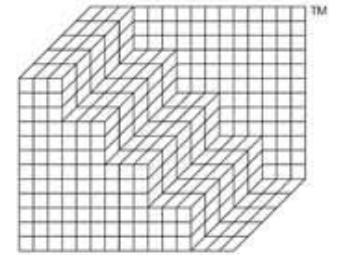


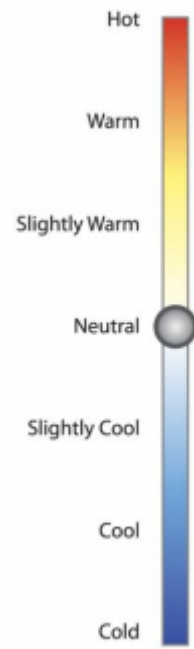
Towards a taxonomy of the thermal environment

T Keeling, D. Clements-Croome, E. Roesch and A. Keelin



Buro Happold





Rad T
Air T
Hum
Air speed

Rad T

hot	hot	hot
cold	neutral	hot
hot	hot	hot
cold	cold	cold
neutral	neutral	neutral
cold	neutral	hot
hot	hot	hot
cold	cold	cold
cold	cold	cold
cold	neutral	hot
hot	hot	hot
cold	cold	cold

hot	hot	hot
cold	neutral	hot
hot	hot	hot
neutral	neutral	neutral
neutral	neutral	neutral
cold	neutral	hot
hot	hot	hot
neutral	neutral	neutral
cold	cold	cold
cold	neutral	hot
hot	hot	hot
neutral	neutral	neutral

hot	hot	hot
cold	neutral	hot
hot	hot	hot
hot	hot	hot
neutral	neutral	neutral
cold	neutral	hot
hot	hot	hot
hot	hot	hot
cold	cold	cold
cold	neutral	hot
hot	hot	hot
hot	hot	hot

hot	hot	hot
cold	neutral	hot
neutral	neutral	neutral
cold	cold	cold
neutral	neutral	neutral
cold	neutral	hot
neutral	neutral	neutral
cold	cold	cold
cold	cold	cold
cold	neutral	hot
cold	neutral	neutral
cold	cold	cold

hot	hot	hot
cold	neutral	hot
neutral	neutral	neutral
neutral	neutral	neutral
neutral	neutral	neutral
cold	neutral	hot
neutral	neutral	neutral
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cold	cold	cold
cold	neutral	hot
neutral	neutral	neutral
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cold	cold	cold
neutral	neutral	neutral
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cold	neutral	hot
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hot	hot	hot
cold	neutral	hot
cold	cold	cold
neutral	neutral	neutral
neutral	neutral	neutral
cold	neutral	hot
cold	cold	cold
neutral	neutral	neutral
cold	cold	cold
cold	neutral	hot
cold	cold	cold
neutral	neutral	neutral

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cold	neutral	hot
cold	cold	cold
hot	hot	hot
neutral	neutral	neutral
cold	neutral	hot
cold	cold	cold
hot	hot	hot
cold	cold	cold
cold	neutral	hot
cold	cold	cold
hot	hot	hot

Humidity

Air speed

Rad T
Air T
Hum
Air speed

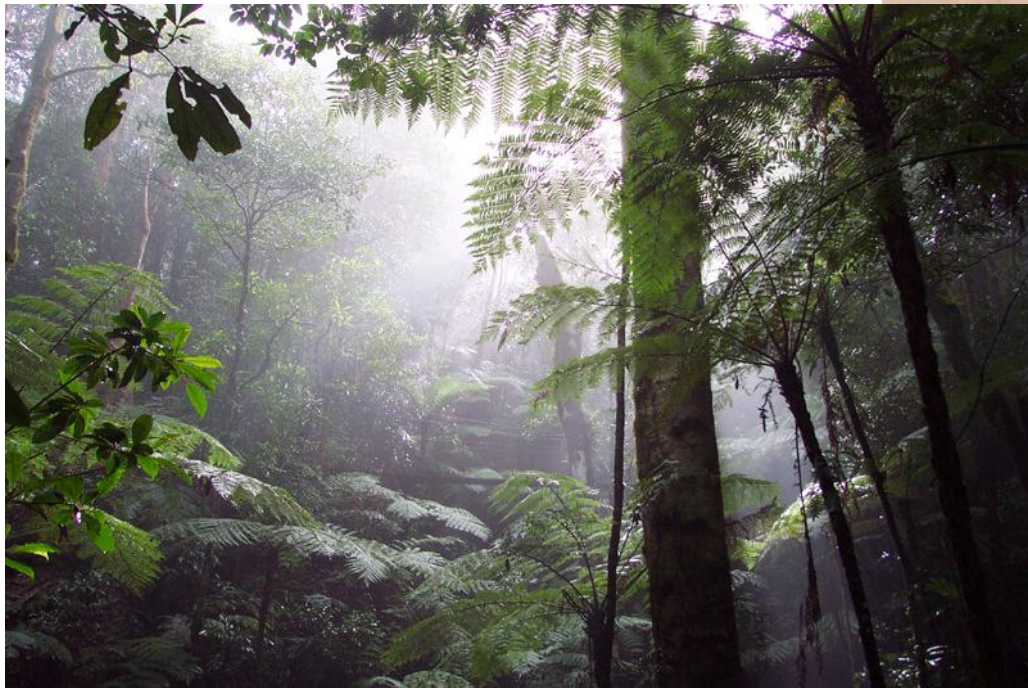
cold	cold	cold	cold	hot	hot	hot	hot	hot
cold	cold	neutral	hot	cold	neutral	hot	neutral	hot
cold	cold	cold	cold	neutral	neutral	neutral	hot	hot
cold	neutral	neutral	neutral	neutral	neutral	neutral	hot	hot

Overall
sensation

-4	-3	-2	-1	0	1	2	3	4
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I will show you three pictures at a time.

Please imagine yourself in the scene and think about how the ambient conditions would make you feel. In particular “how it feels on your skin”.

Please chose one aspect of “how it feels on your skin” to distinguish a single way in which two of the images are alike and different from the third.

Damp

Hot on skin

Cold

Sunny

Warm in a cold place

Fire

Cold and damp

Wet

Fresh

Consistent

Dry

Even

Hot

Dark

Warm in sun

No fire

Cold and crisp

Dry

Suffocating

Hot and cold
simultaneously

Inside

Summer

Humid

Still

Open

Moist

Stuffy

Trees

Sunny

Cool wind

Outside

Winter

Dry

Airy

Shady

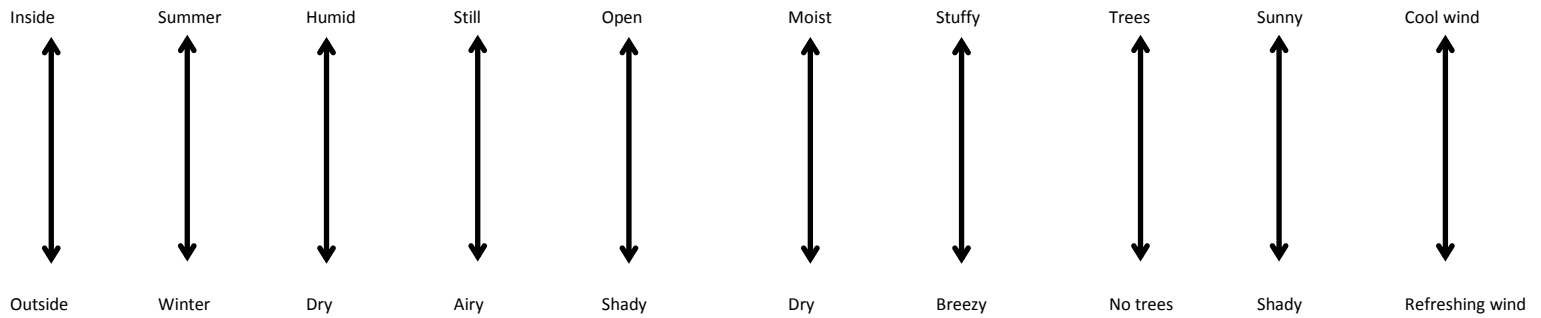
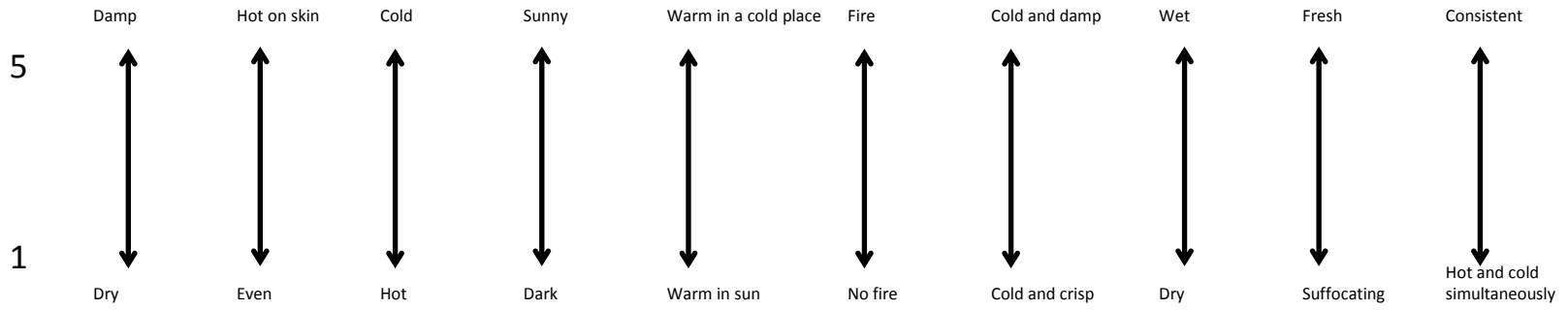
Dry

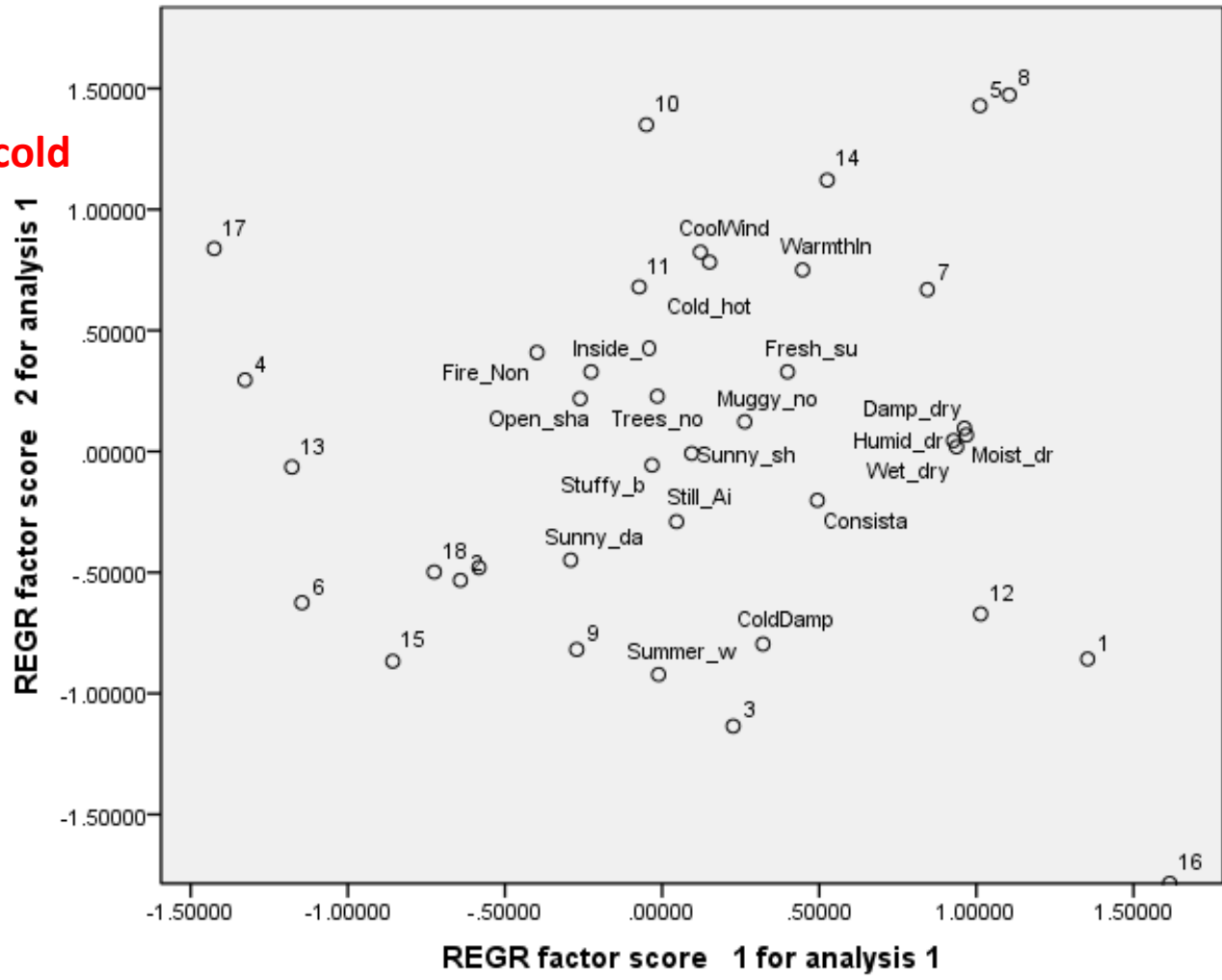
Breezy

No trees

Shady

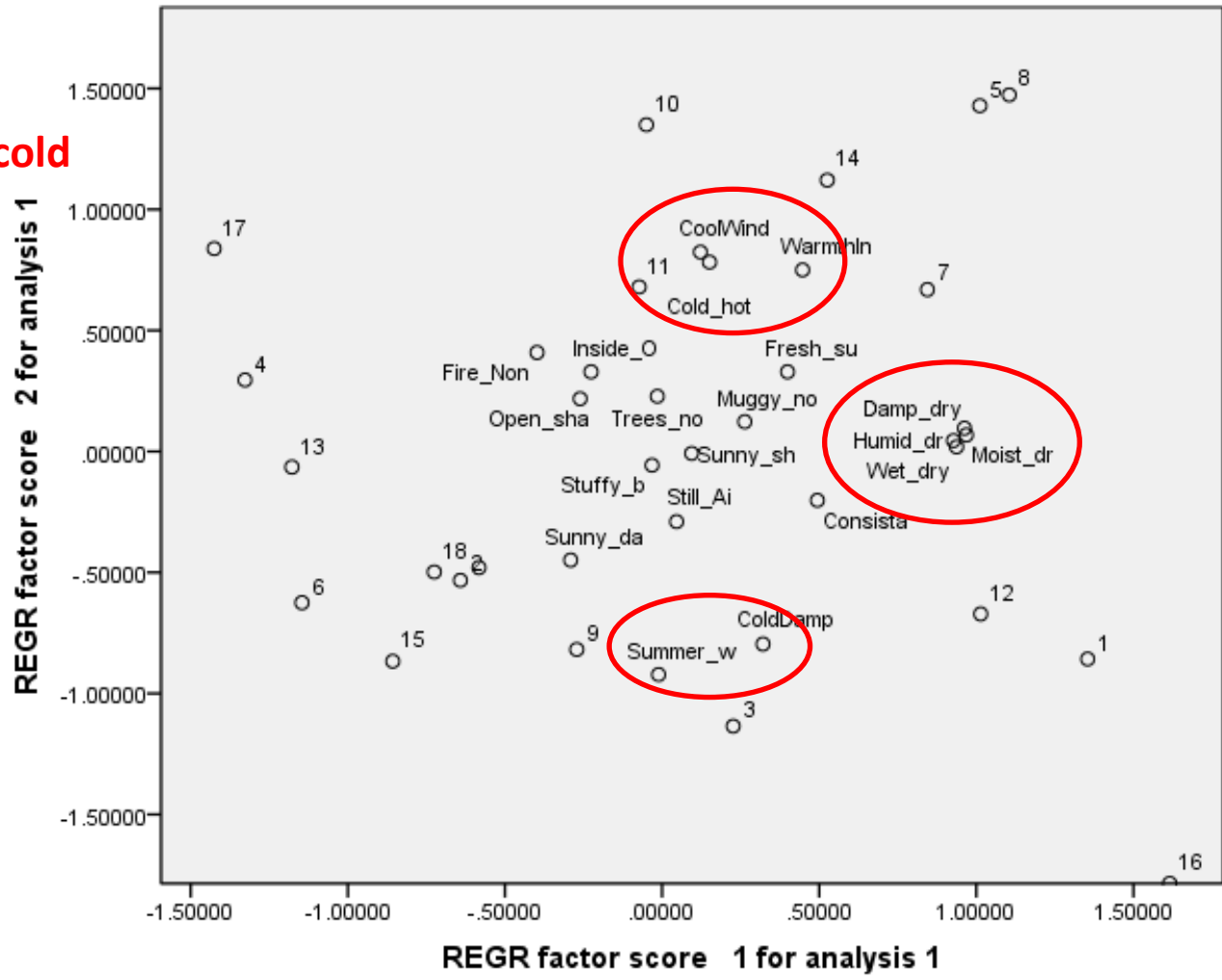
Refreshing wind





Factor 2 ~ hot-cold

Factor 1 ~ damp-dry



Factor 2 ~ hot-cold

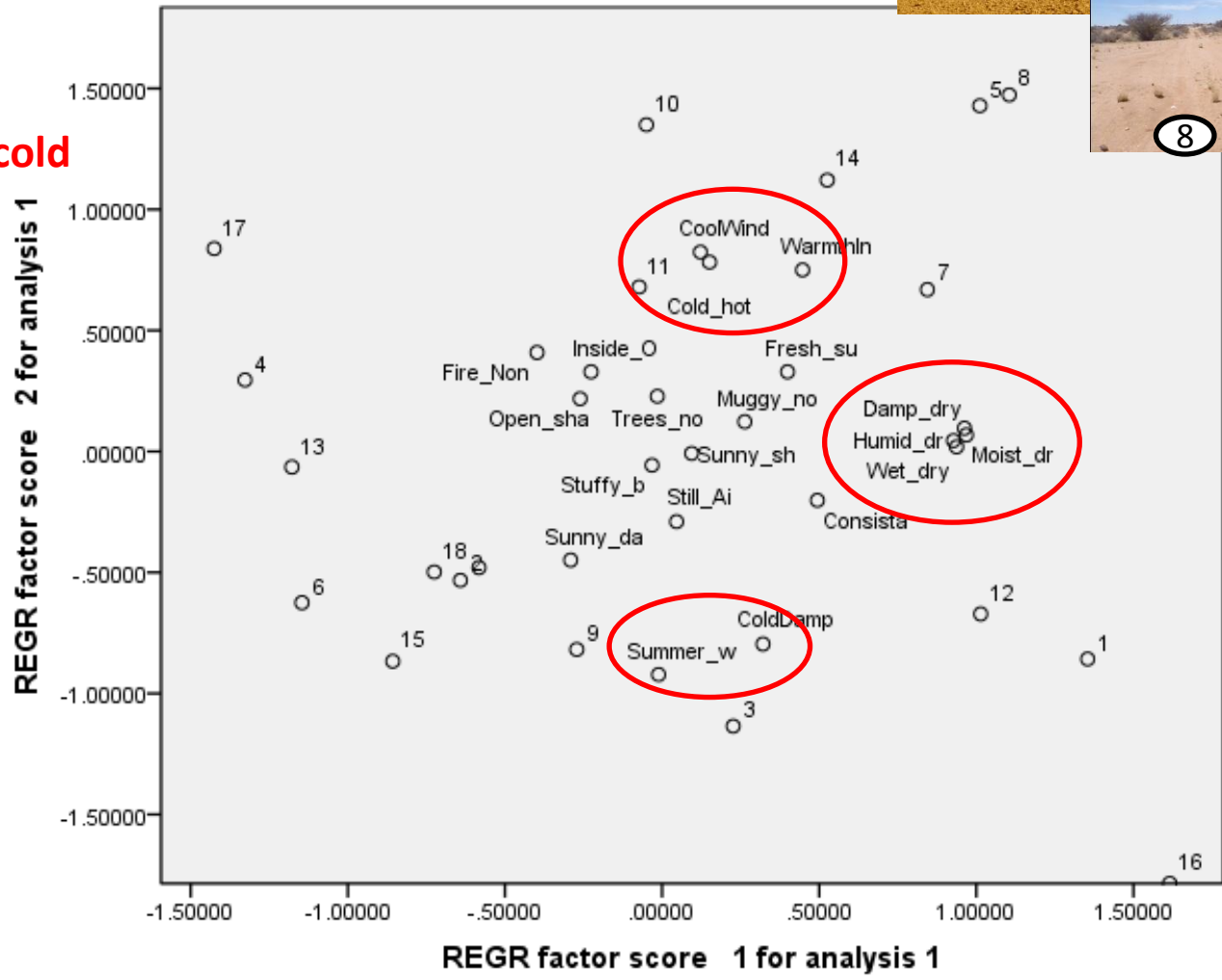
Factor 1 ~ damp-dry



5



8



Factor 2 ~ hot-cold

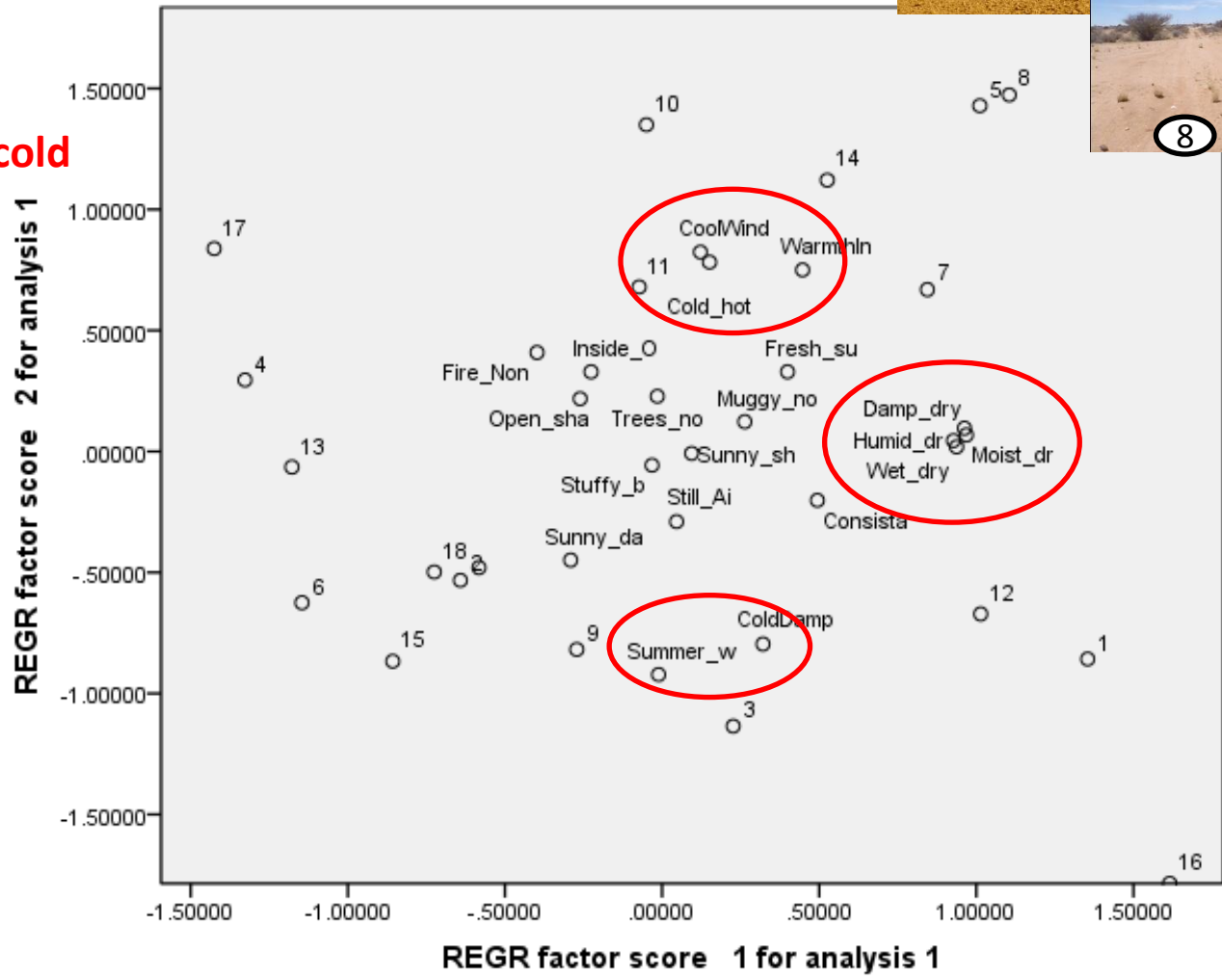
Factor 1 ~ damp-dry



5



8

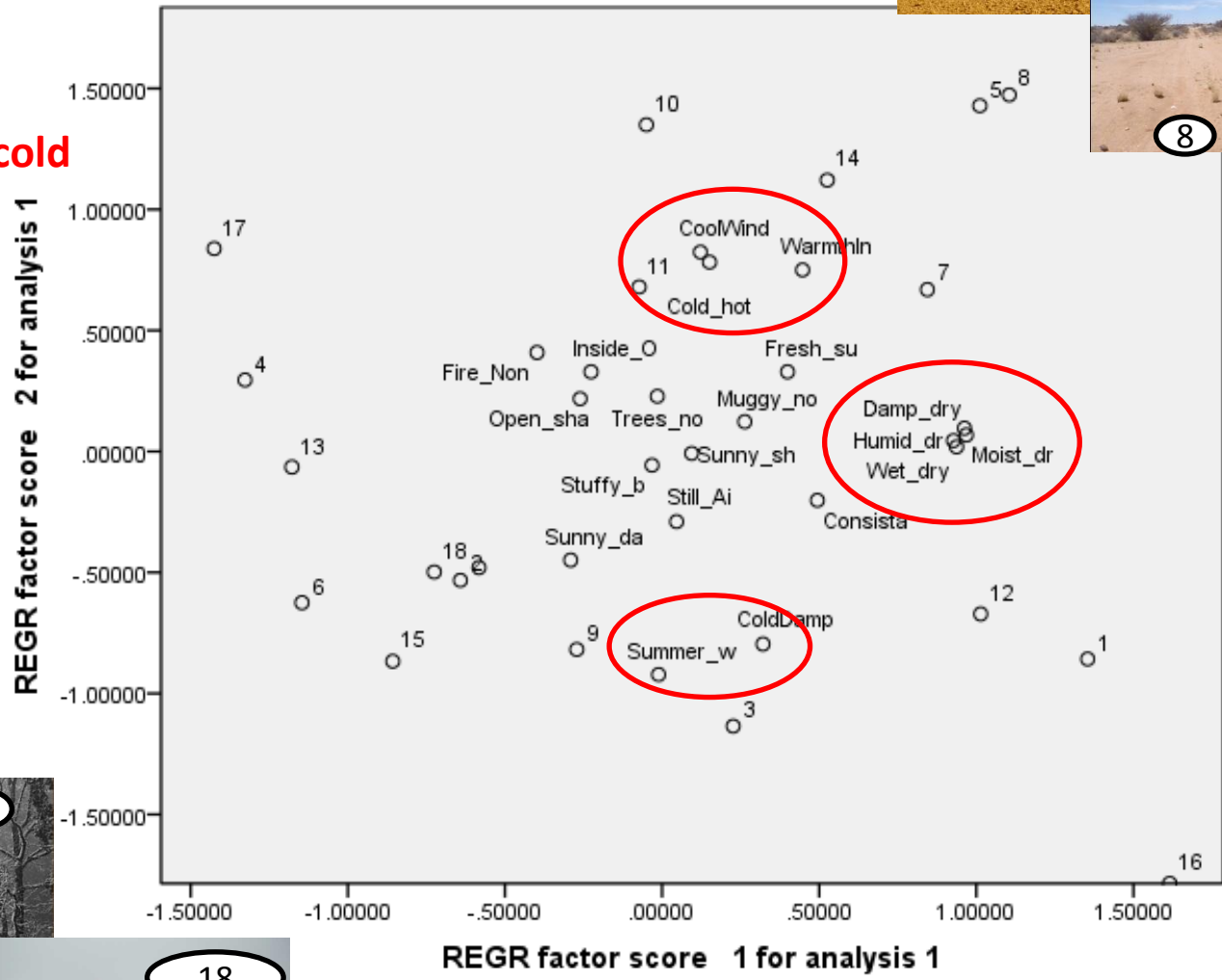


16

Factor 2 ~ hot-cold

Factor 1 ~ damp-dry

Factor 2 ~ hot-cold



5



8



2



18

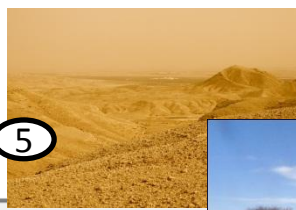


16

Factor 1 ~ damp-dry



17

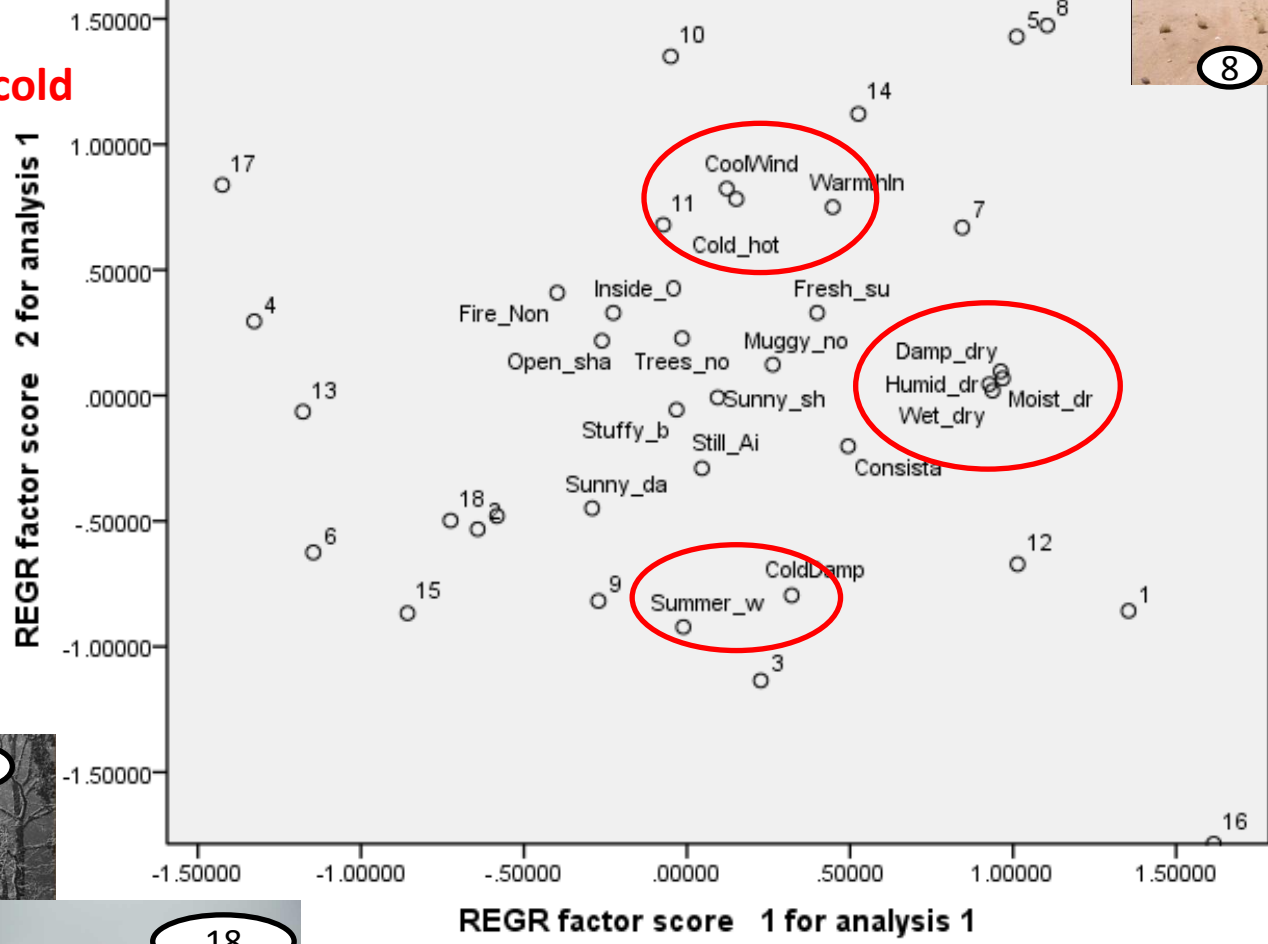


5



8

Factor 2 ~ hot-cold



2



18



16

Factor 1 ~ damp-dry

