

A

ISOTROPIC analysis

Digital Elevation Model

800	450	200
500	500	550
500	500	550

Largest slope

35	35	35
30	21	35
0	5	5

Travelling time without
slope consideration

17	12	17
12	0	12
17	12	17

Travelling time using
largest slope

46	33	46
29	0	33
17	20	28

B

ANISOTROPIC analysis

Directional slope

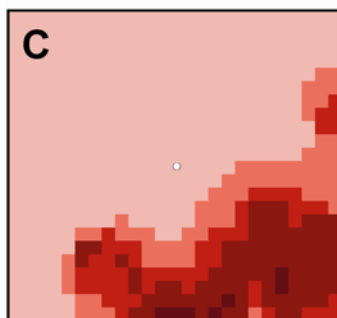
21	-5	-21
0		5
0	0	4

Travelling time using
directional slopes
from center

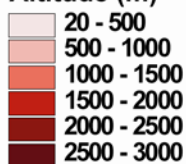
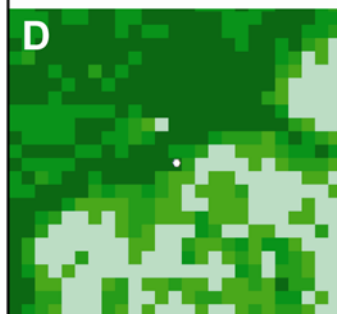
35	10	25
12	0	14
17	12	19

Travelling time using
directional slopes
toward center

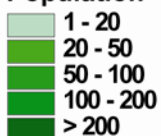
25	14	35
12	0	10
17	12	15

C

Altitude (m)

**D**

Population

**E**