

# Historical Dynamics of Eroded Areas in the Austro- Ecuadoriano

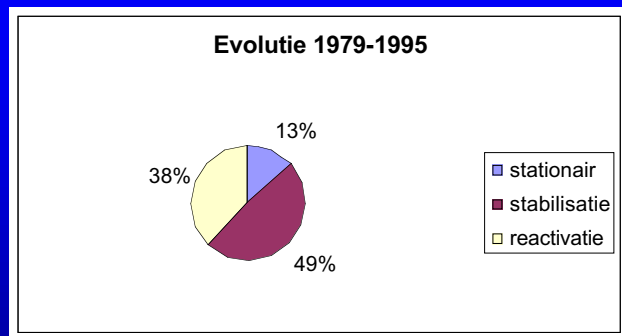
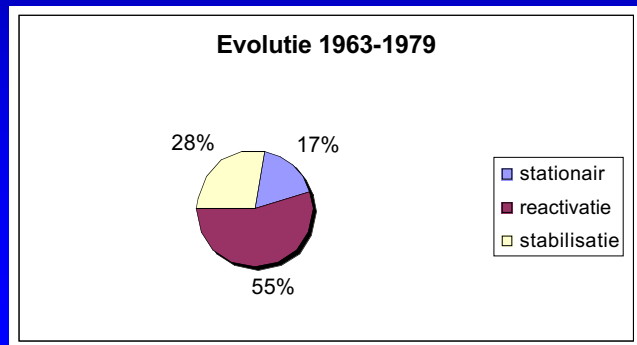
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# What did we do?

- Delineation of eroded areas on aerial images of 1962, 1979, and 1995 using a stereoscope for 3-D viewing
- Scanning, rectification, and digitizing on screen in ILWIS 3.2.
- Overlay of the images (1962 – 1979 – 1995) to analyze the changes in extent of eroded areas and in intensity of erosion
- Field-work



# What did we find out?



- Between 1963 and 1979:
  - eroded area \* 2
  - activation of erosion
- Between 1979 and 1995:
  - decrease in eroded areas
  - increase in vegetation

# What did I learn?

- Time
- Change data → be critical !
- Useful research with cheap data and technology, important in developing countries

A photograph of a person with blonde hair, wearing a red jacket and dark pants, standing on a rocky mountain ridge. The person is looking towards the right. The background shows a vast, mountainous landscape with green vegetation and a valley below. The text 'More information?' is overlaid in blue at the top of the image.

## More information?

- Ph.D. thesis of Veerle Vanacker:  
*Geomorphologic response to short-term environmental change in a tropical mountainous catchment, Paute river basin – Ecuador*
- Ask me