



# Energy extractive sector in LDCs

Do we have the right problem-solution fit?





# Cassius Chiwambo

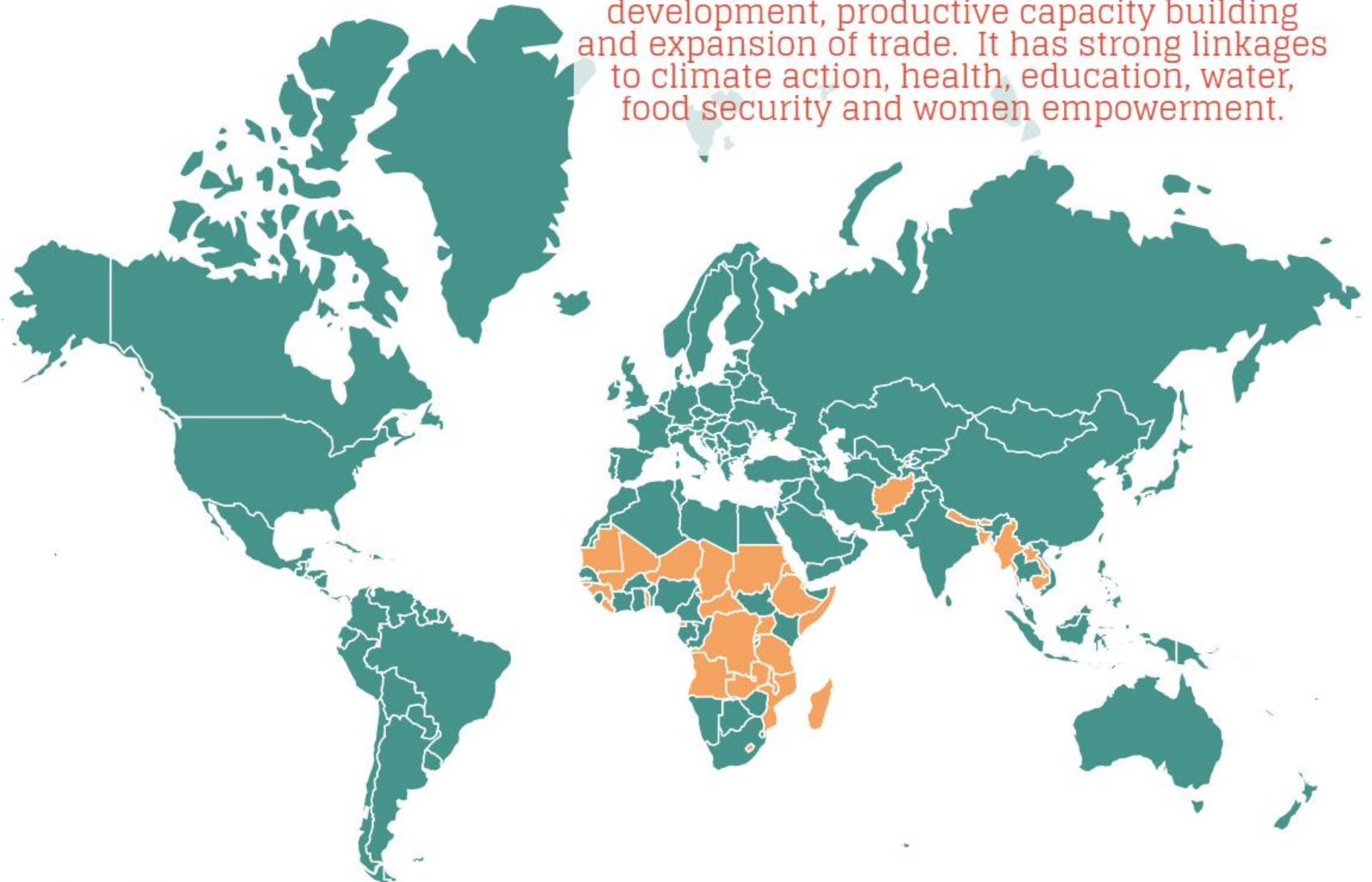
Senior Mining Engineer and Advisor, Ministry of Natural Resources and Energy, Malawi



## ENERGY IN MALAWI

- High-value minerals like uranium, coal, niobium, tantalum and rare earths
- Projects stalled due to unavailability of grid power

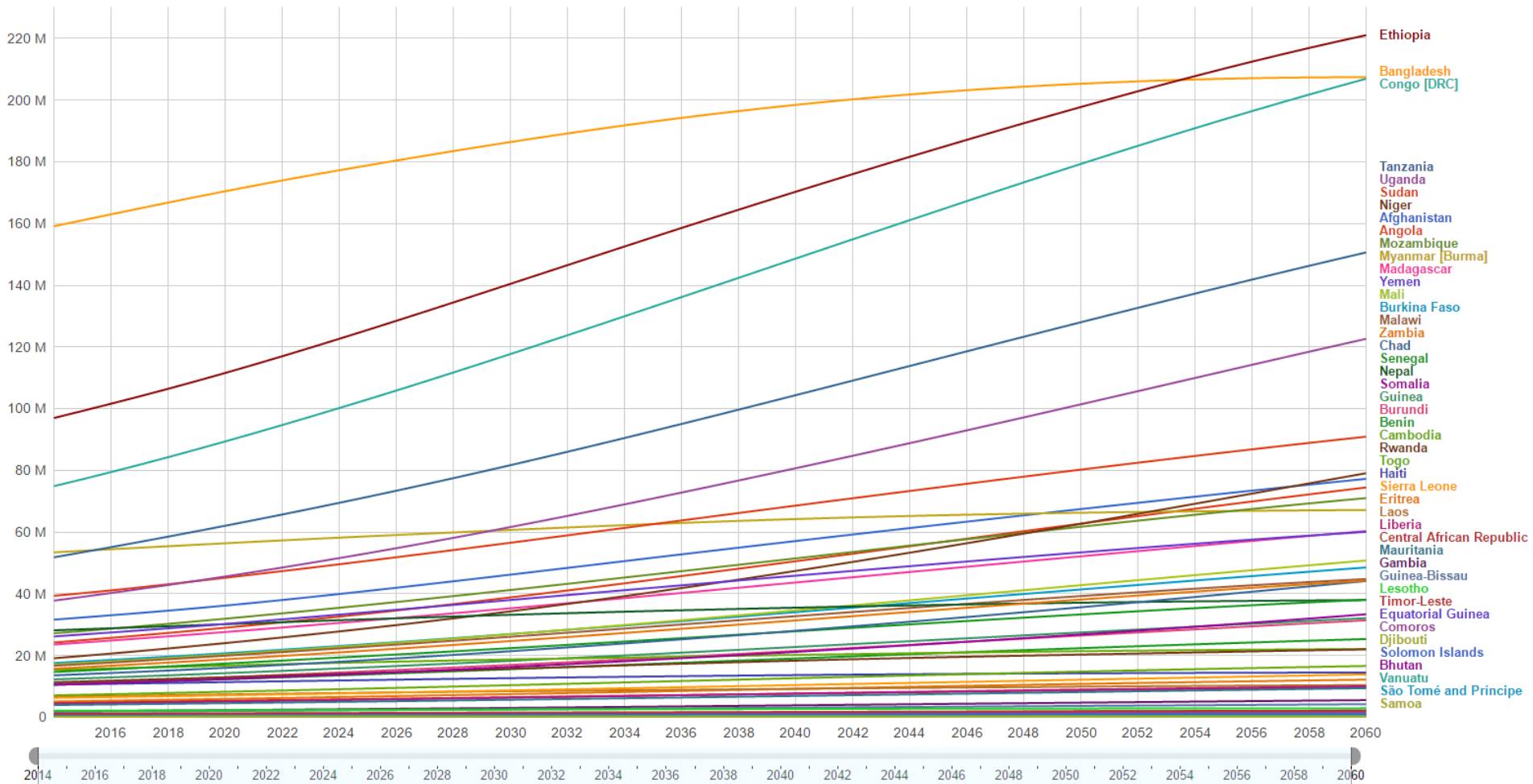
Energy is essential for private sector development, productive capacity building and expansion of trade. It has strong linkages to climate action, health, education, water, food security and women empowerment.



# Population growth

## Rising urban population as well

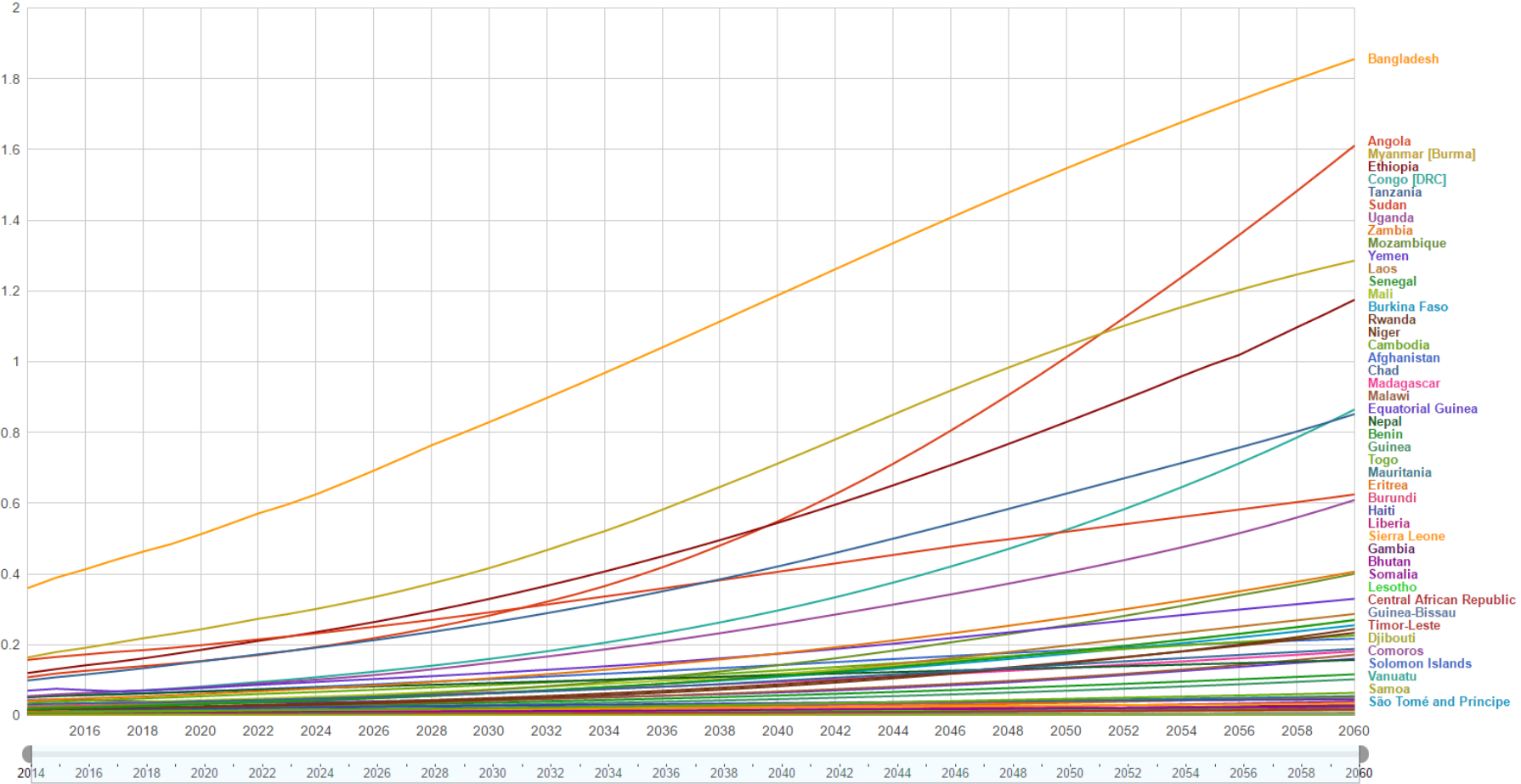
### ENERGY



# Energy Demand

## Billion BOE (Base Case)

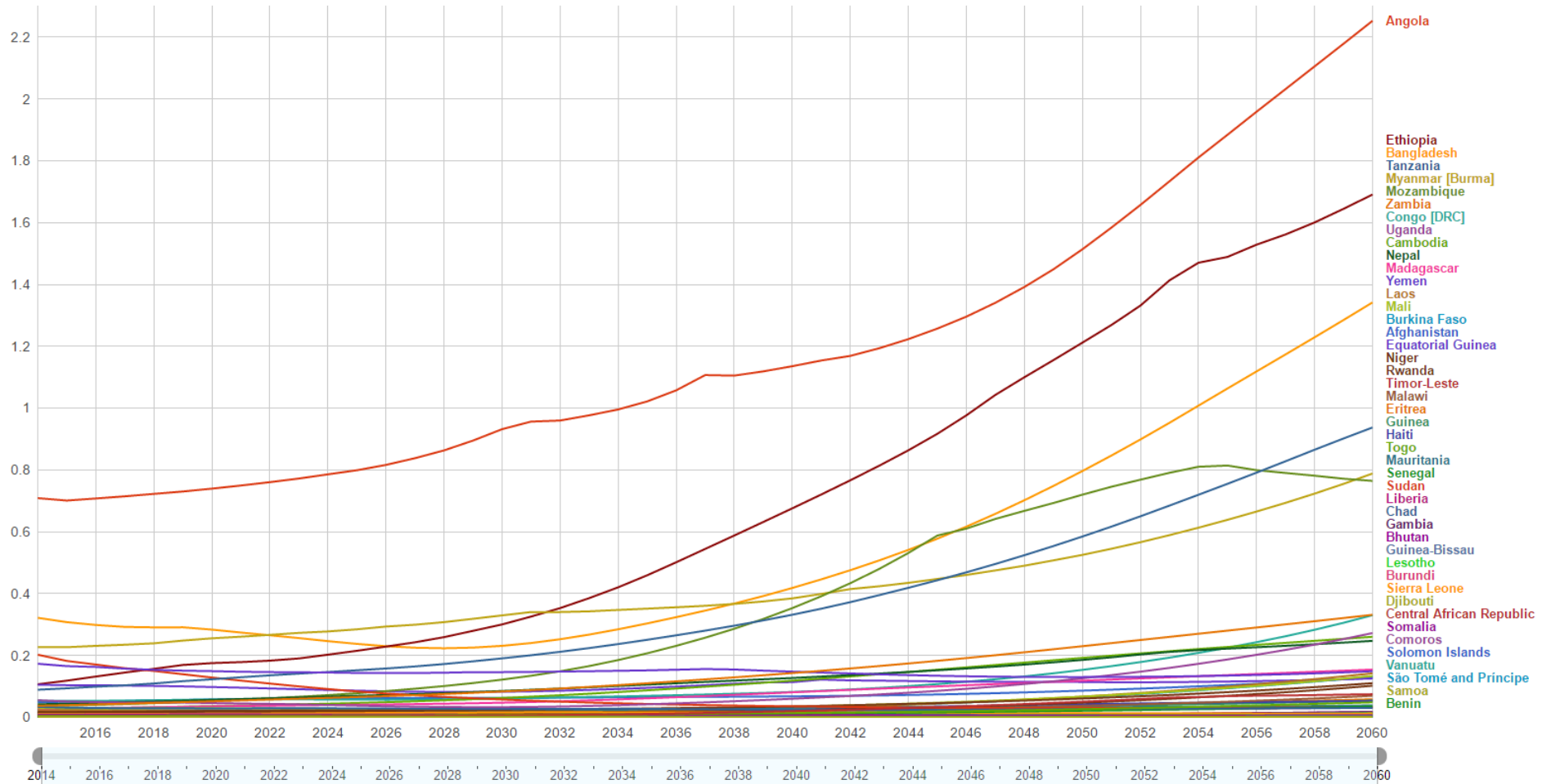
### ENERGY



# Energy production

## Billion BOE (Base Case)

### ENERGY



Source: Frederick S. Pardee Center for International Futures, 2016

# THE PROBLEM



35 % of the population  
with access to  
electricity



Rising energy demand



Declining public  
investment



**Inadequate institutional and legal  
frameworks to administer the energy  
issues**



# DEPENDENCIES

- Dependence on imported fossil fuel
- Dependence on biomass

# SOLUTIONS NEEDED FOR ...



- Creating an enabling business environment to attract investments
- Building stronger public-private partnerships
- Increasing availability of human capital



# Thank you!

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Date 06 | 02 | 2017, Geneva