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Alternative modes of transportation?

**Alternatives are options.
Having options, means Life Quality.**

Northwest Province

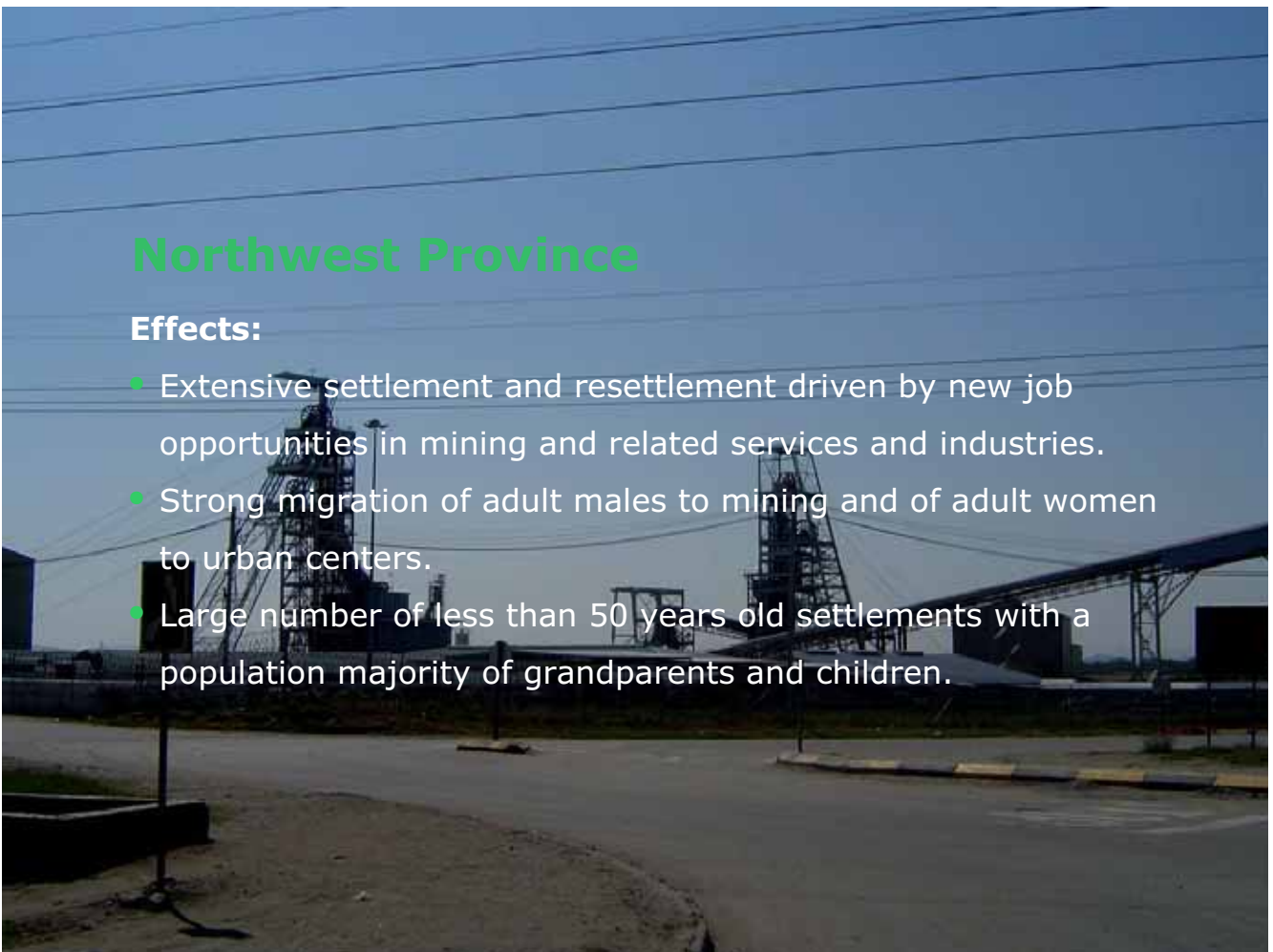
Changing economic profile from farmland to extensive mining.



Northwest Province

Effects:

- Extensive settlement and resettlement driven by new job opportunities in mining and related services and industries.
- Strong migration of adult males to mining and of adult women to urban centers.
- Large number of less than 50 years old settlements with a population majority of grandparents and children.



Northwest Province

Challenges:

- Perceiving the new territory's opportunities:

Attraction of close, urban, cheaper shops and better schools.

- Adapting the existing expectations and mindset to the new context reality.

Northwest Province

MINE

VILLAGE

CITY

The village between mine and city.

Northwest Province

Chances:

- A solid regional and long-range infrastructure (roads, power distribution, communication and other services).

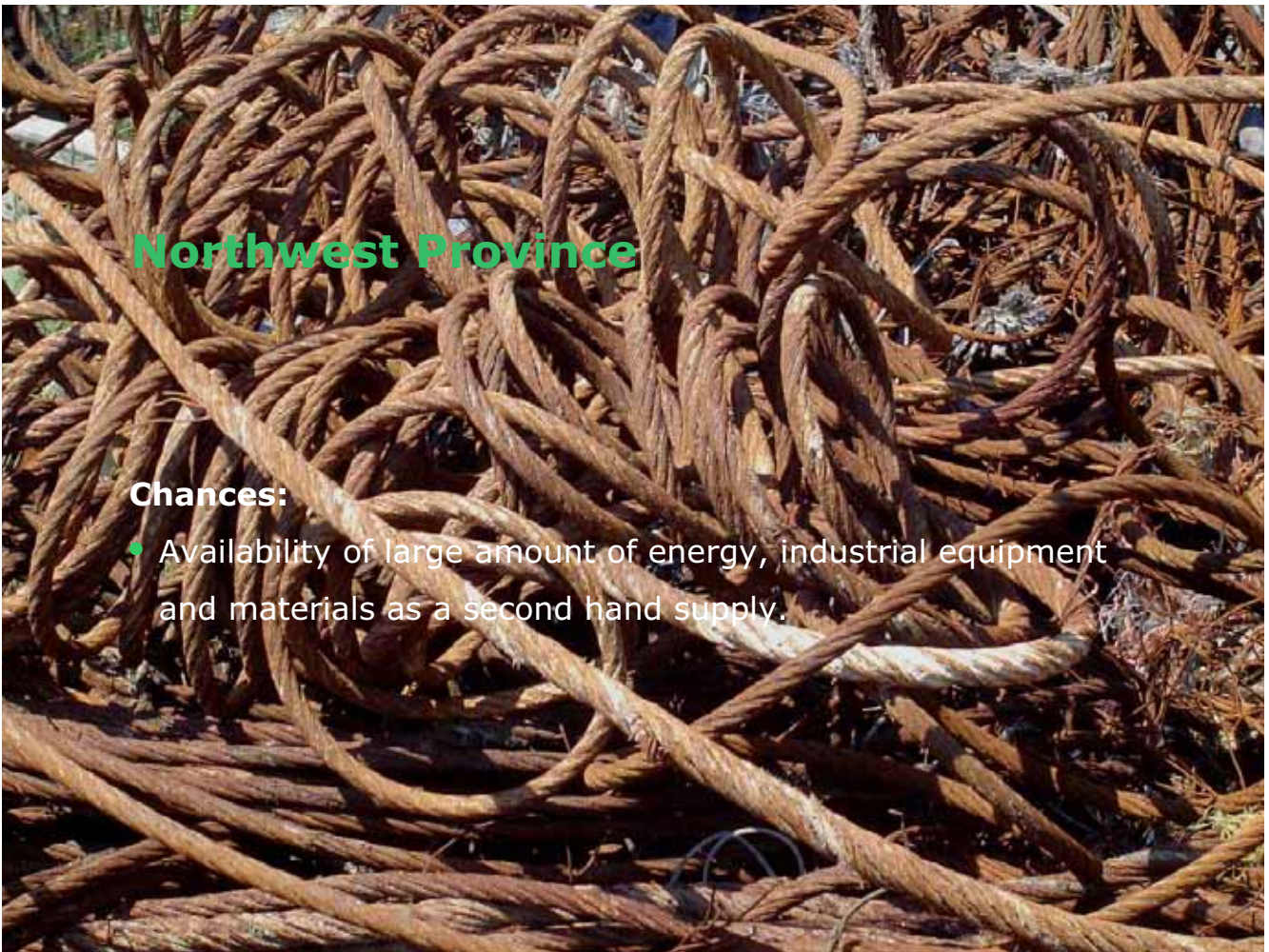


Northwest Province

Chances:

- Availability of large amount of energy, industrial equipment and materials as a second hand supply.





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Chances:

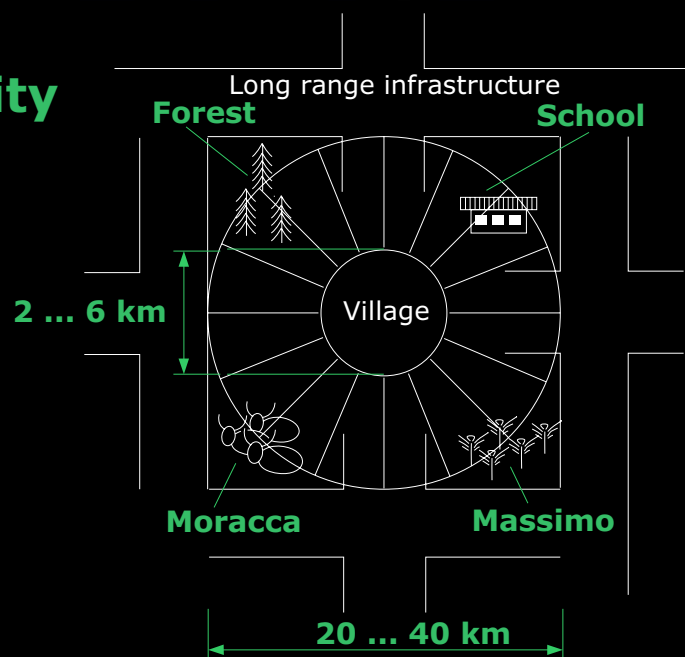
- A consistent social security system.
- High acceptance of changing environment and skills to adapt to it.

Patterns of mobility

A. Long-range
(inter-community network)
more than 20 km

B. Mid-range
(peri-community network)
5...20 km

C. Short-range
(intra-community)
less than 5 km

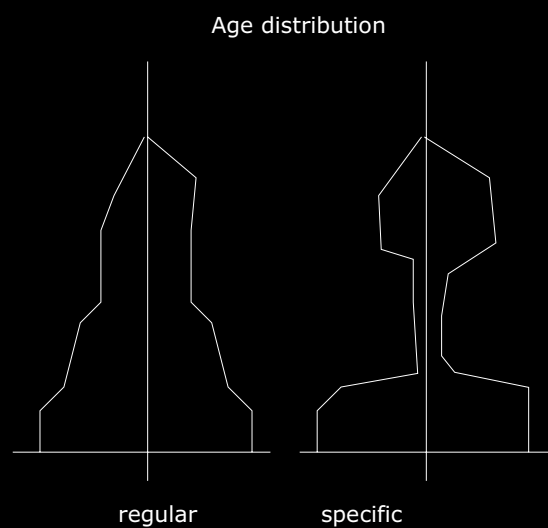


Rural population profile

Inhabitant groups	transportation to
Children	School, community
Teenagers	School, moracca, community, town
Grandparents	Forest, massimo, community
Adults	(In town)

Rural population profile

- A specific age distribution profile of the effective rural population.



A photograph of a rural road scene under a blue sky with white clouds. A silver sedan is driving on the road. Two people are standing on the left side of the road. The road is flanked by green fields and utility poles. The text 'Rural mobility' is overlaid in green.

Rural mobility

A. Long-range features

- Low frequency
- Endorsed by the mid-range features



Covered by the existing regional and national road and transportation systems.

The logo for 'rumos' is centered on a black background. It features the word 'rumos' in a bold, white, lowercase sans-serif font. Above and below the black background are horizontal bars: a green bar at the top, a thin white bar, a thick black bar, a thin white bar, and a green bar at the bottom.

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integrated Rural Mobility System

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integrated Rural Mobility System

A comprehensive approach of
mid- and short-range rural mobility

Rural mobility

B. Mid-range mobility

- High frequency (Daily 2 days/week)
- High density (Large amount of persons or goods)
- Stable itineraries
- Specific loads to defined goals



Covered now by **non adequate** long range or short range devices

rumos - Integrated Rural Mobility System

- Need for a mid range network
- Dedicated mobility ways
- Compatibility between mid and short range sub systems
- Non prescriptive design
- Low impact on territory
- Using local supply
- Involving the user

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B. Mid-range (20 ... 40 km)

Itinerary	Frequency	Load type
Settlement - School	Daily 2x	Kids, Teenagers
Settlement - Forest	2...3 times/week	Wood & kids
Settlement - Massimo	2...3 times/week	Corn, veget., potatoes, cabbage
Settlement - Moracca	Occasional	Individuals
Settlement - Settlement	Occasional	Individuals

Requires a **linear infrastructure** (Cableway, Rail, Pathway)

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THERE IS AN OBVIOUS NEED FOR:

a. MID RANGE : 10- 20 km LINEAR
TRANSPORTATION WITH CONSISITENT
ITINERARIES

b. A VARIETY OF SHORT RANGE PLATFORMS

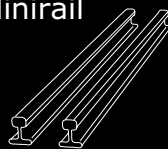
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B. Mid-range (10 ... 20 km)

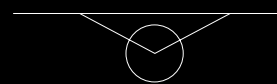
Cableway



Minirail

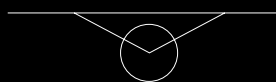


System link platform



C. Short-range (less than 5 km)

System link platform



Monostick, wheeled bag, wheelbarrow, etc...



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C. Short-range (less than 5 km)

Goal	Range	Load type	Load
Waterwell - Home	0,2 ... 1 km	Water (container)	15 ... 50 liter
Community exchange (among inhabitants)	0,2 ... 3 km		
Store - Home	0,2 ... 3 km	Bags with food	1 ... 50 kg
Home - Tribal Office	0,2 ... 3 km	Persons	30 ... 70 kg

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B. Mid-range (10 ... 20 km)

MINIRAIL
CABLE WAY
SYTEM LINK PLATFORM

C. Short-range (less than 5 km)

SYTEM LINK PLATFORM
"WHEEL BARROWS"
BAG CARRIER