

# ***FOREST ROAD IN SENSITIVE REGIONS***

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# Content

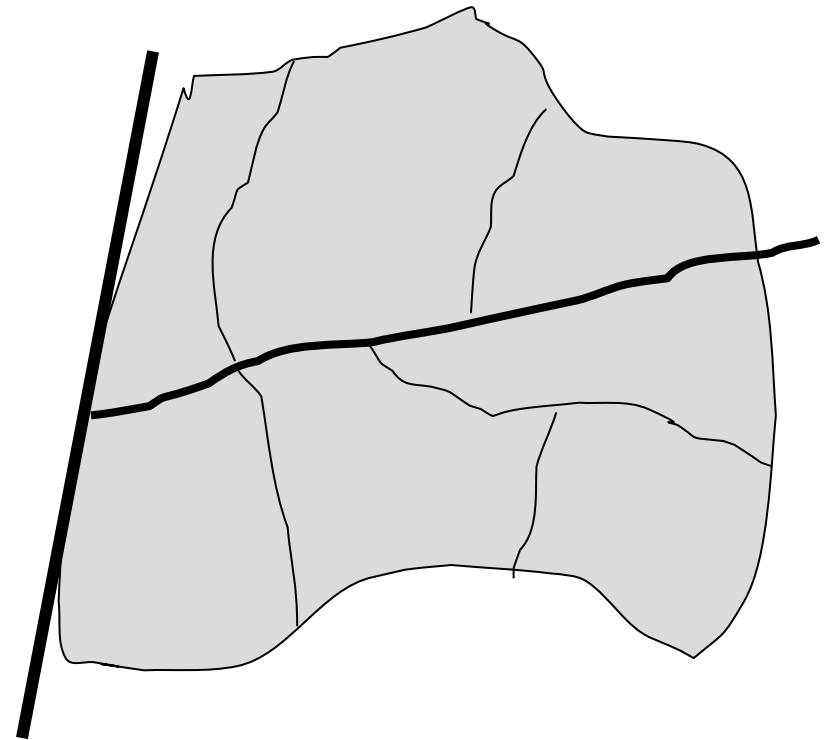
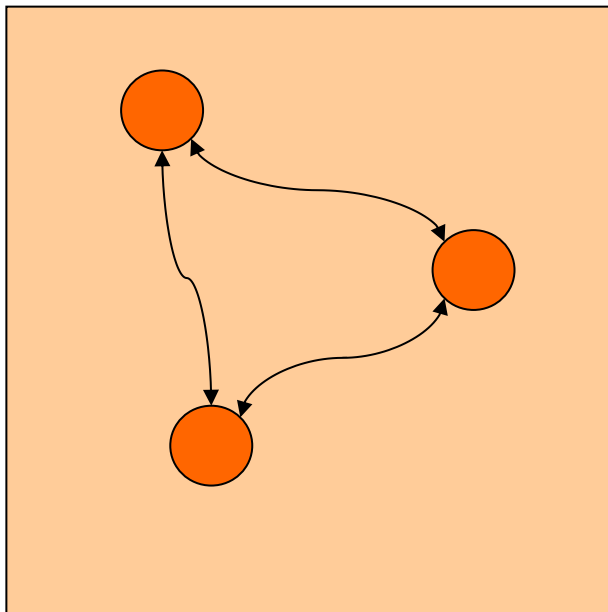


- **WHY FOREST ROADS**
- **STATISTICS**
- **GLOBAL CHANGE**
- **ROAD CONSTRUCTION IN STEEP TERRAIN**

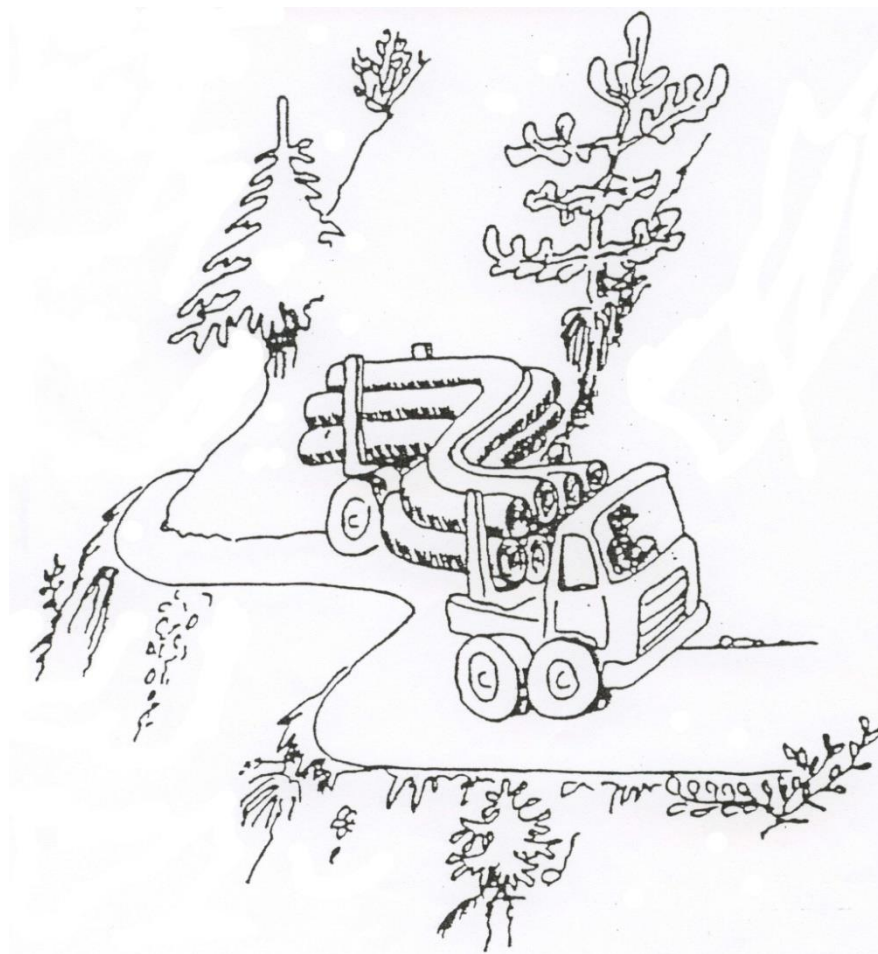
# PULC ROADS VS. FOREST ROADS



POINT TO POINT  $\Leftrightarrow$  AREA



# CLOSE TO NATURE



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**4TH SIMPOSIO LATINO-AMERICANO SOBRE MANEJO FLORESTAL**

**NOVEMBER 26-28 SANTA MARIA - RS - BRASIL**



# FOREST ROADS A SERIOUS IMPACT TO THE ENVIRONMENT



4TH SIMPOSIO LATINO-AMERICANO SOBRE MANEJO FLORESTAL

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# LANDING BASED LAYOUT



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# URNS

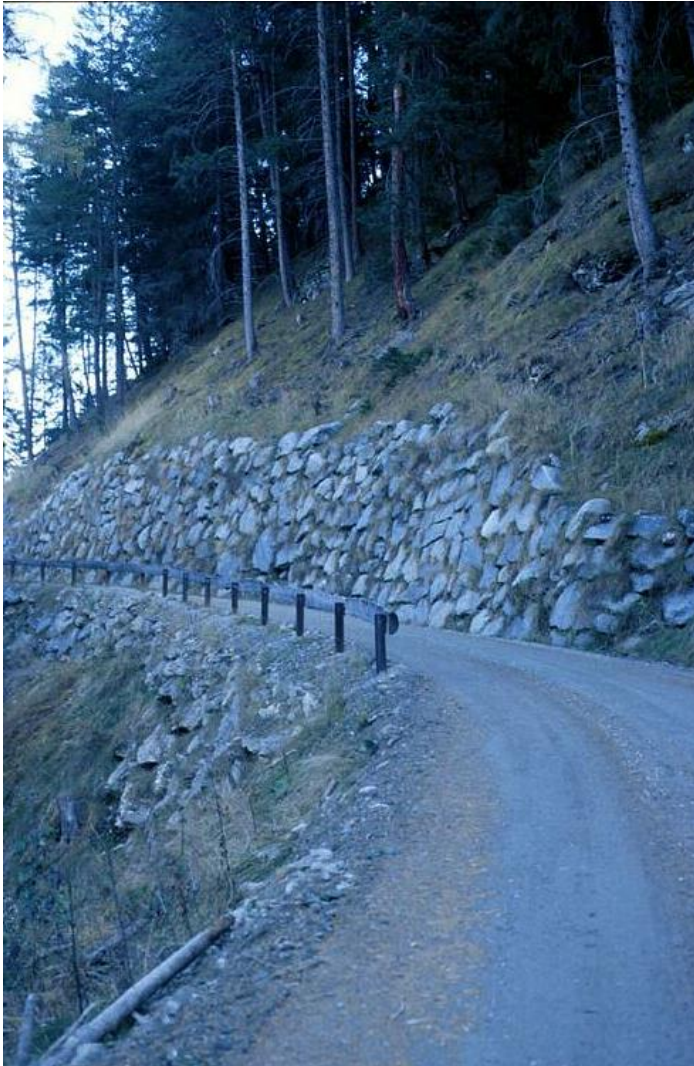


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# FOREST ROAD CONSTRUCTION



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# EXTREM SITUATIONS



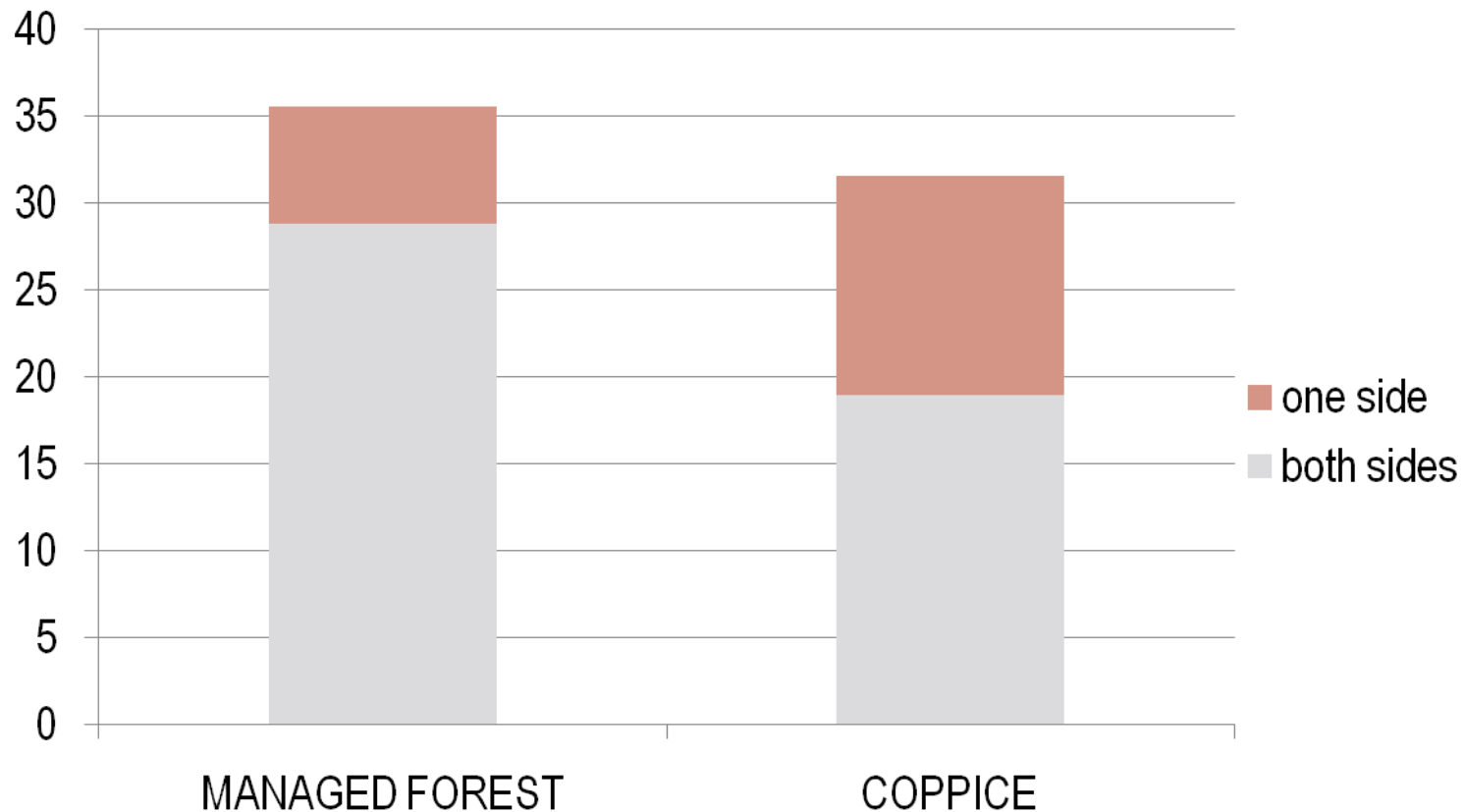
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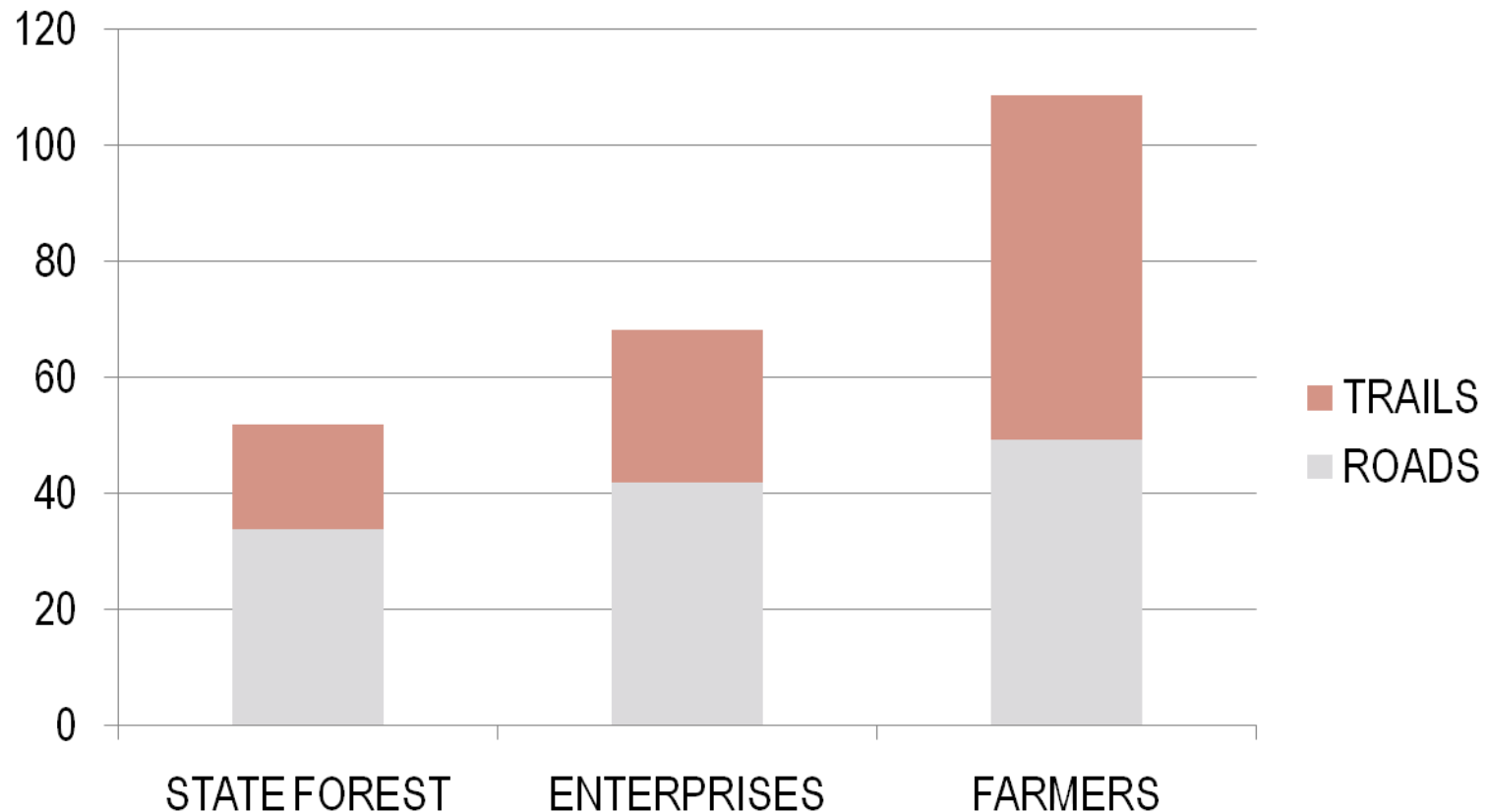
# Road Density in Austrian Forests [meters/ha]

(National Inventory 1992/96)



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(National Inventory 1992/96)

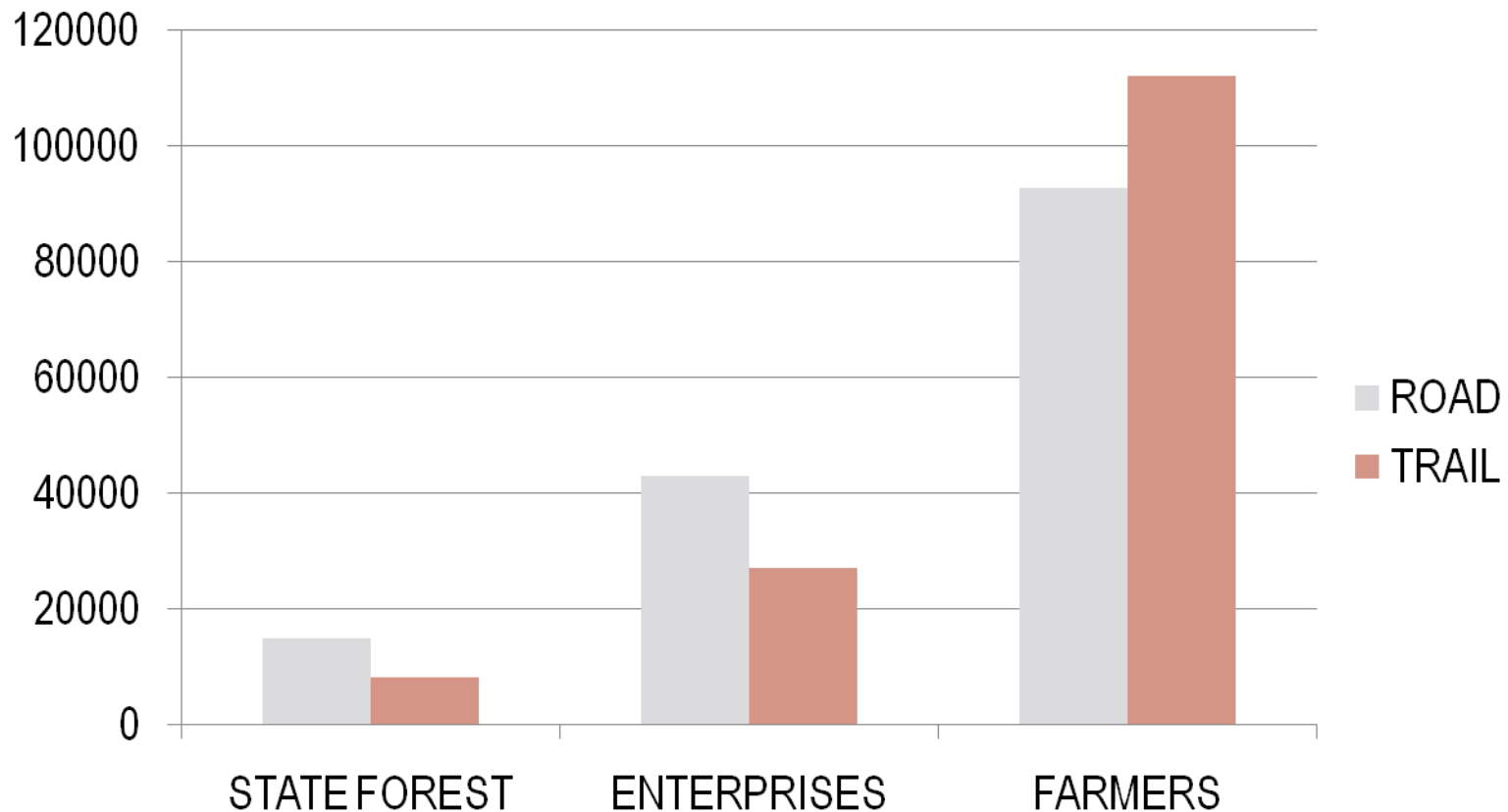


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# Road length in Austrian Forests (by Ownership) (National Inventory 1992/96)

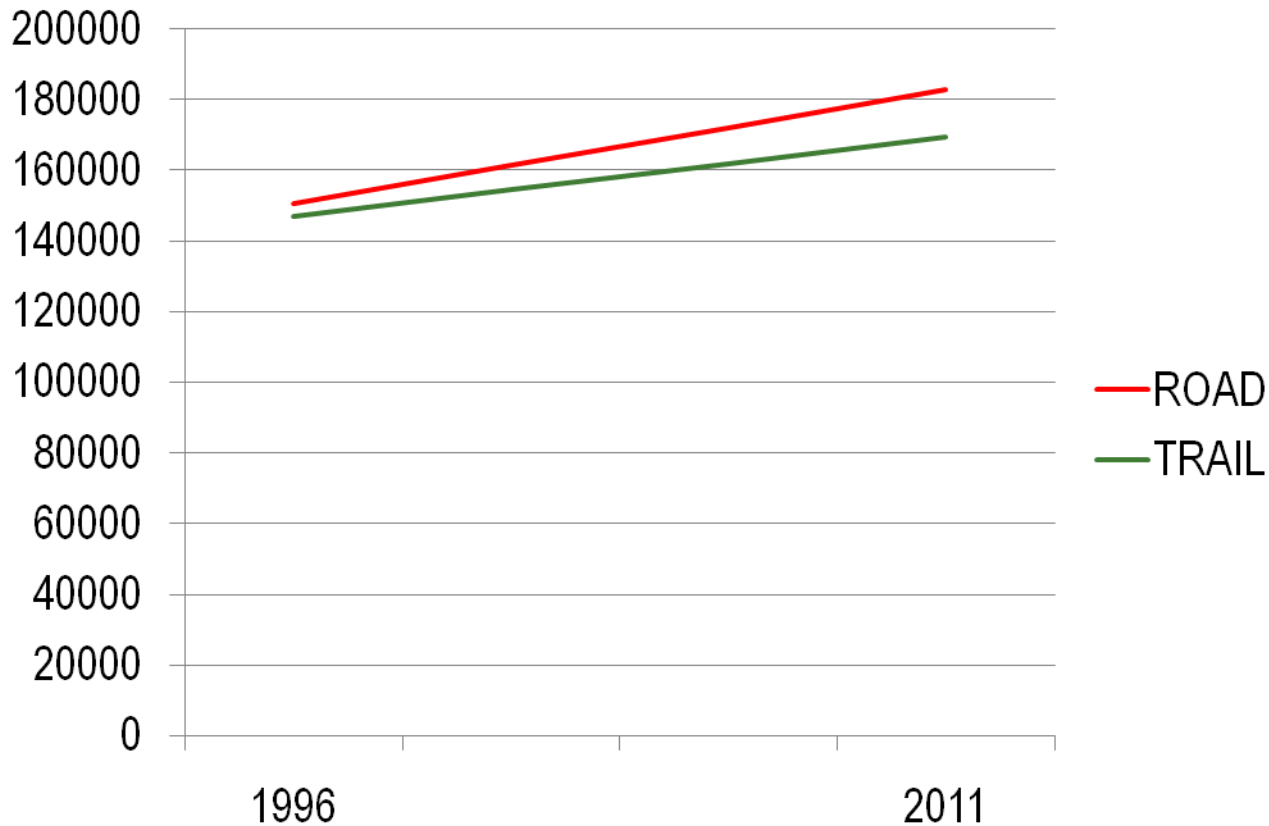


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# FOREST ROAD TREND



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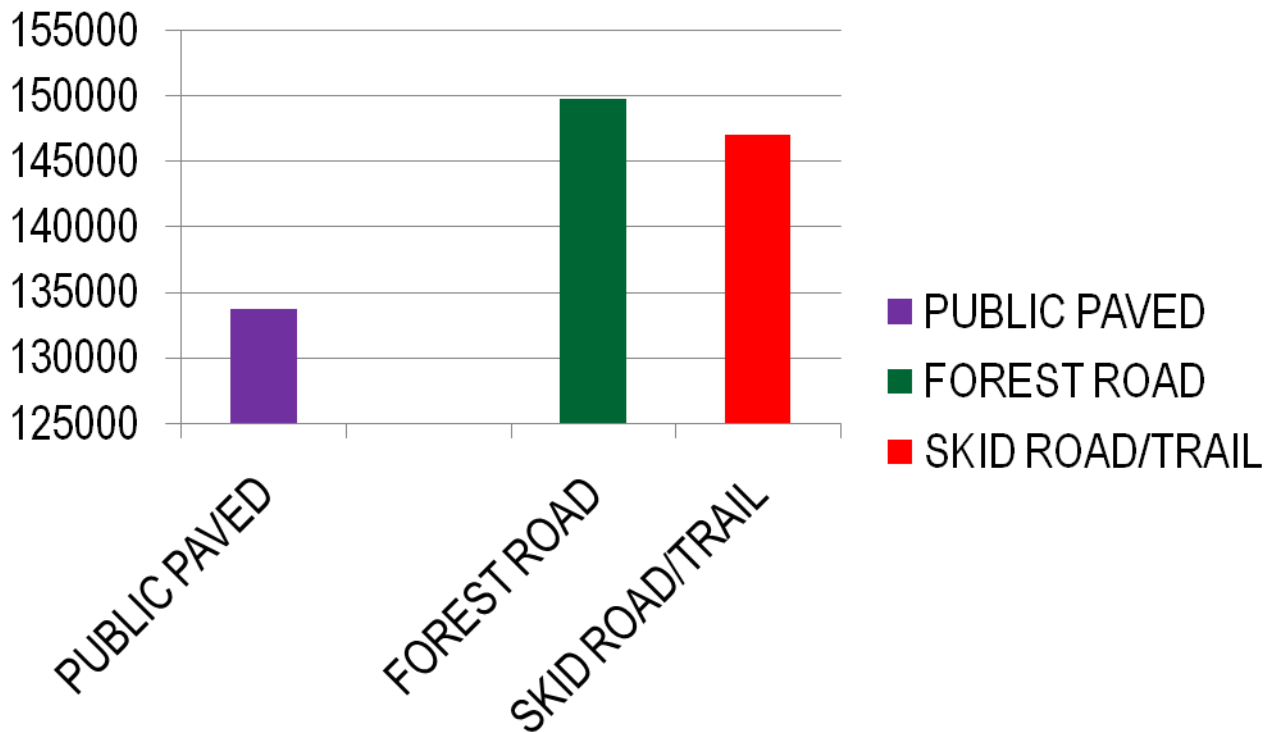
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# Road Infrastructure in AUSTRIA

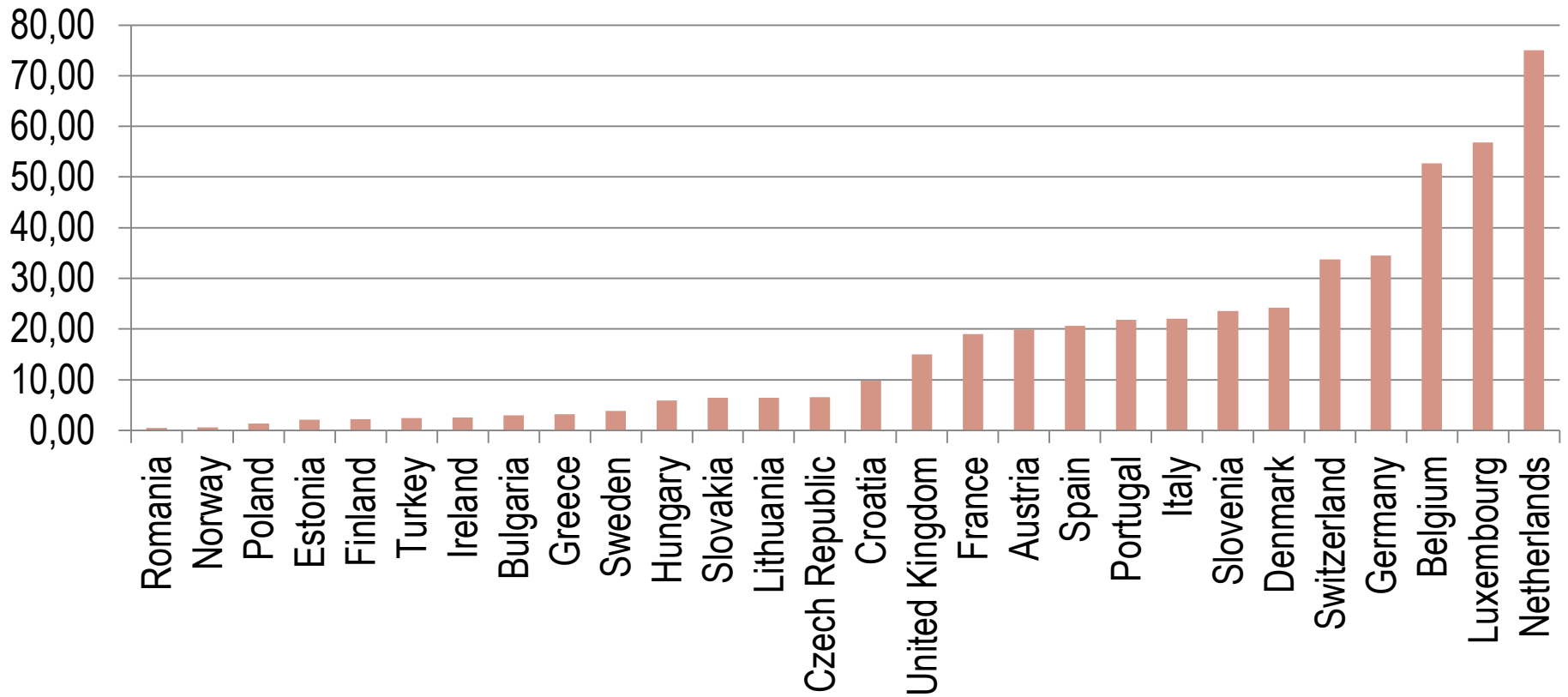


## LENGTH





### road density (public) m/ha

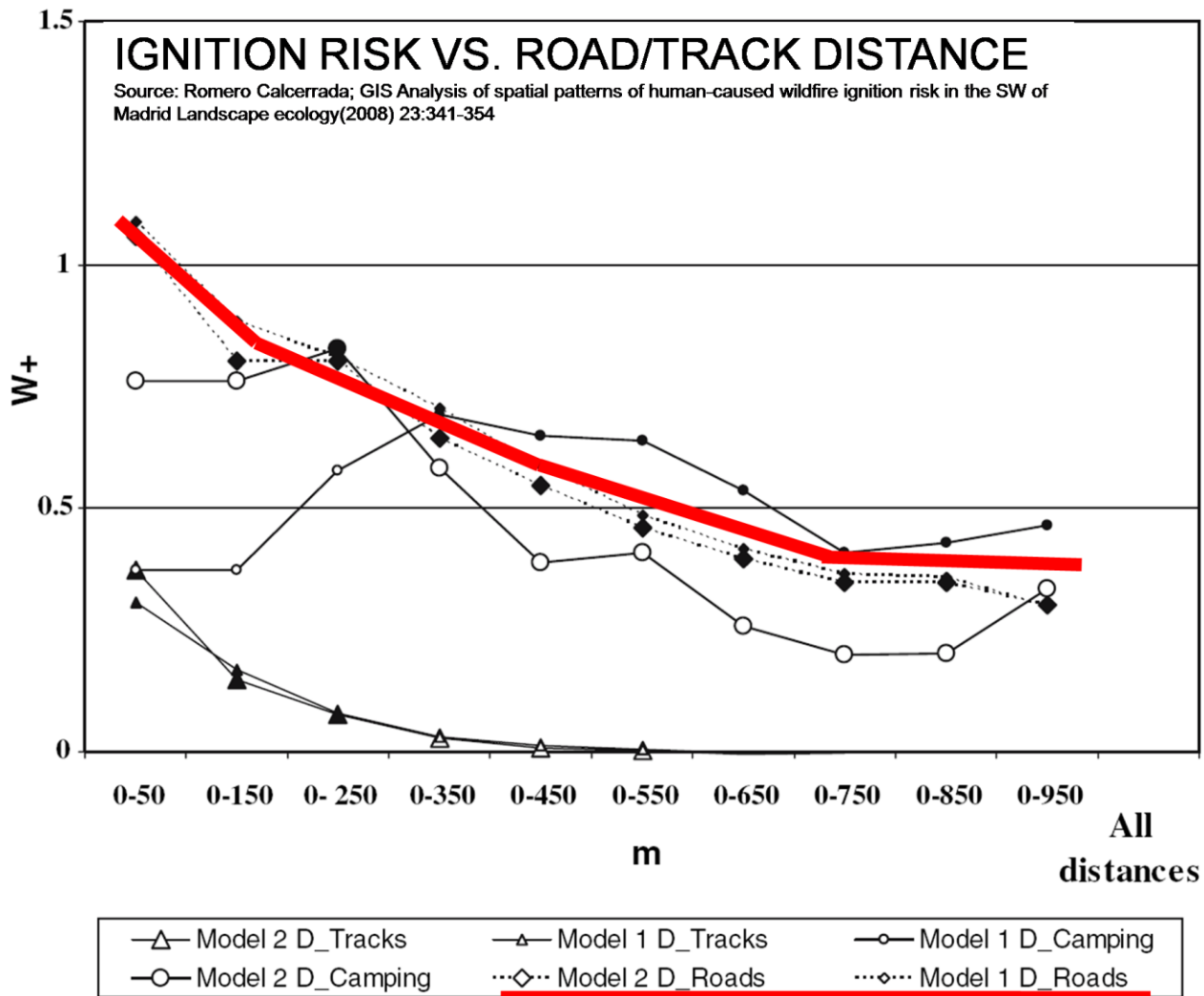






***"The most drastic damages to forests in Europe  
are caused by forest fires and wind"***  
(EEA Report No 3/2008)







# GLOBAL CHANGE



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**4TH SIMPOSIO LATINO-AMERICANO SOBRE MANEJO FLORESTAL**

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# EXCAVATOR for road construction



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# CONTROLLED BLASTING



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# ROAD CONSTRUCTION WITH EXCAVATOR

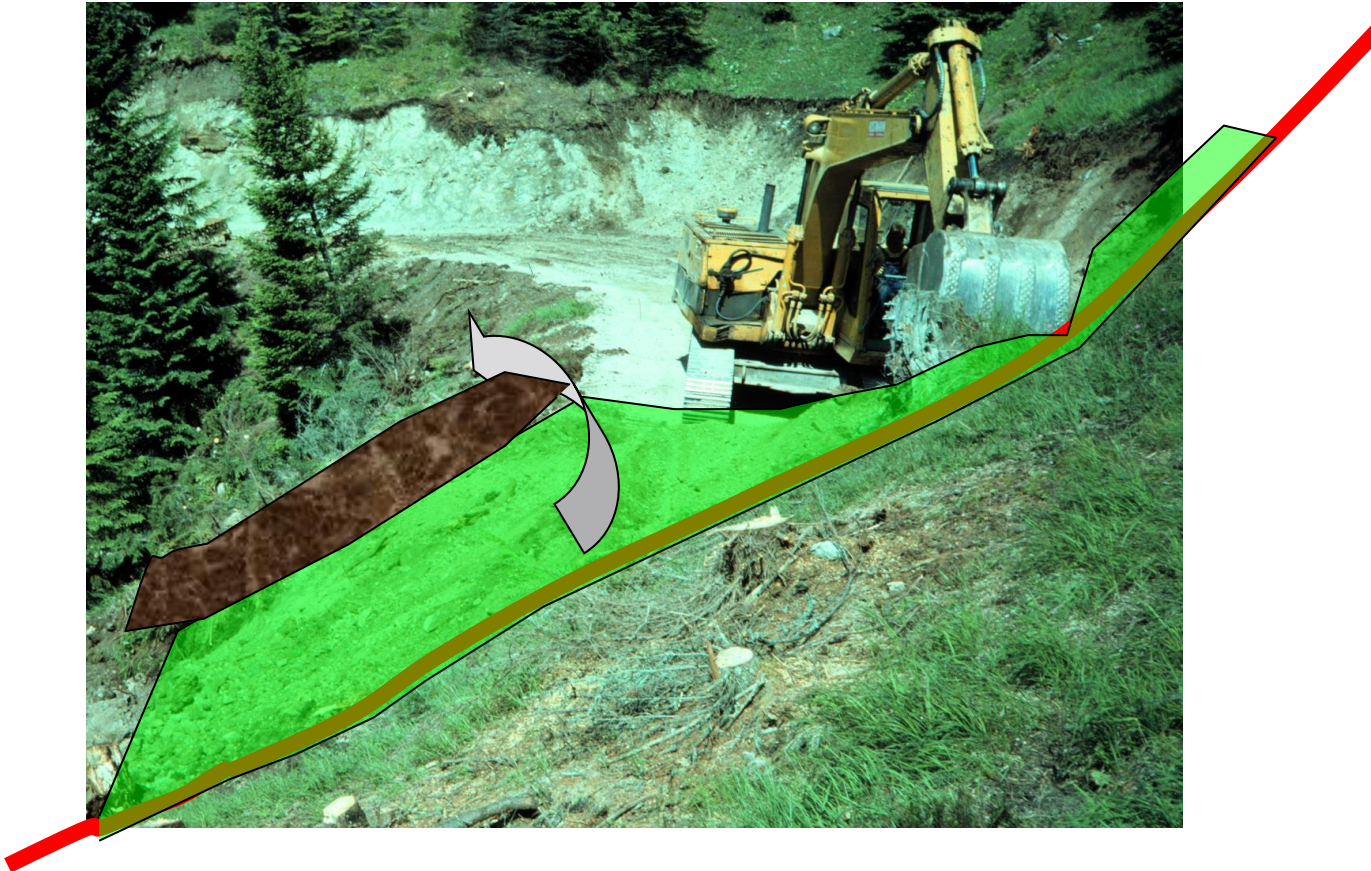


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# STORAGE OF ORGANIC MATERIAL



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# STABILIZING the FILL (BERM)

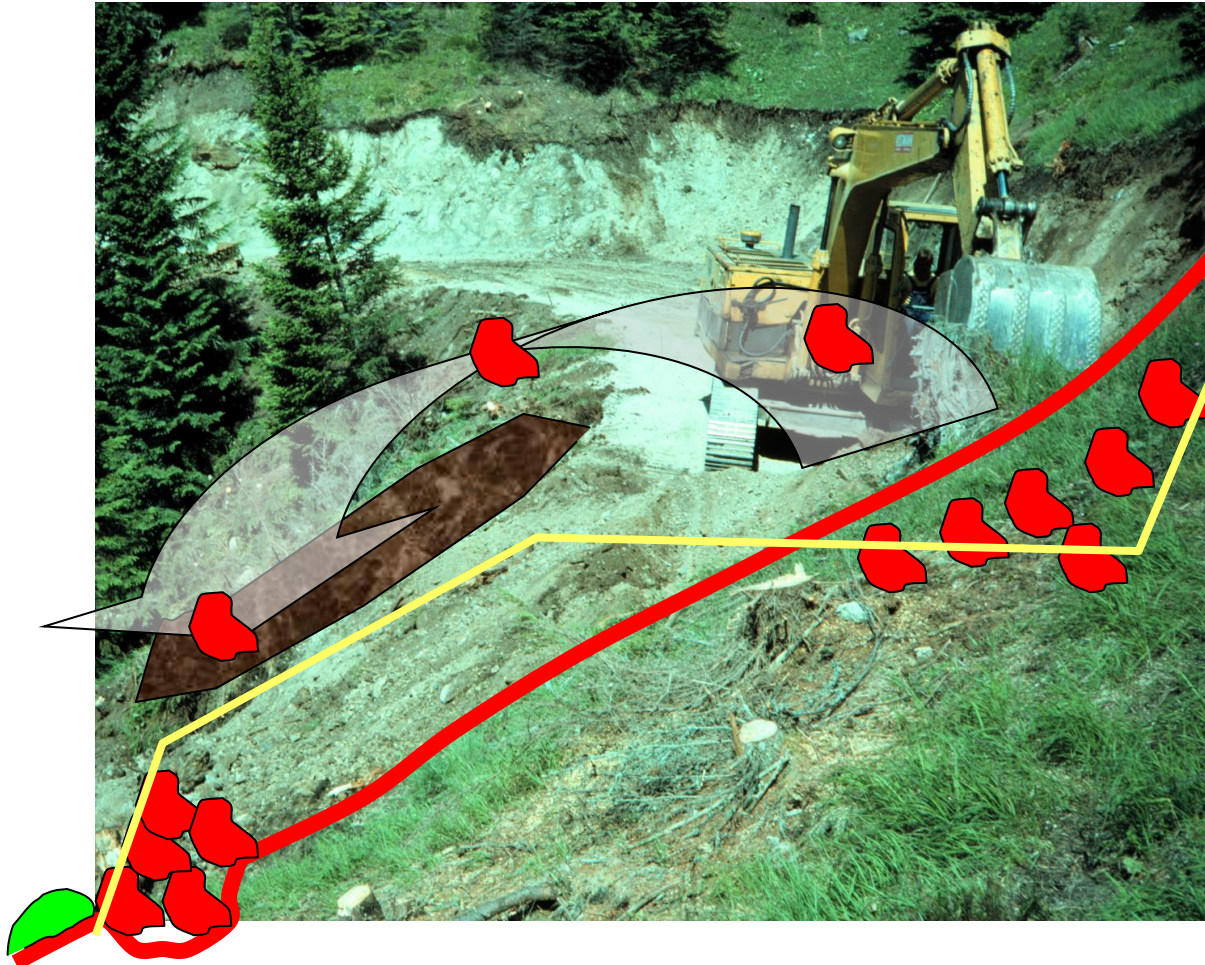


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# CATCH WALL

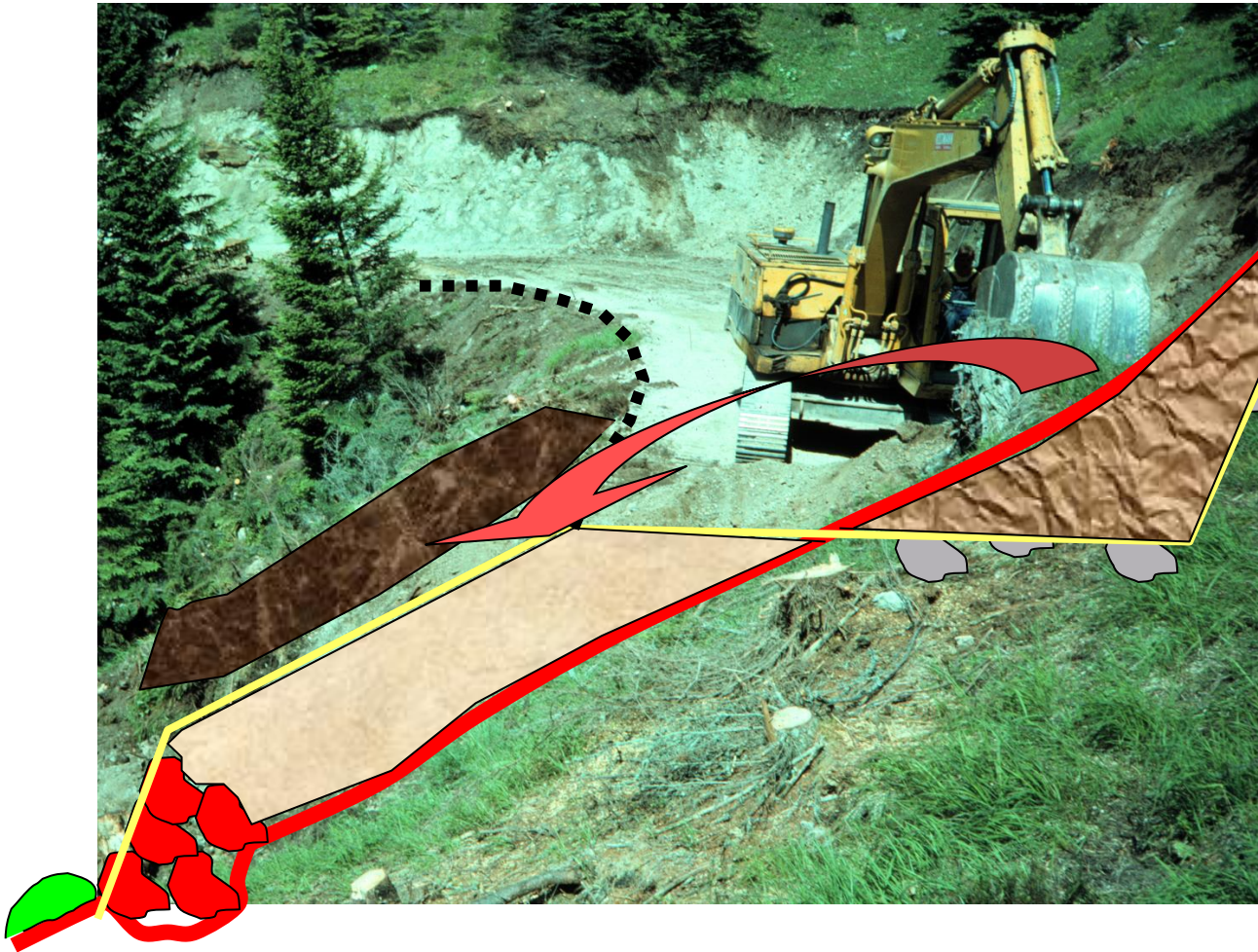


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# FILL

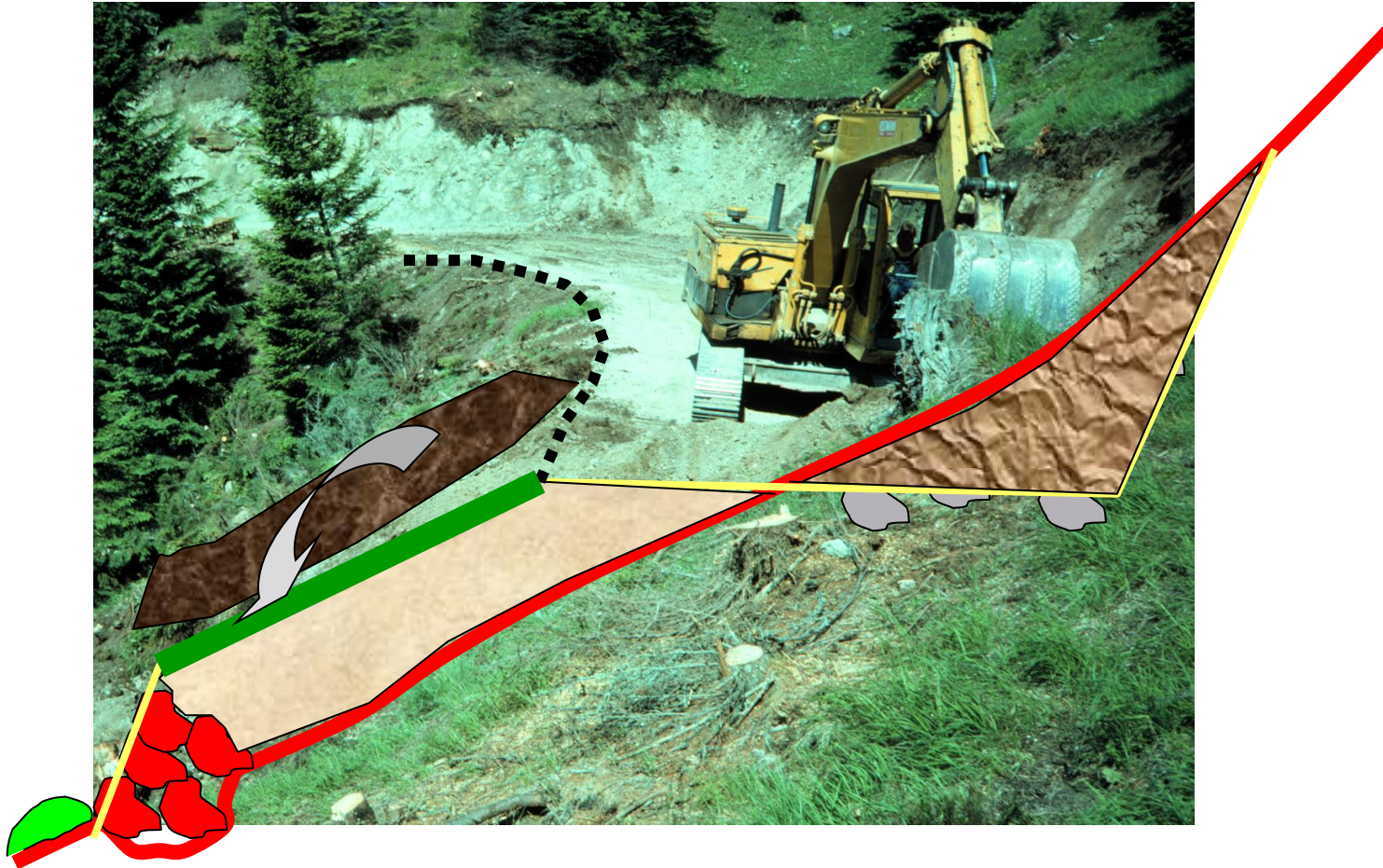


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# RESTORING ORGANIC MATERIAL

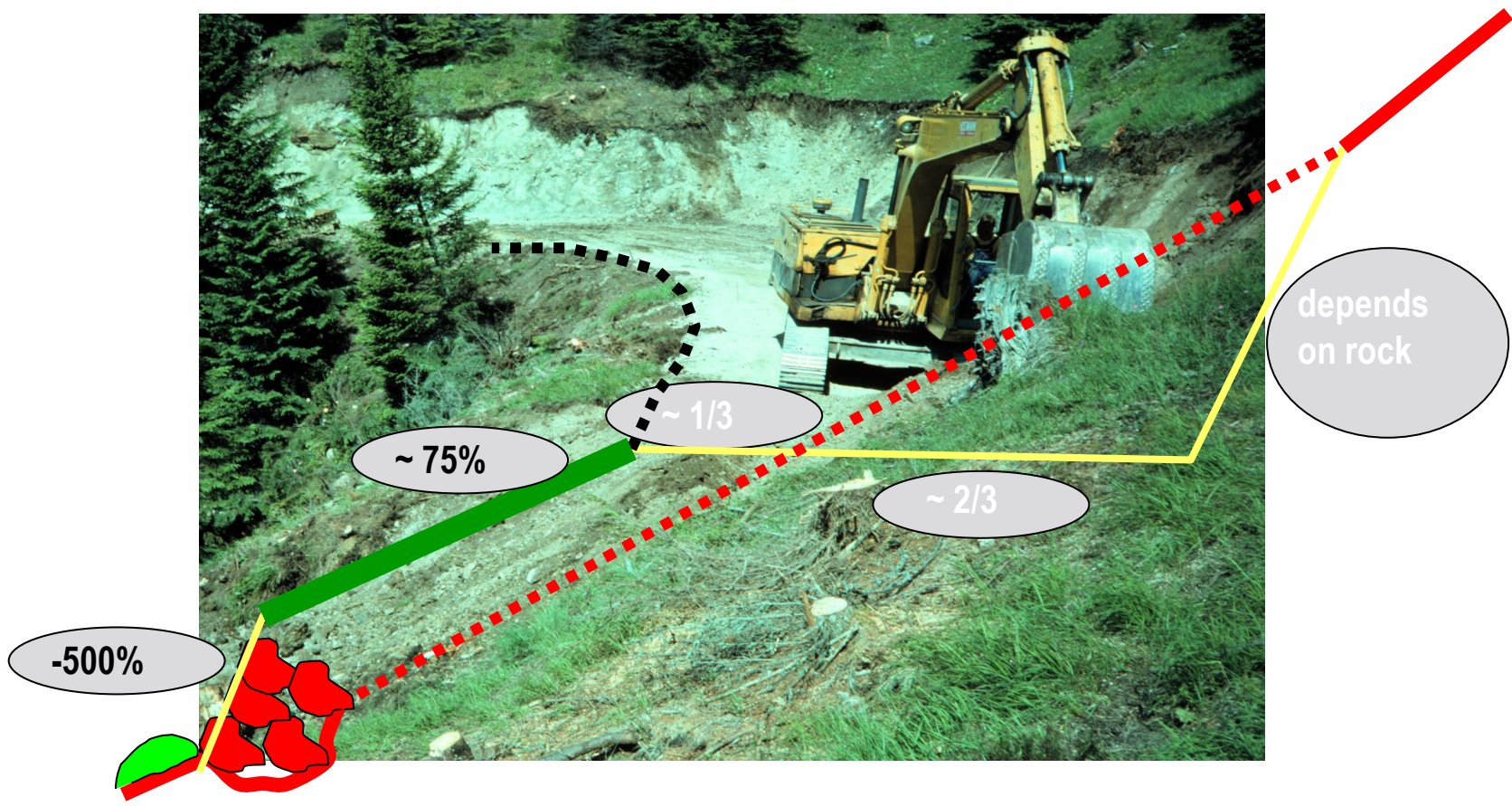


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# ROAD CONSTRUCTION WITH EXCAVATOR



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# THANK YOU

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