

A point in time

Potential Trends in Nehoiu



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Friendly couple

- Elderly couple living a distance up from the river
- Subsidence farmers
- Affected by: landslides, rock-fall, bears, flood (disconnected), sensitive to climate



Friendly couple

Changes in climate:

Increased drought,
Increase frequency
and severity of
thunderstorms
Shift of seasons –
only summer and
winter

Less hay and
poorer crops –
plum harvest
reduced from
annual to every
couple years



Changes in : Livelihood

Have not changed
their practices
Someone is always
left behind to
manage the land
Children have
moved away
although send food
to children

Deforestation:

Concerned
Protection from
floods
Knew about
cleaning the river
bed but not done

Modern family

- A couple with a young daughter
- Appeared better off
- Knew a lot about characteristics of the catchments



Modern Family



Changes in climate:

Changes, but not so bad as in other regions

Not concerned about drought. Dry for a couple years and then it is okay

Changes in :

Livelihood

Until 90s had jobs and security

Now unemployment and no hope

Have to rely on land more

Deforestation:

Before was worse

Do not see it as a cause of the flood

Store owner

- They have a shop
- Also have garden and hay fields
- Well connected in the community



Store owner



Changes in :

Livelihood

Owned store, noted increase in unemployment in the area.

Area was more populated when she was younger.

Children generally moved away – all over Europe

Changes in climate:

In last 30 years, a lot more dry periods, and more intense thunderstorms

Deforestation:

One of the reasons for the flood, but defenses are now good enough

Older gentleman

- 81 years old (retired)
- Double property (one 100km away)
- Son lives in Brasov
- Sheep, cows



Older gentleman



Changes in climate:

Drier

More thunderstorms

Amount of snow
exceptional

Changes in Livelihood:

Suffered from flood

Wants to sell lowlands

Deforestation:

When he was younger, more forests. Blames floods on deforestation as didn't occur before

He cuts down trees for personal use

Summary

- Climate:
 - Increased drought
 - Possible – increase in temperature with CLAVIER project to increase evaporation
 - More thunderstorms and increase in intensity
 - Possible – indication from project that this is possible
- Past trend are not able to be detected with record that we have



Summary



- Deforestation:
 - Differs, but generally a problem
 - 5 % deforestation (official data – plausible)
- Livelihood:
 - Population moving out, 7 % decrease
 - Rely on the land (more), 8 % increase in agricultural land (e.g. 23 % increase in pastures)
 - Revival of orchards (50 % increase)
 - No large scale changes – subtle land use changes
 - Urbanization – hard to recognize (+no data)

2004 Flood

Older Gentleman

No warning
House was
damages – received
no money even
though insured
Lost sheep (saved
the cow instead)



Modern Family

Rain was only 2 hours,
so no warning
Problem for people in
the valley
Channel not cleaned.
Wanted a warning
system

Store Owner

No warning
Shop flooded
Garden inundated
Raining for a week,
but no one thought
the river would get
that high

Thank you for your attention

