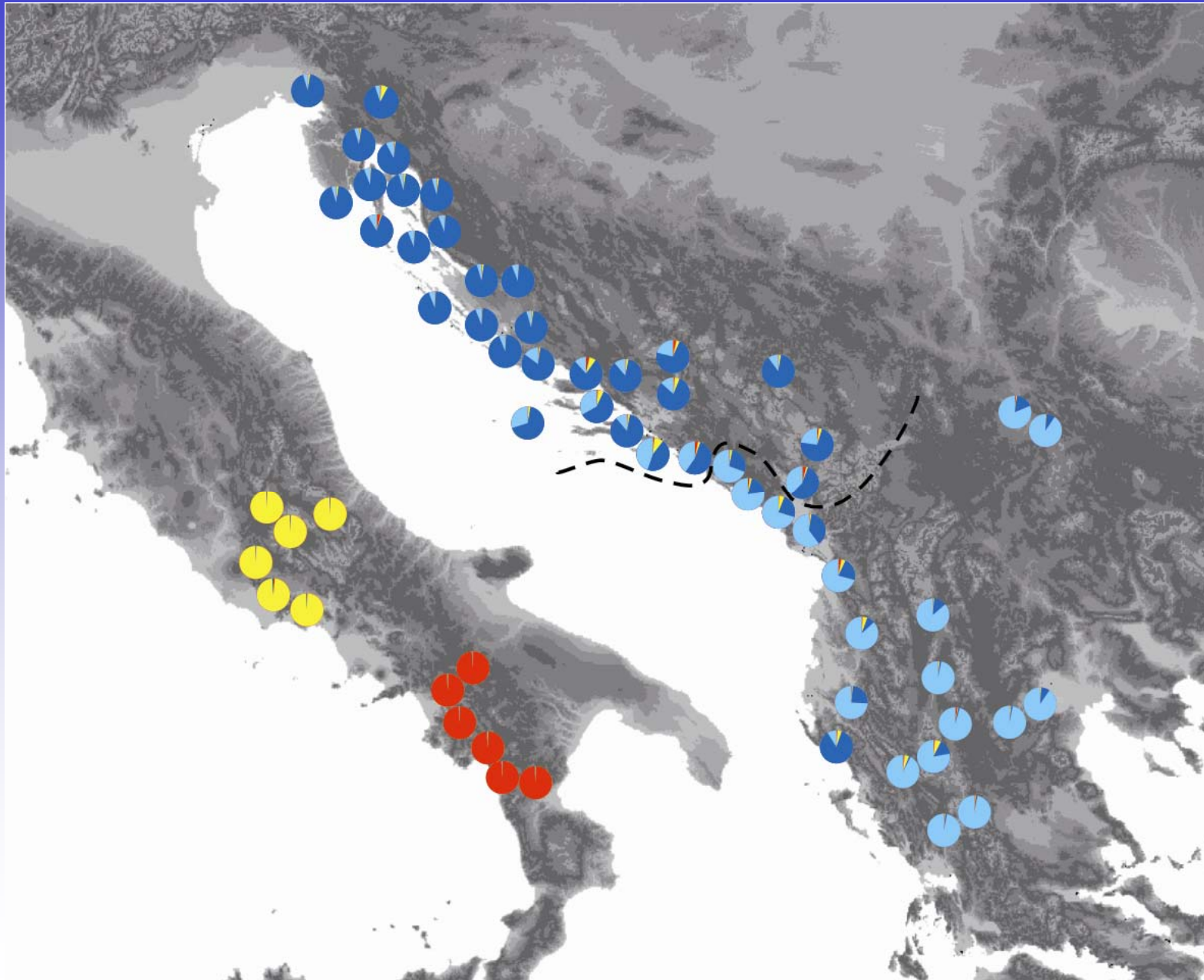
STRUCTURE, $K = 2$



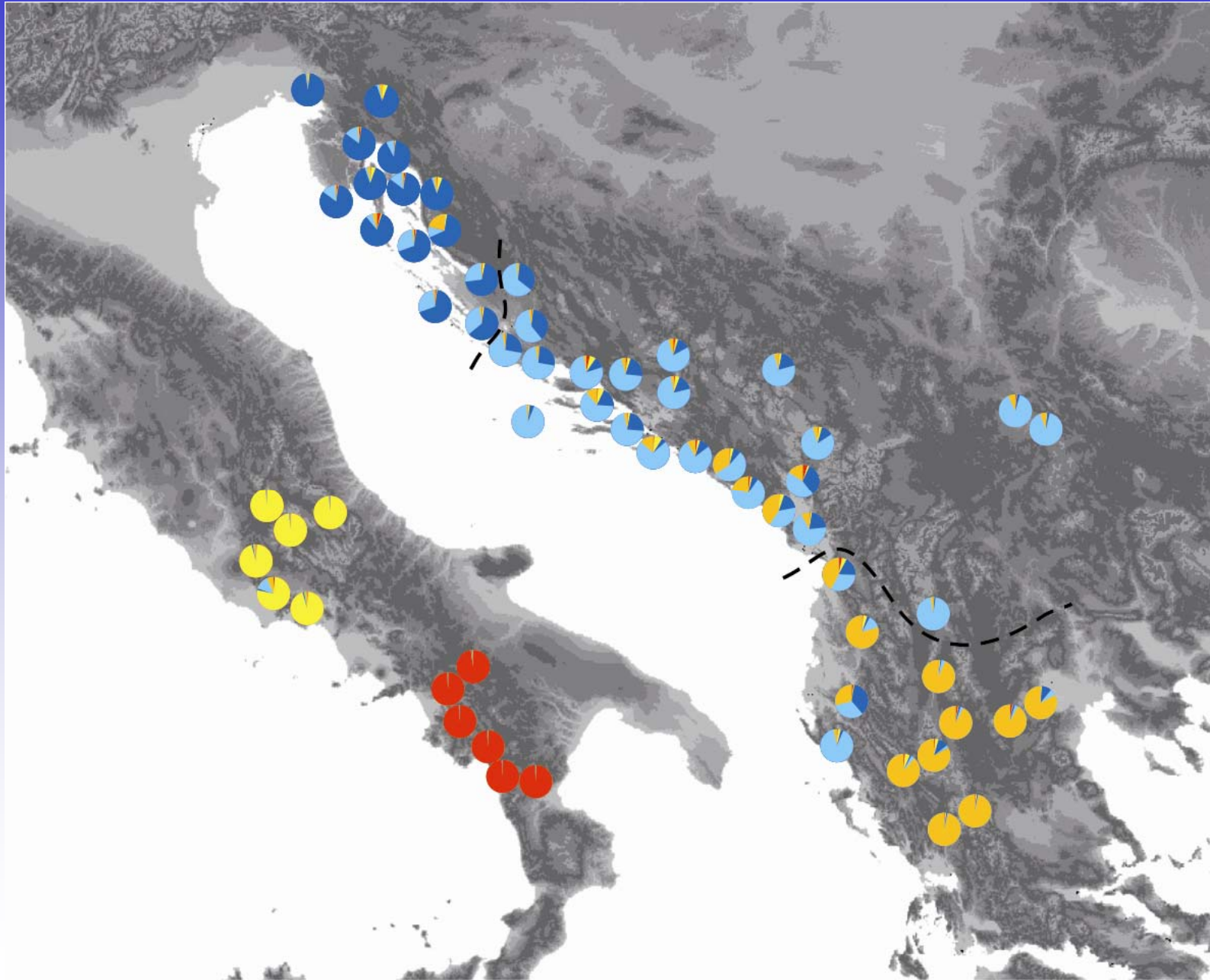
STRUCTURE, $K = 3$



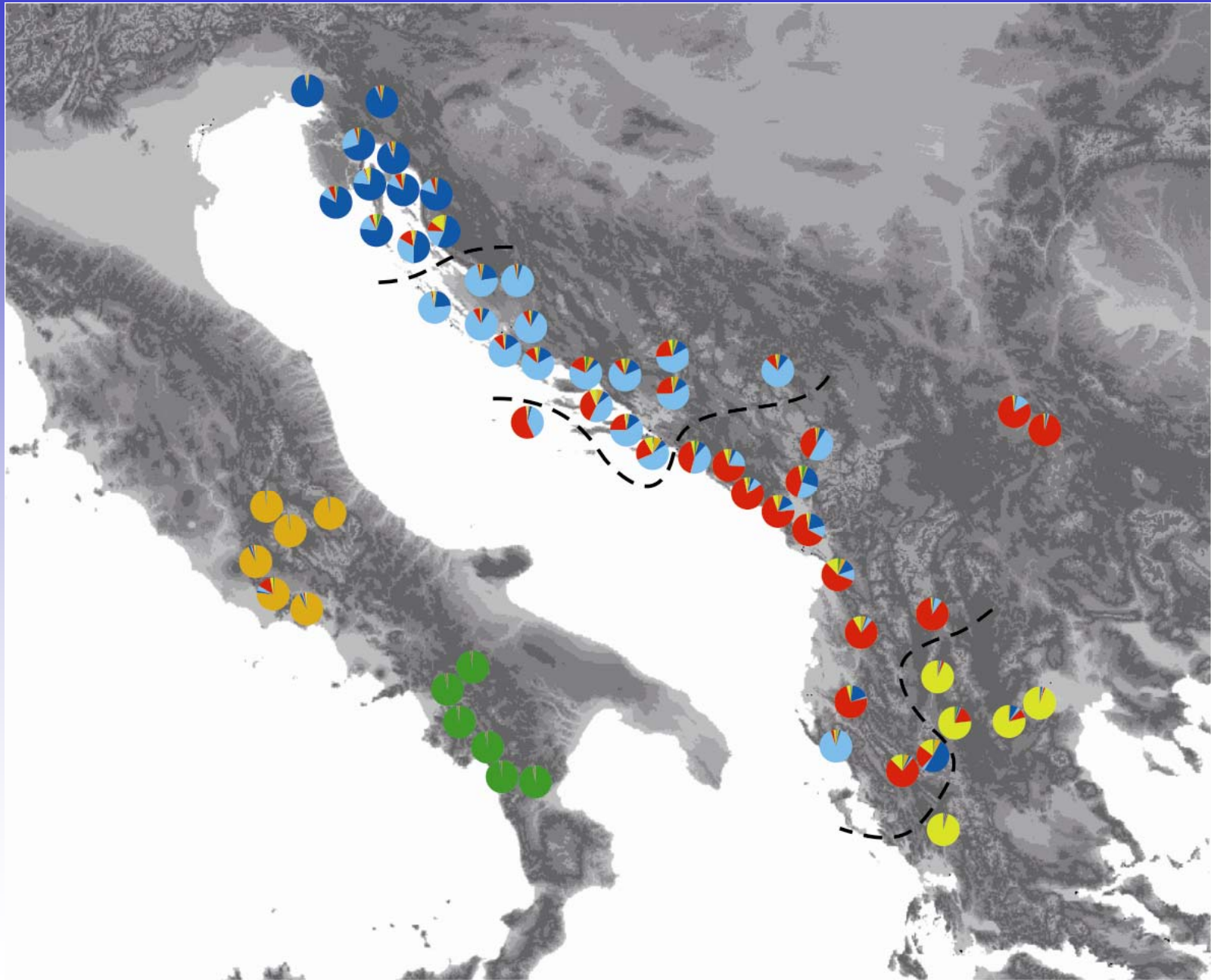
STRUCTURE, $K = 4$

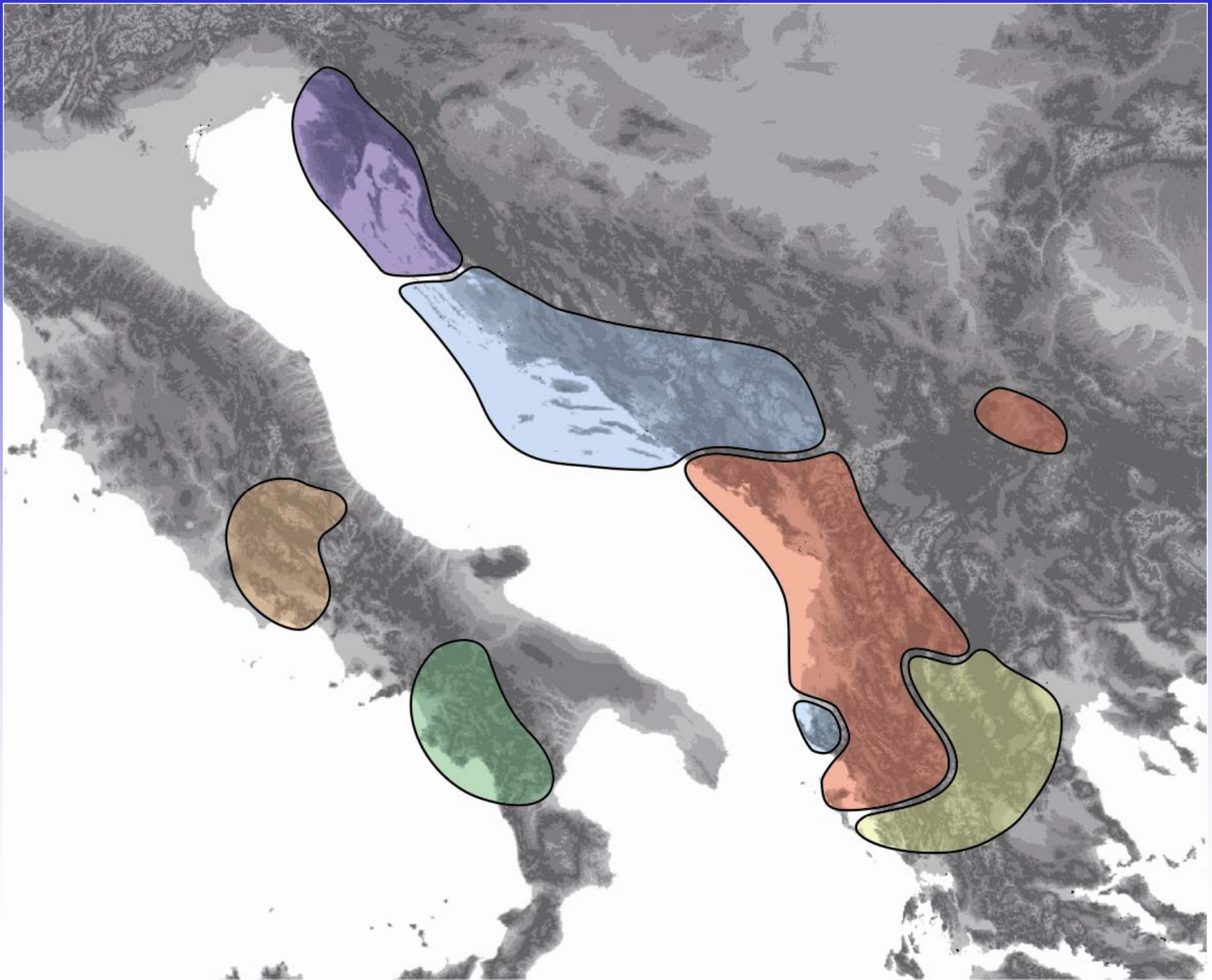


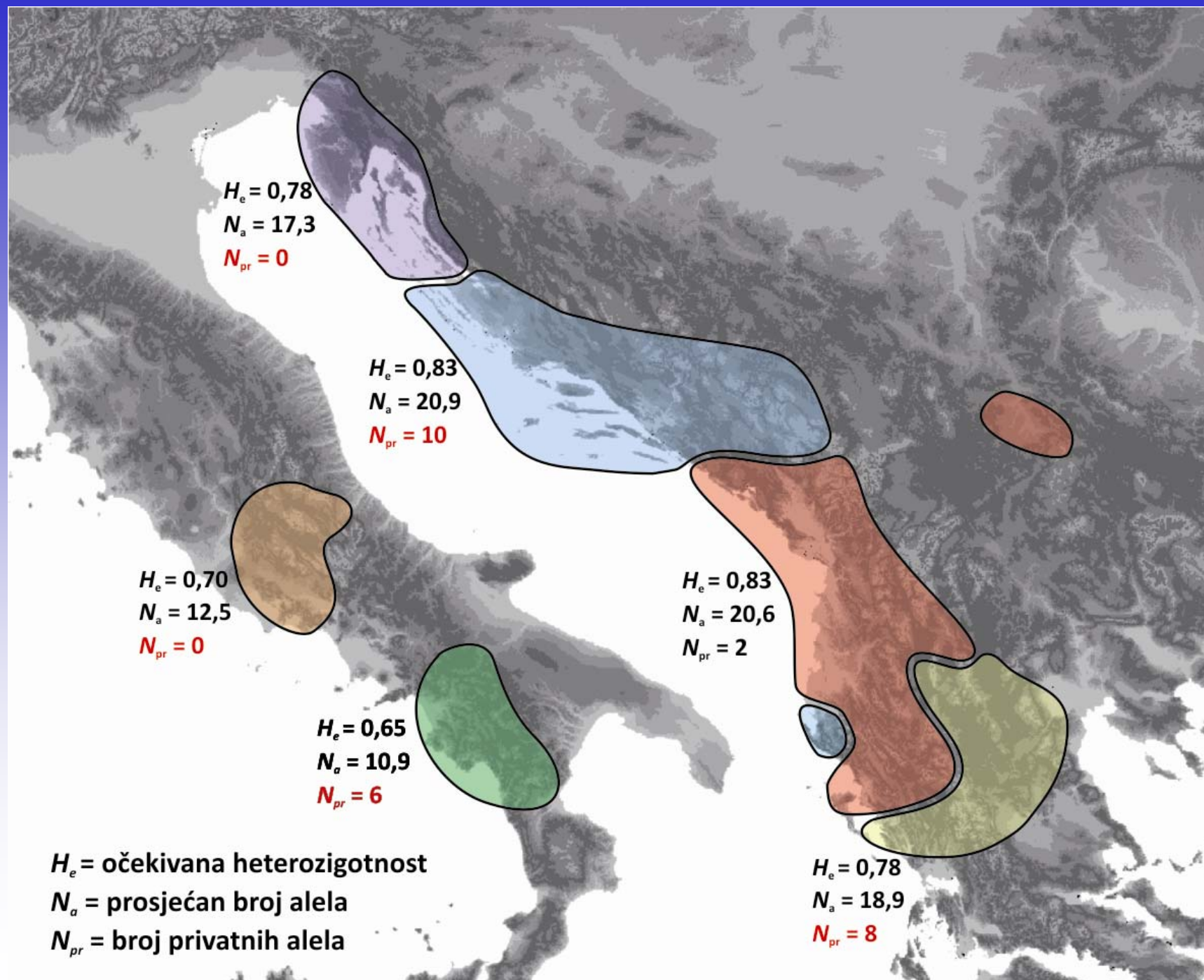
STRUCTURE, $K = 5$



STRUCTURE, $K = 6$

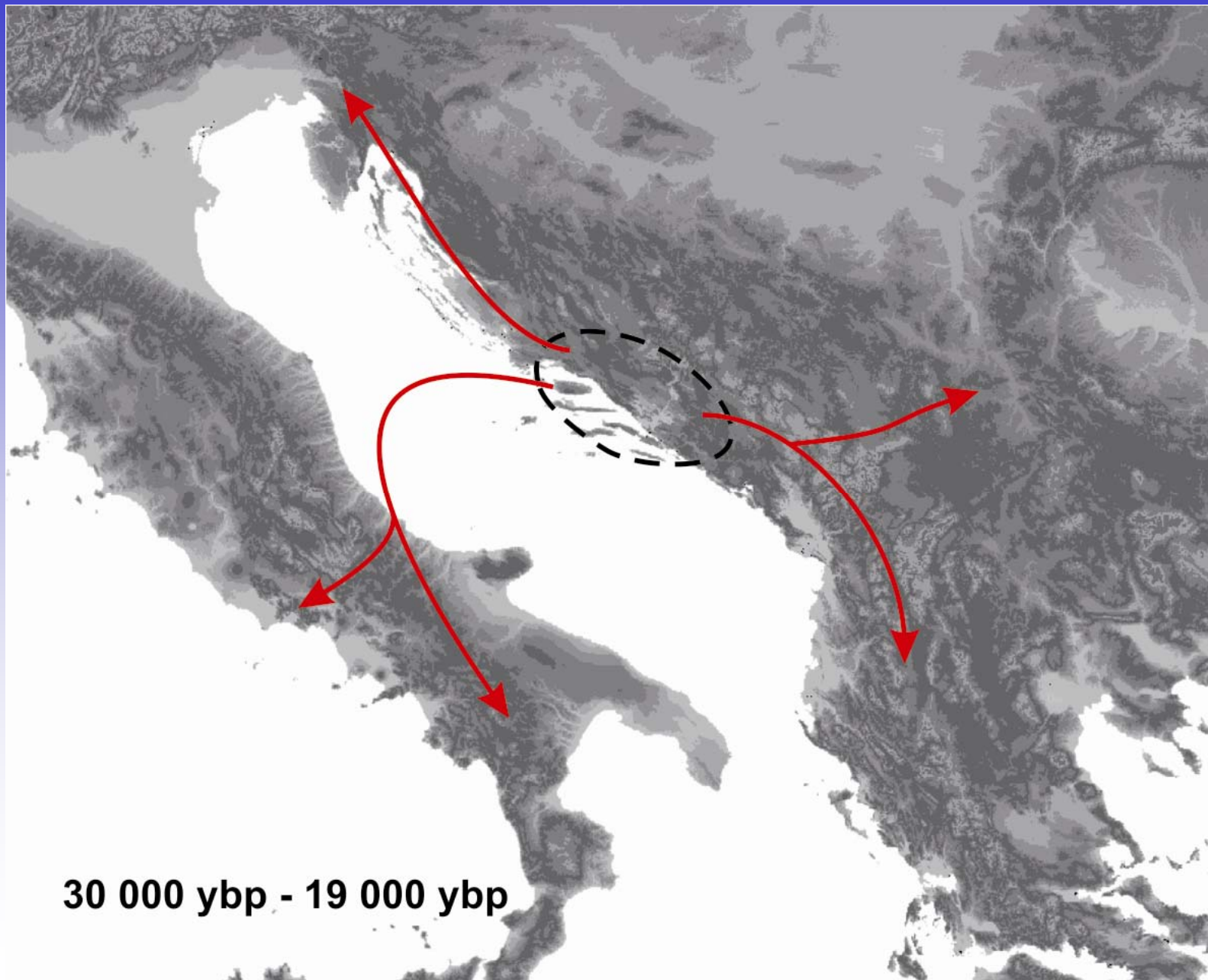


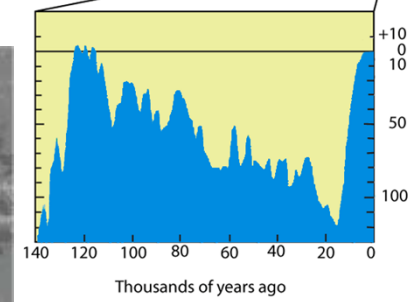
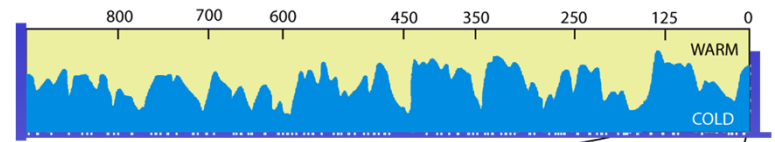
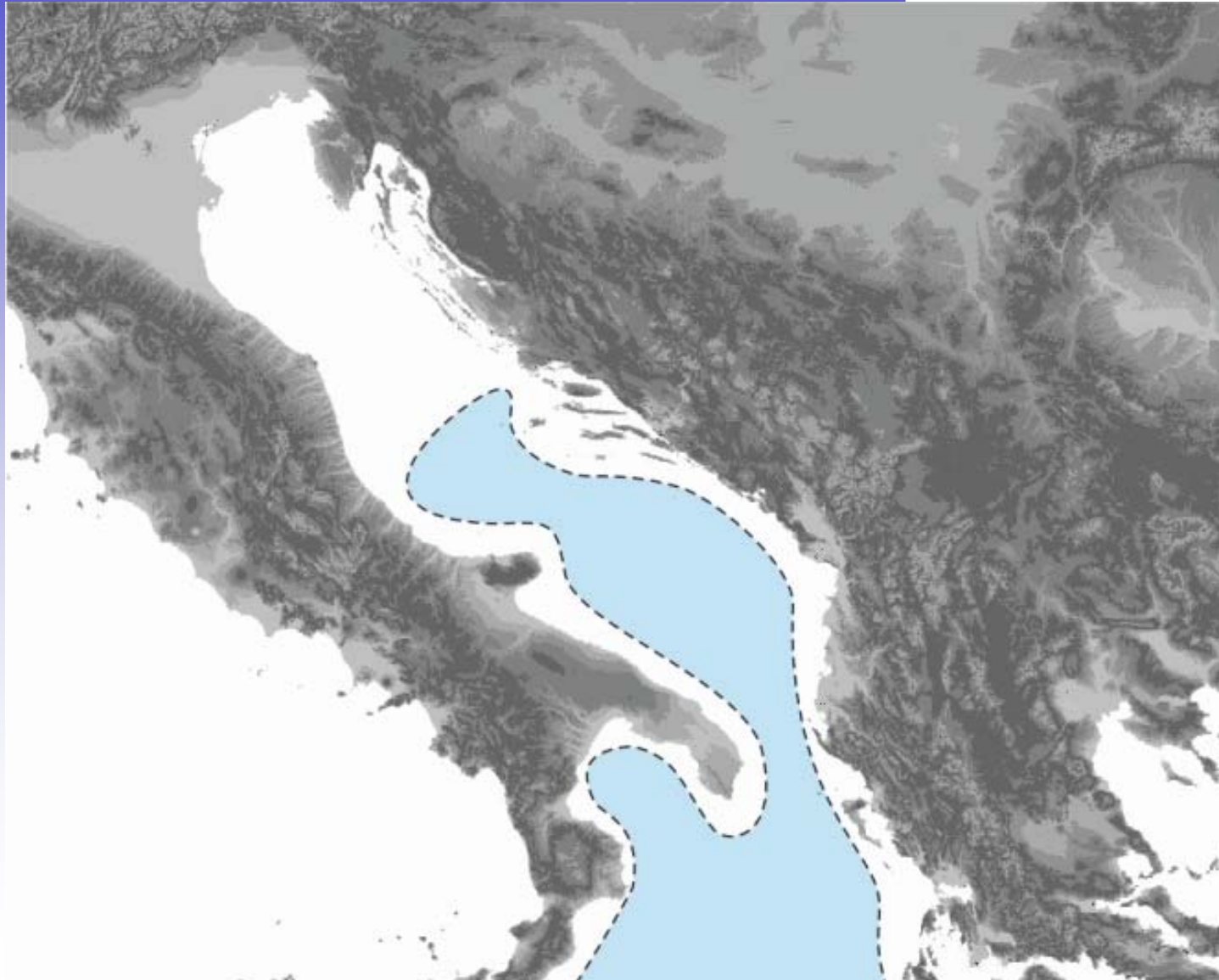




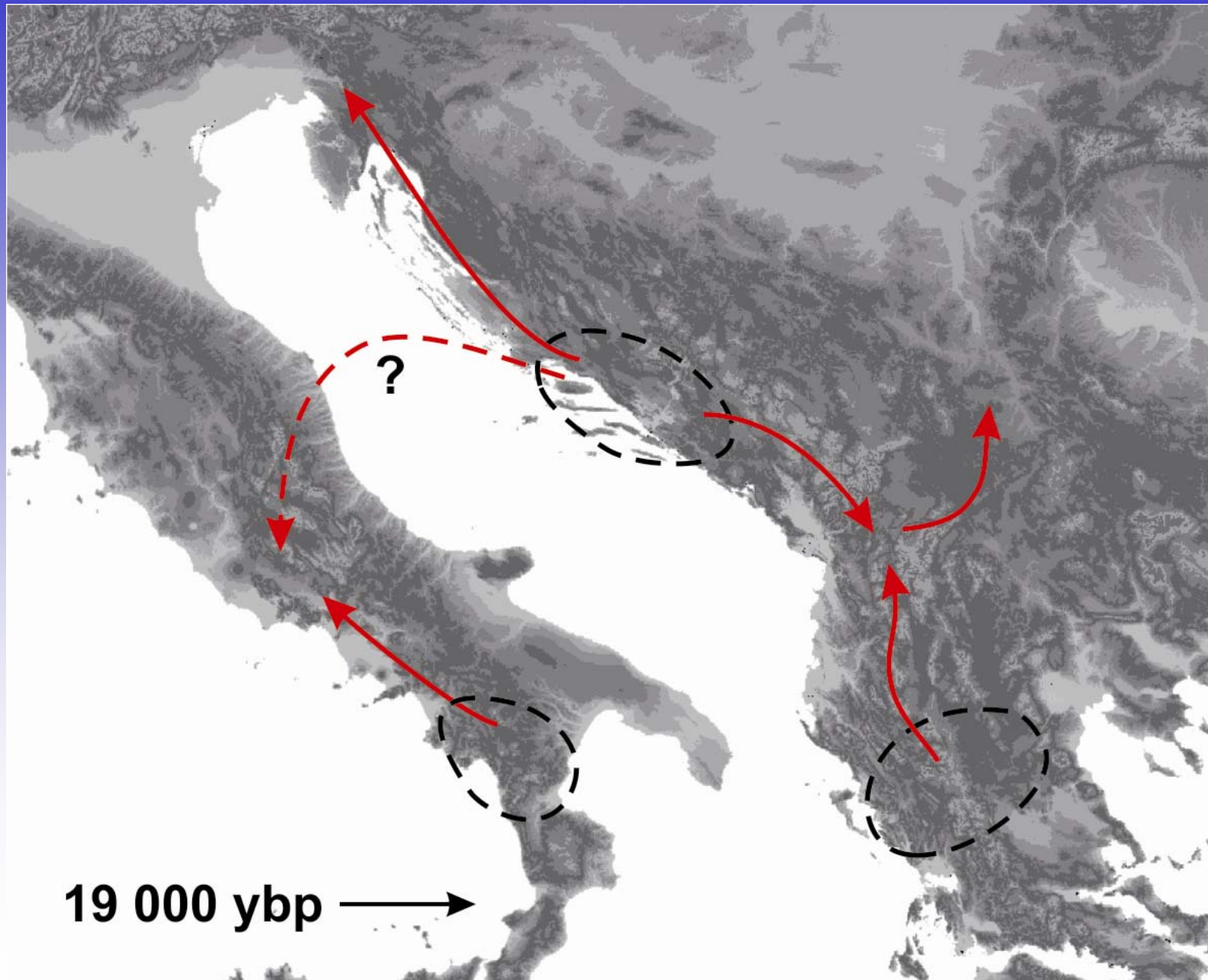


Hipoteza 1.

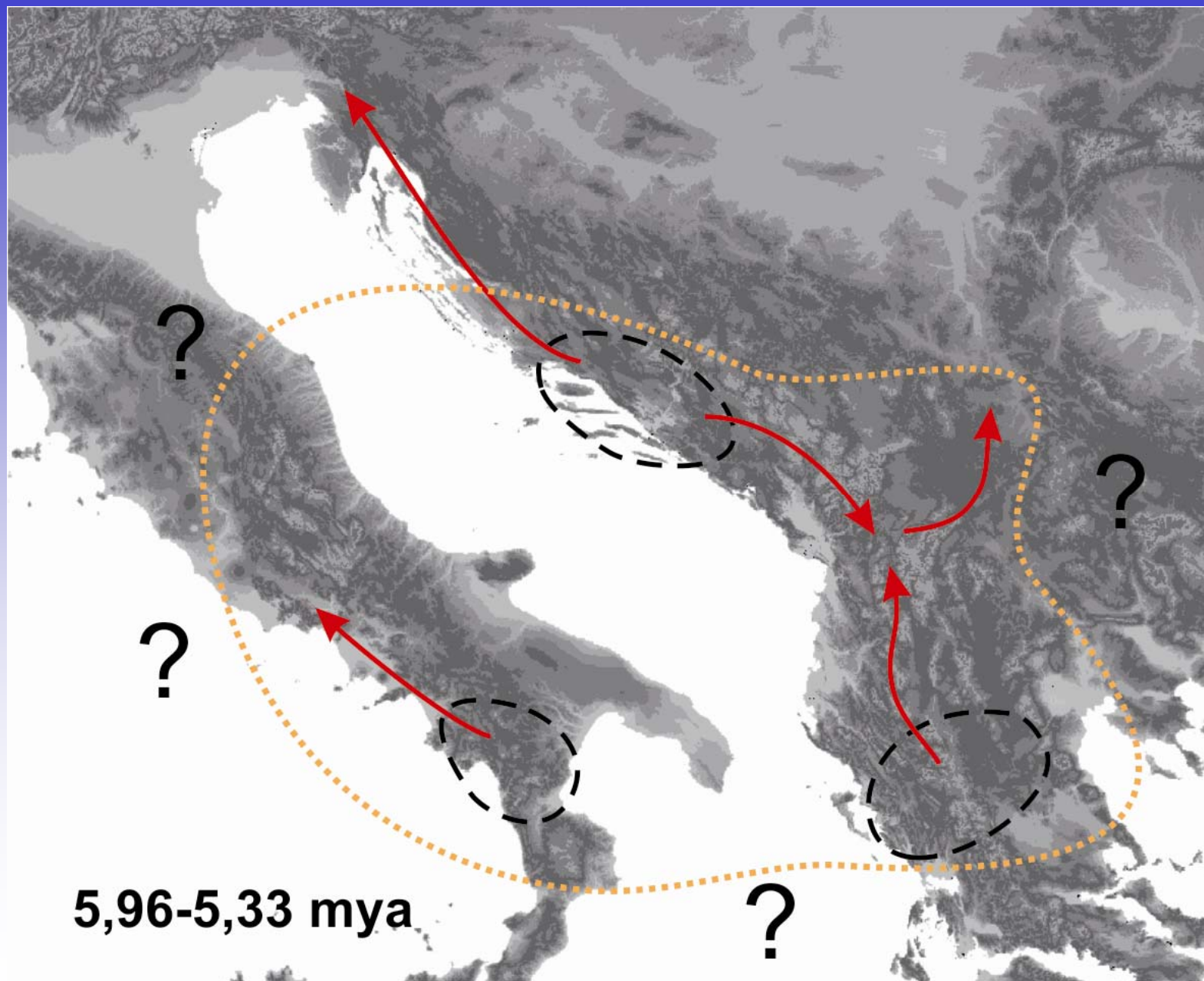




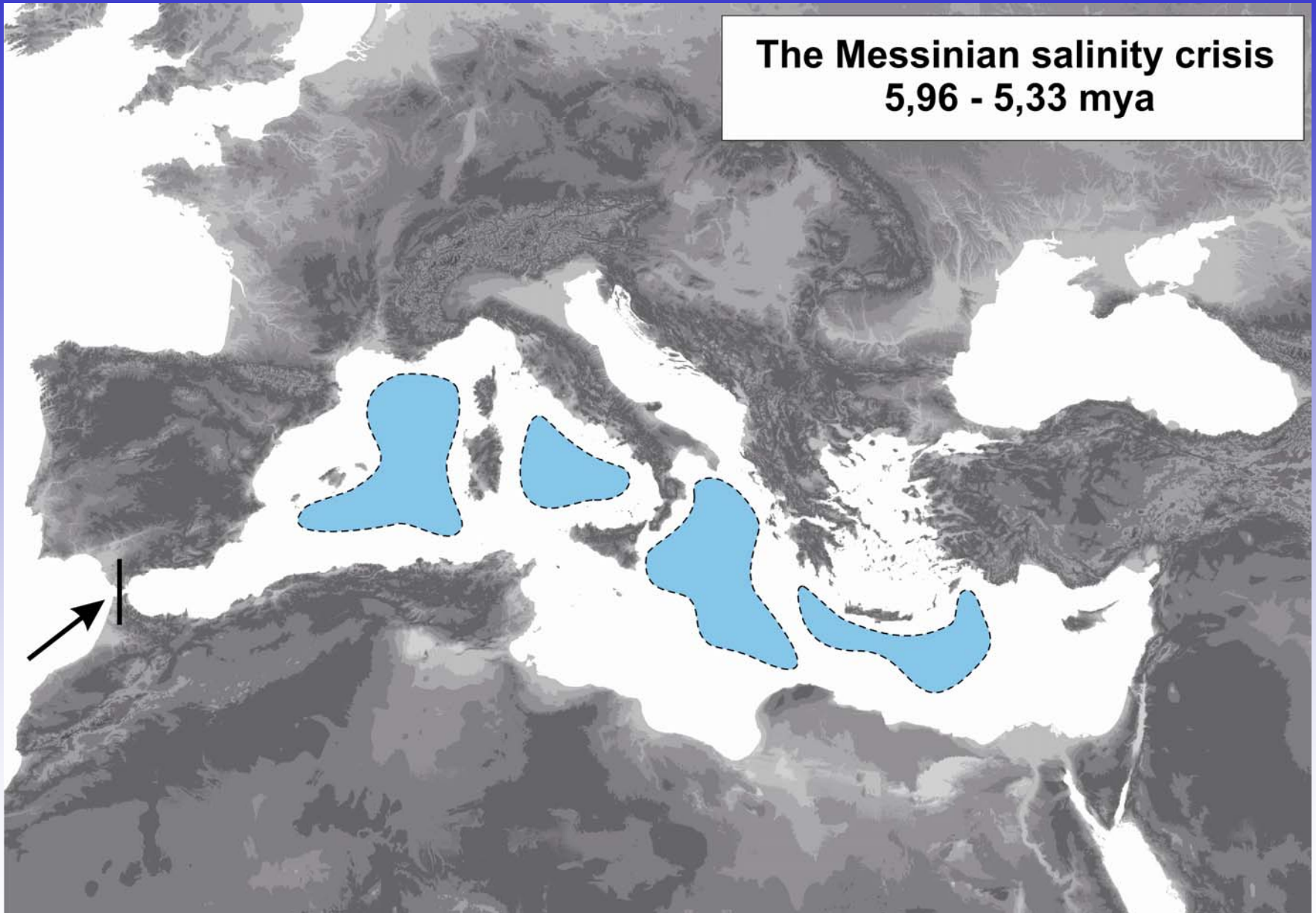
Hipoteza 2.



Hipoteza 3.



The Messinian salinity crisis
5,96 - 5,33 mya





Epigenetička vs. genetička raznolikost prirodnih biljnih populacija: Studija slučaja hrvatskih endemičnih kadulja

Projekt financira Hrvatska zaklada za znanosti

Projektni tim



Zlatko Šatović
Klaudija Carović-Stanko
Martina Grdiša
Ivan Biruš

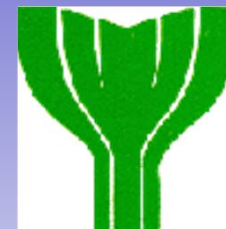
Jerko Gunjača

Sandro Bogdanović



Toni Nikolić
Zlatko Liber
Ivana Rešetnik
Ivan Radosavljević

Vlatka Zoldoš
Vedrana Vičić



Marija Jug-Dujaković



Hvala na pažnji!