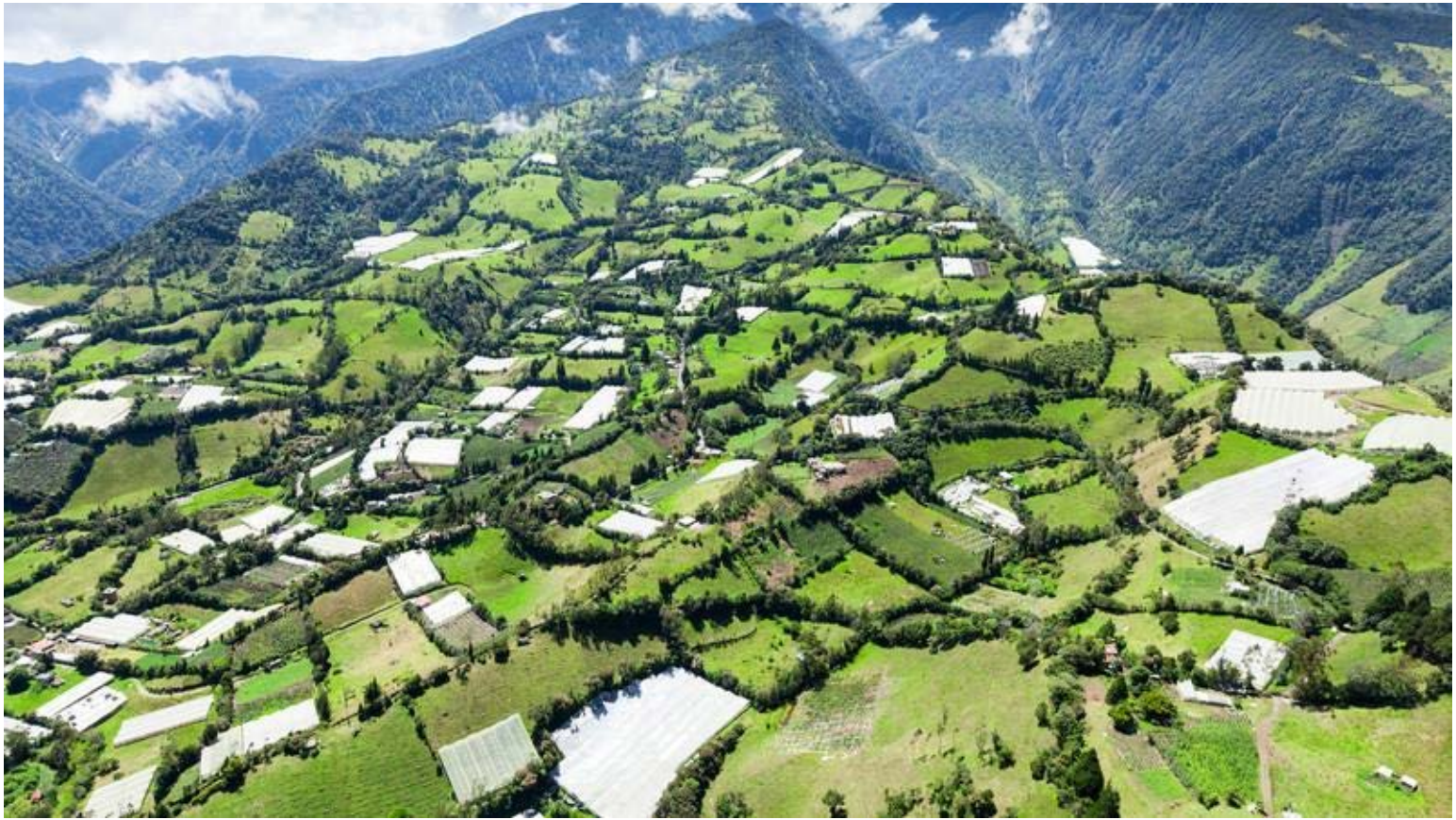
# FOODSHED ANALYSIS: An applied methodology in the Global South

By: Sam Vermeulen, EkoRural

https://groundahead.wordpress.com/2015/07/07/riobamba-chimborazo-the-king-of-the-andes/



https://www.intrepidtravel.com/adventures/ecuador-one-week-guide/

# Global Food Security in an Urbanizing World

By 2050, **2/3** of the world's population will live in urban areas.

In the next 20 years,

of the world's population growth will occur in developing nations.

**80%**

of food for cities comes from domestic sources in rural areas.

The poorest households in the developing world spend

**60-80%**

of their incomes on food.

THE CHICAGO COUNCIL ON GLOBAL AFFAIRS

**@GlobalAgDev | #GlobalAg**
**thechicagocouncil.org/globalag**

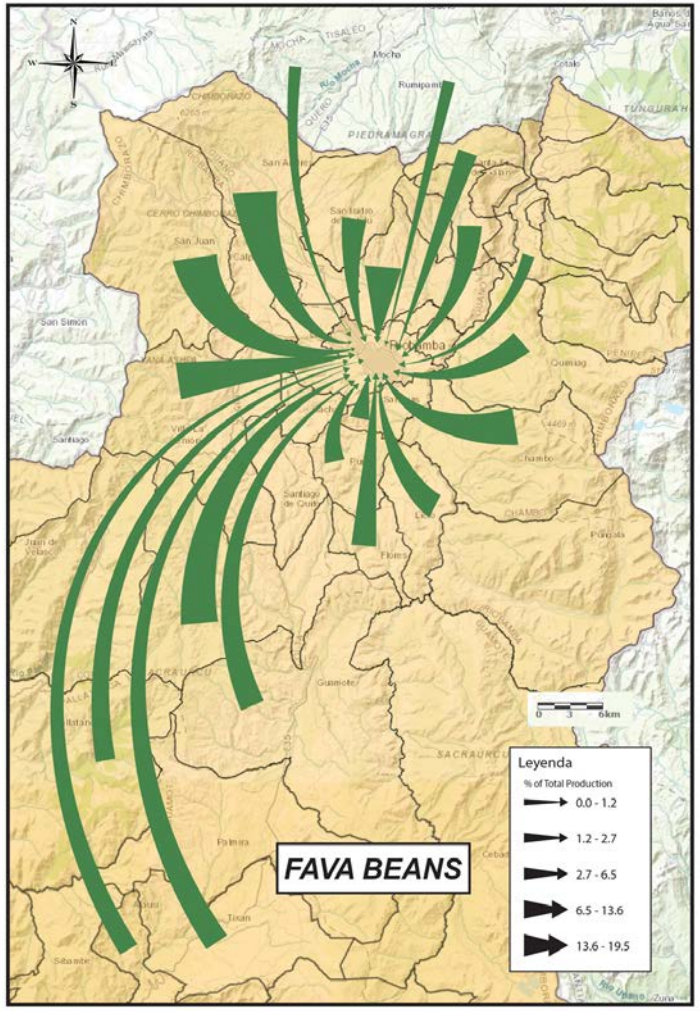
“A foodshed analysis is a method to characterize the local, directional interactions between culture and the production, distribution and marketing of food.”

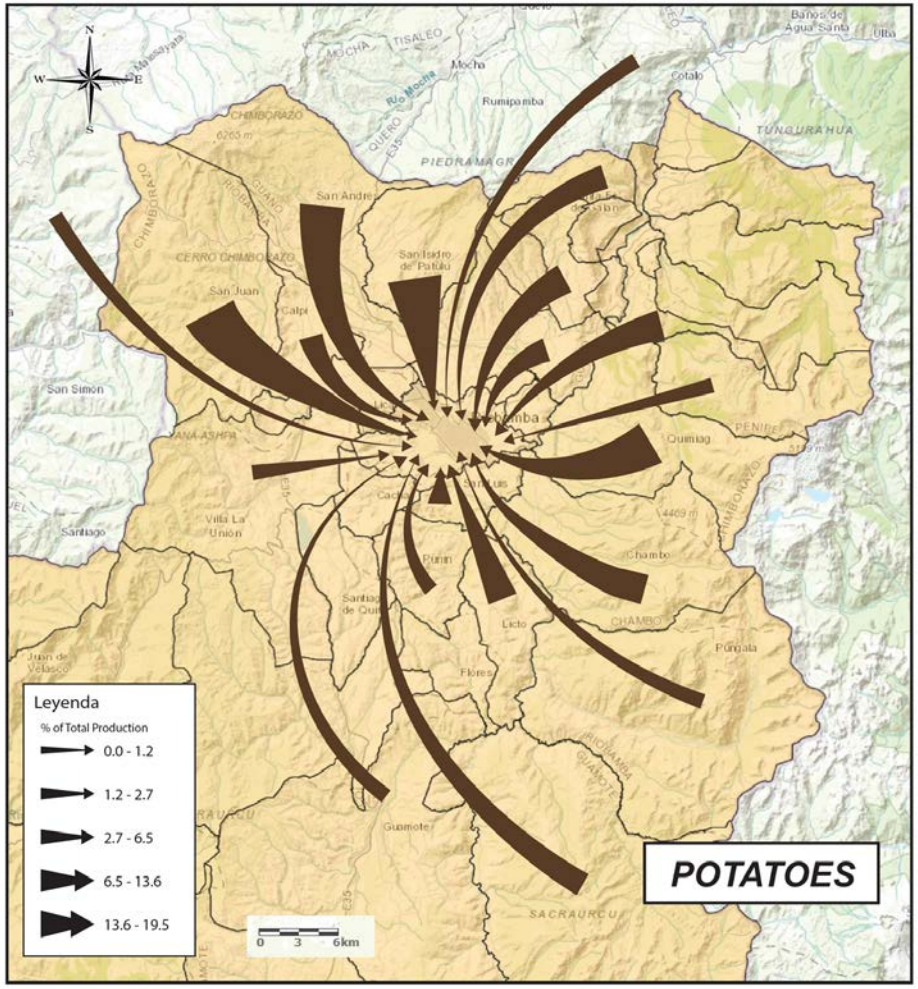
Rural/Production Model
Urban Modelling
Regional
Foodshed

ECUADOR Administrative Divisions
GALAPAGOS ISLANDS
(Archipiélago de Colón)
0 50 100 Kilometers
0 50 100 Miles
GALÁPAGOS
PACIFIC OCEAN
Puerto Baquerizo Moreno
COLOMBIA
PERU
COL.
ECUADOR
0 250 500 Kilometers
0 250 500 Miles
Esmeraldas
ESMERALDAS
Tulcán
CARCHI
IMBABURA
Ibarra
Nueva Loja
SUCUMBÍOS
PICHINCHA
QUITO
SANTO DOMINGO DE LOS TSÁCHILAS
Santo Domingo de los Colorados
NAPO
Puerto Francisco de Orellana
ORELLANA
MANABÍ
COTOPAXI
Latacunga
Tena
Portoviejo
LOS RÍOS
Ambato
TUNGURAHUA
BOLÍVAR
Guaranda
Puyo
Riobamba
PASTAZA
Babahoyo
CHIMBORAZO
GUAYAS
Guayaquil
SANTA ELENA
Santa Elena
Macas
MORONA-SANTIAGO
CAÑAR
Azogues
Golfo de Guayaquil
Cuenca
AZUAY
Machala
EL ORO
ZAMORA-CHINCHIPE
Loja
LOJA
Zamora
International boundary
Province (provincia) boundary
National capital
Province (provincia) capital
Ecuador has 24 provinces (provincias).
*Unresolved or indefinite administrative area.
0 50 100 Kilometers
0 50 100 Miles
Scale 1:4,500,000
TRANSVERSE MERCATOR PROJECTION; CENTRAL MERIDIAN 78°0'0"W
Base 803259AI (G00453) 8-11

Manza

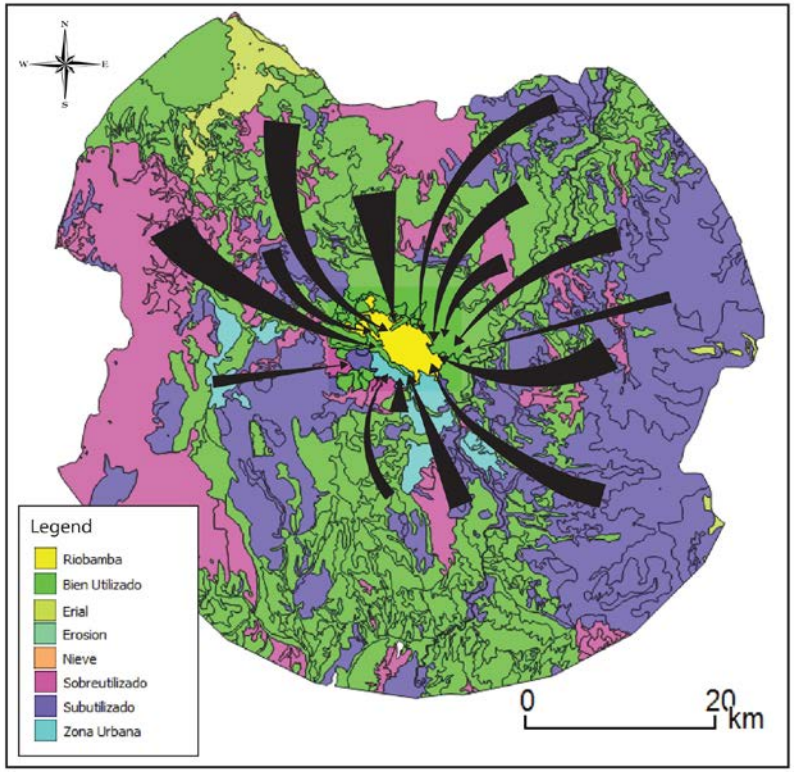
3

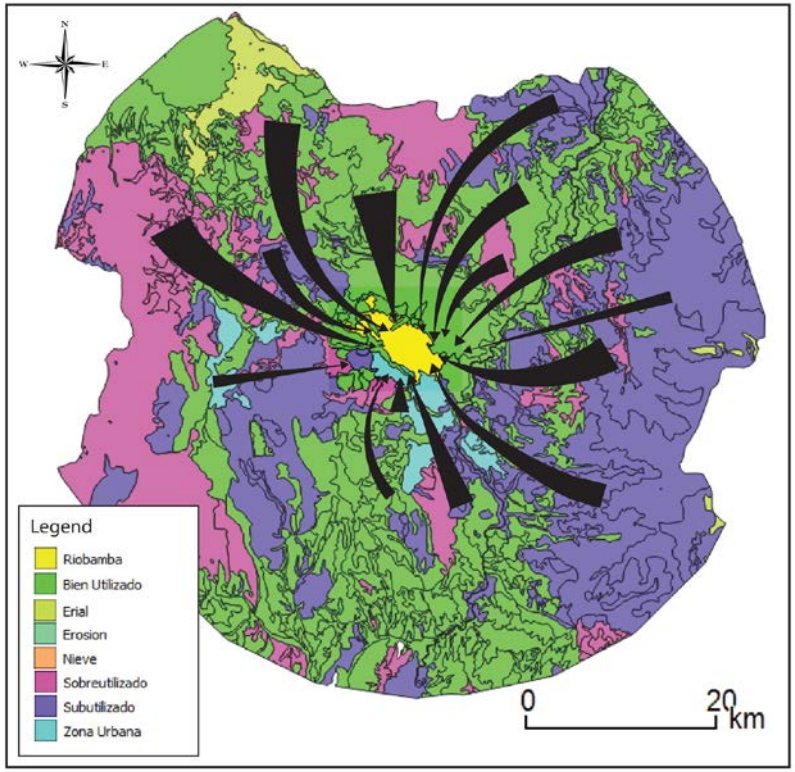

FAVA BEANS
Leyenda
% of Total Production
0.0 - 1.2
1.2 - 2.7
2.7 - 6.5
6.5 - 13.6
13.6 - 19.5
0 3 6km

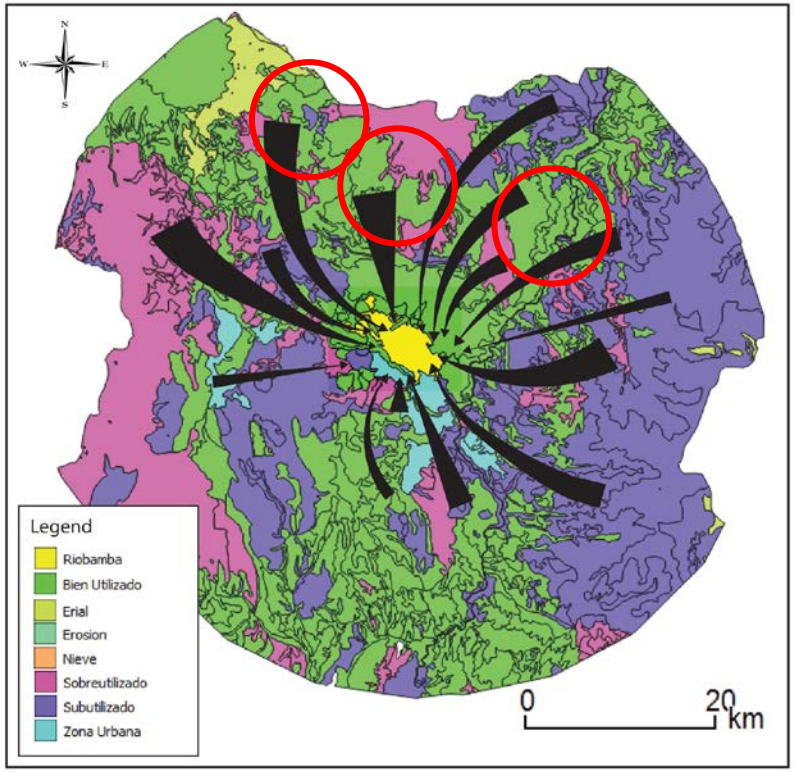

POTATOES
Leyenda
% of Total Production
0.0 - 1.2
1.2 - 2.7
2.7 - 6.5
6.5 - 13.6
13.6 - 19.5
0 3 6km

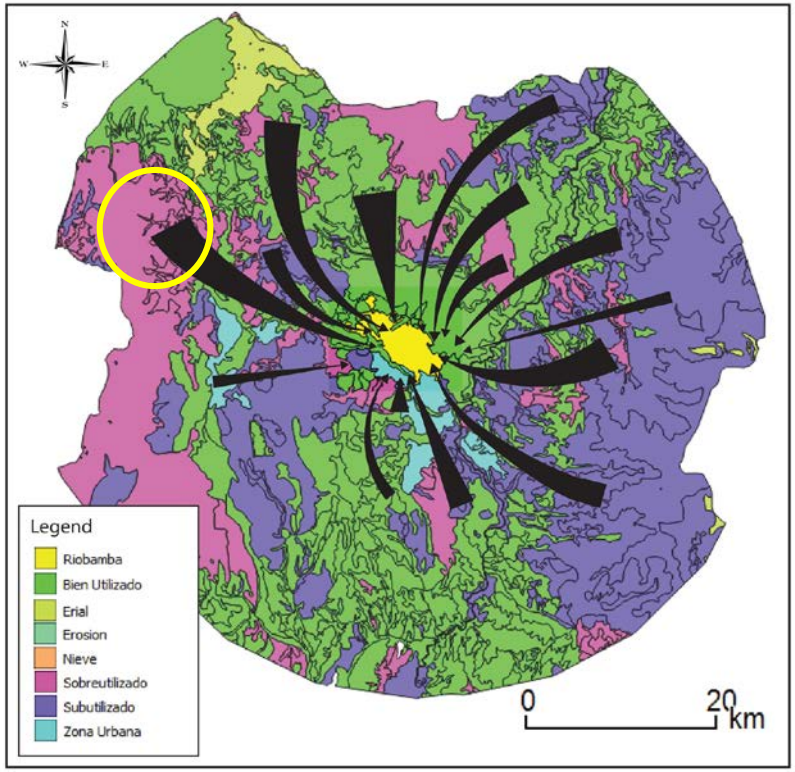
# 80%

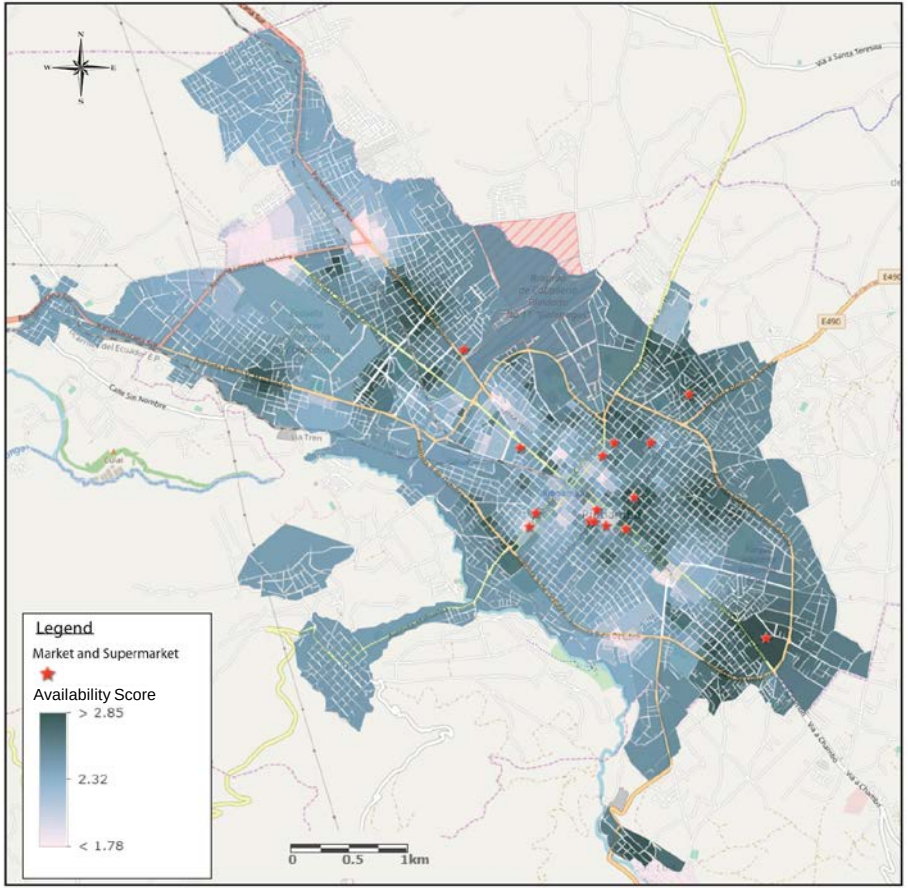
Of the region’s products originate 25 km of the city centre.

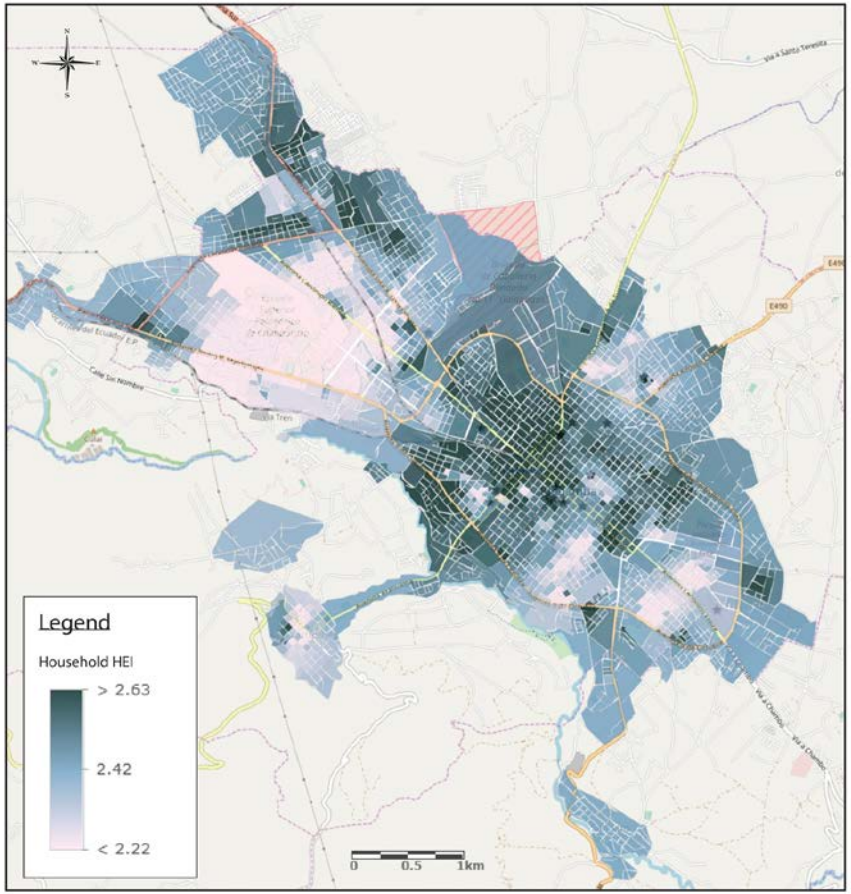

N
W
E
S
Legend
Riobamba
Bien Utilizado
Erial
Erosion
Nieve
Sobreutilizado
Subutilizado
Zona Urbana
0
20
km

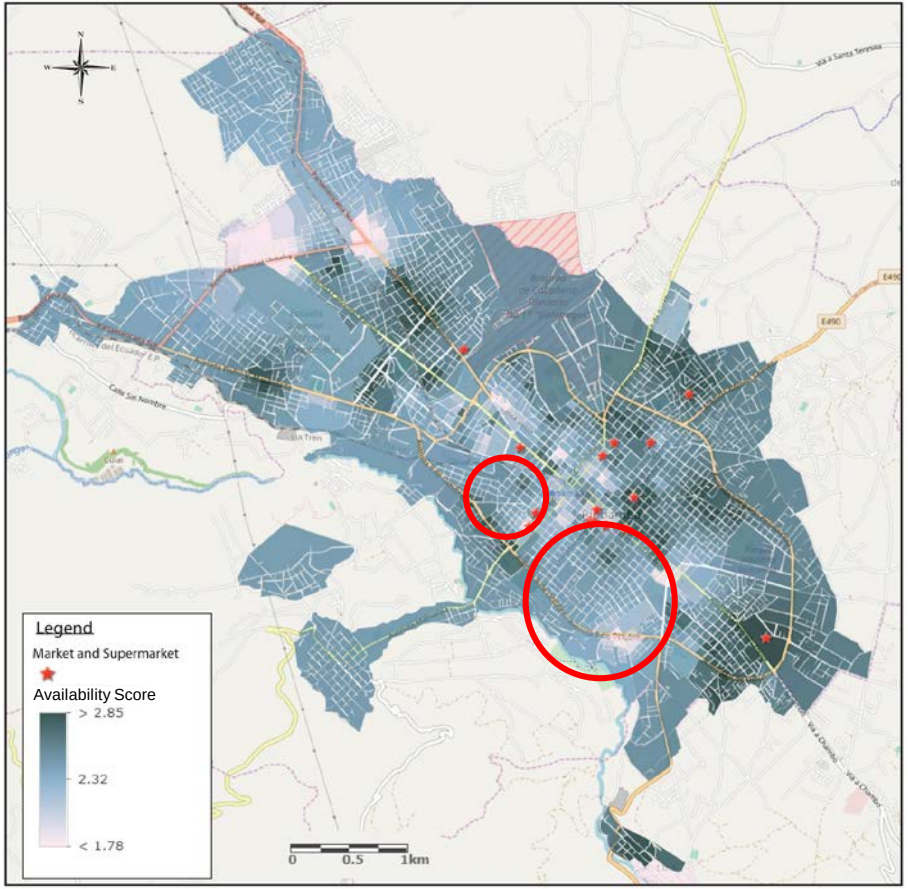

N
W
E
S
Legend
Riobamba
Bien Utilizado
Erial
Erosion
Nieve
Sobreutilizado
Subutilizado
Zona Urbana
0
20
km

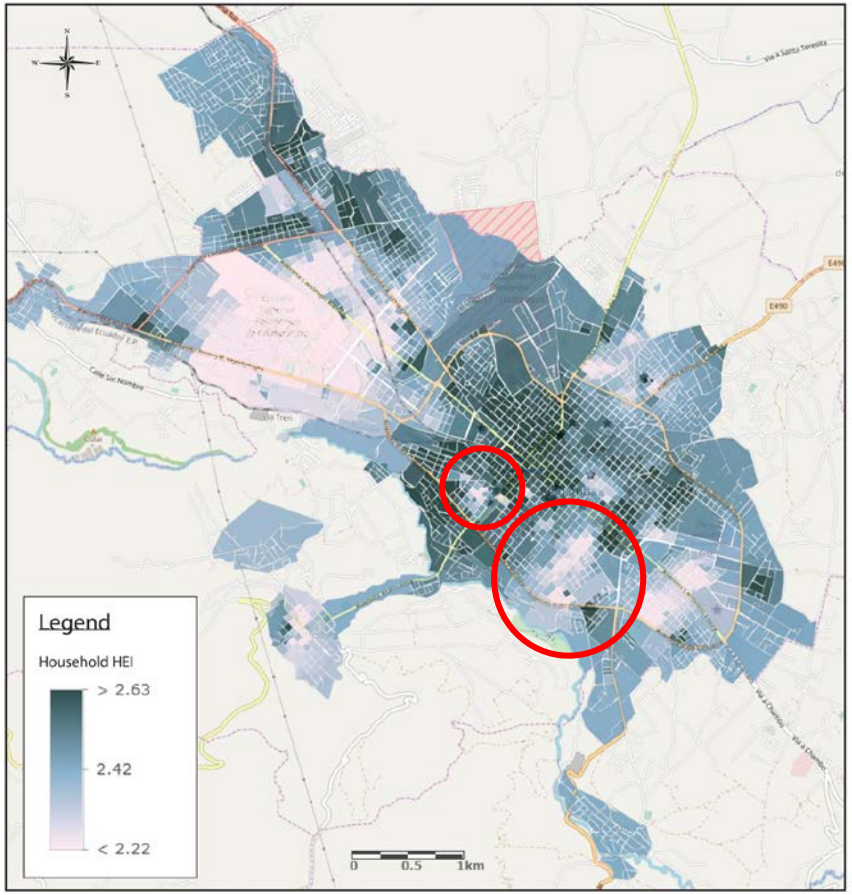

N
W
E
S
Legend
Riobamba
Bien Utilizado
Erial
Erosion
Nieve
Sobreutilizado
Subutilizado
Zona Urbana
0
20
km

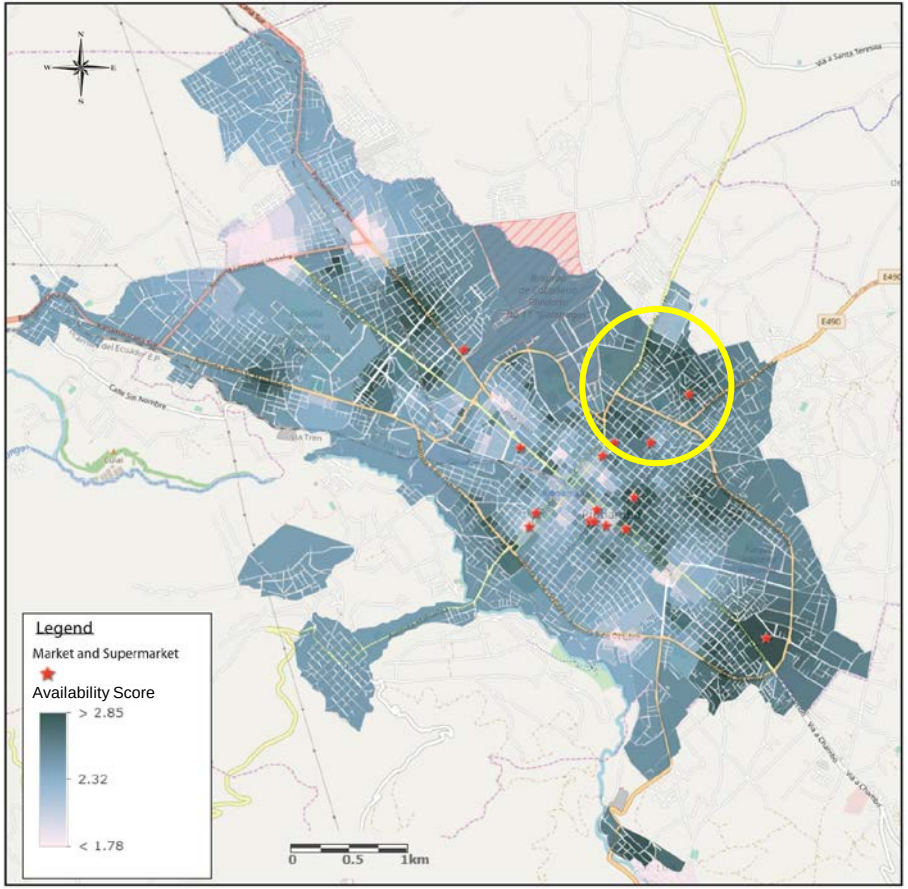

N
W
E
S
Legend
Riobamba
Bien Utilizado
Erial
Erosion
Nieve
Sobreutilizado
Subutilizado
Zona Urbana
0
20
km

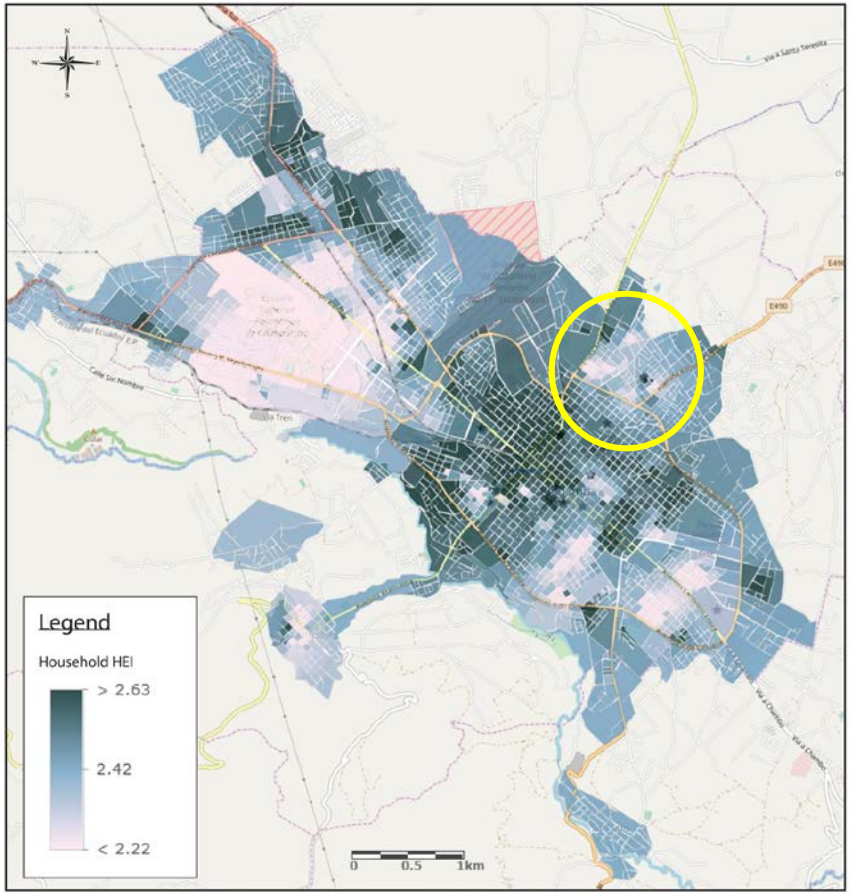

Legend
Market and Supermarket
Availability Score
> 2.85
2.32
< 1.78
0
0.5
1km


Legend
Household HEI
> 2.63
2.42
< 2.22
0
0.5
1km


Legend
Market and Supermarket
Availability Score
> 2.85
2.32
< 1.78
0
0.5
1km


Legend
Household HEI
> 2.63
2.42
< 2.22
0
0.5
1km


Legend
Market and Supermarket
Availability Score
> 2.85
2.32
< 1.78
0
0.5
1km


Legend
Household HEI
> 2.63
2.42
< 2.22
0
0.5
1km

- Protocol to be used in greater Andean Region
- Open-source databases
- Integration of regional consumption models
- Emphasis on GIS capacity building of the organization and its partners

Thanks to:

EkoRural

KPU