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## **Multiplier Effect in Macroeconomics**

Every time there is an injection of new demand into the circular flow there is likely to be a multiplier effect. This is because an injection of extra income leads to more spending, which creates more income, and so on. The multiplier effect refers to the increase in final income arising from any new injection of spending.

Source: http://www.economicsonline.co.uk/Managing\_the\_economy/The\_multiplier\_effect.html





- \$1,000,000(net income)/10%(RROR) =
  \$10,000,000
- By lowering the Risk Premium (due to decreasing uncertainty, costs, etc...) value can be greatly enhanced
- \$1,000,000(net income)/9%(RROR) =
  \$11,111,111







# Effects of Lower Unemployment on GDP & the Deficit

- Assumptions: Pro employment and private market growth land policies, regulations, and possibly a privatization of some of the currently public held industries/markets.
- Applying an Okun's Law level multiplier effect of 2x to 3x equates to;
- As a result of market improvements, if Greek Unemployment were to drop to 7%-10%;
- □ GDP would increase to \$334 Billion to \$382 Billion.







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### Forest Land Policy Inefficiencies

- Title chain research is a long costly process tending to rule out small and medium investors from the market.
- The state has often claimed land in suburbs, even land registered with services available, taxes being paid, and a resident in place for over 20 years.
- The presence of a forest (25% canopy) at any time in the past based on ortho photos from as far back as 1945 allow the government to make these claims to ownership.

# Forest Land Policy Inefficiencies Rural land that is not cultivated may also "become" forest land and then the state can make claim. In informal & unplanned areas it can take 2-3 years for "possible" approvals for any construction, and denial is very possible. Constructions are commonly built informally because of this. To build in unplanned areas requires up to 25 agencies, may take several years, often court decisions ruling our small players. The process is slow and the lack of spatial data (forest maps & coastal zone maps) makes it even longer when there is existing formal & informal development already in place.













## **Multiplicative Inefficiency Factors**

- In this instance we have estimated a 35% loss of efficiency factor before determining the expected effect of these policies and practices on GDP.
- Lastly, we have not accounted for the effect these items have on personal property, cash & small business sector or the equity markets.
- These markets are also be affected by these same factors, but likely to a lesser extent.











## Thank you!

"A good legal property system is a medium that allows us to understand each other, make connections, and synthesize knowledge about our assets to enhance our productivity"

- Hernando de Soto

