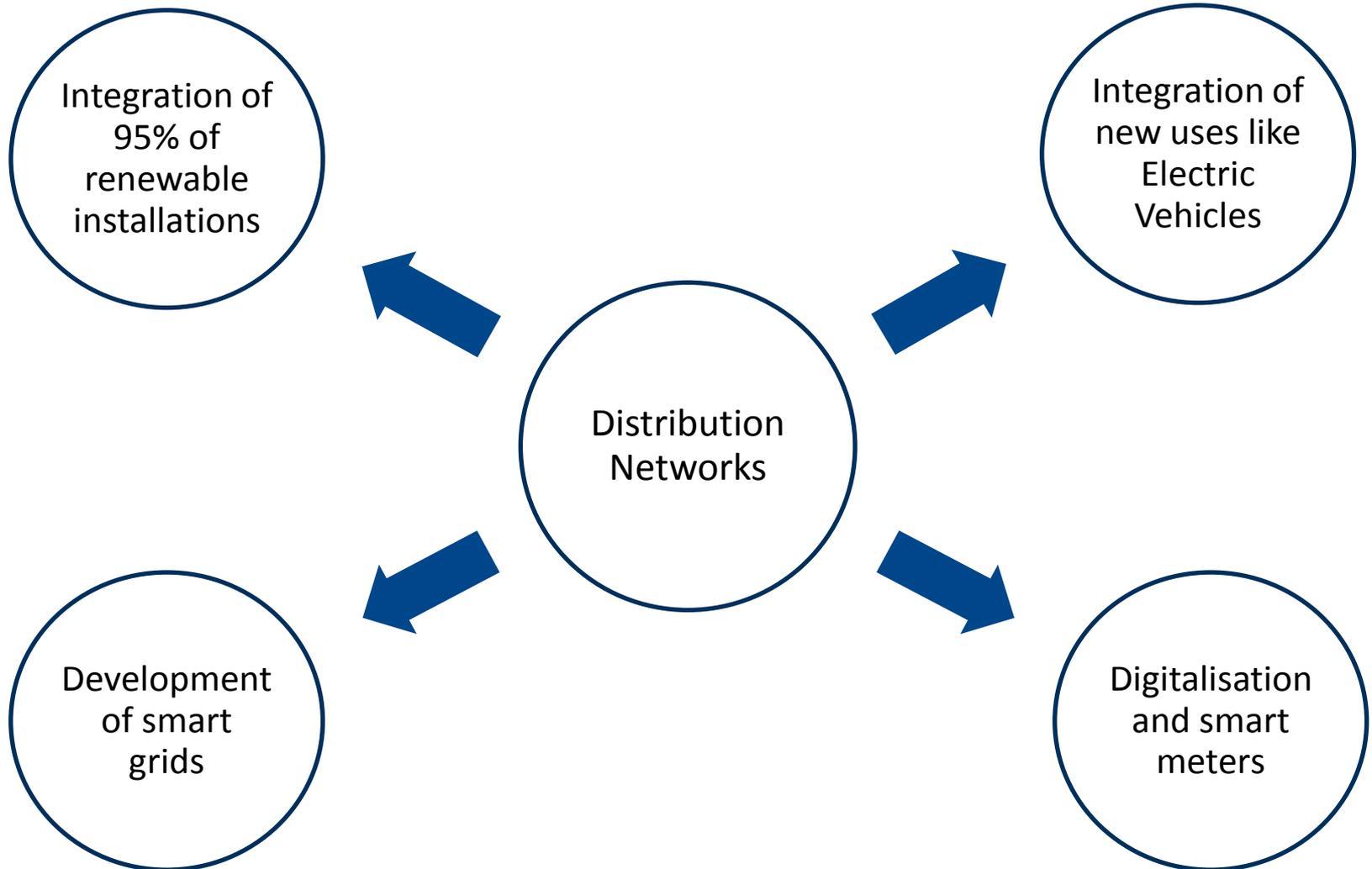


# « The evolution of the electricity grid within the energy transition »

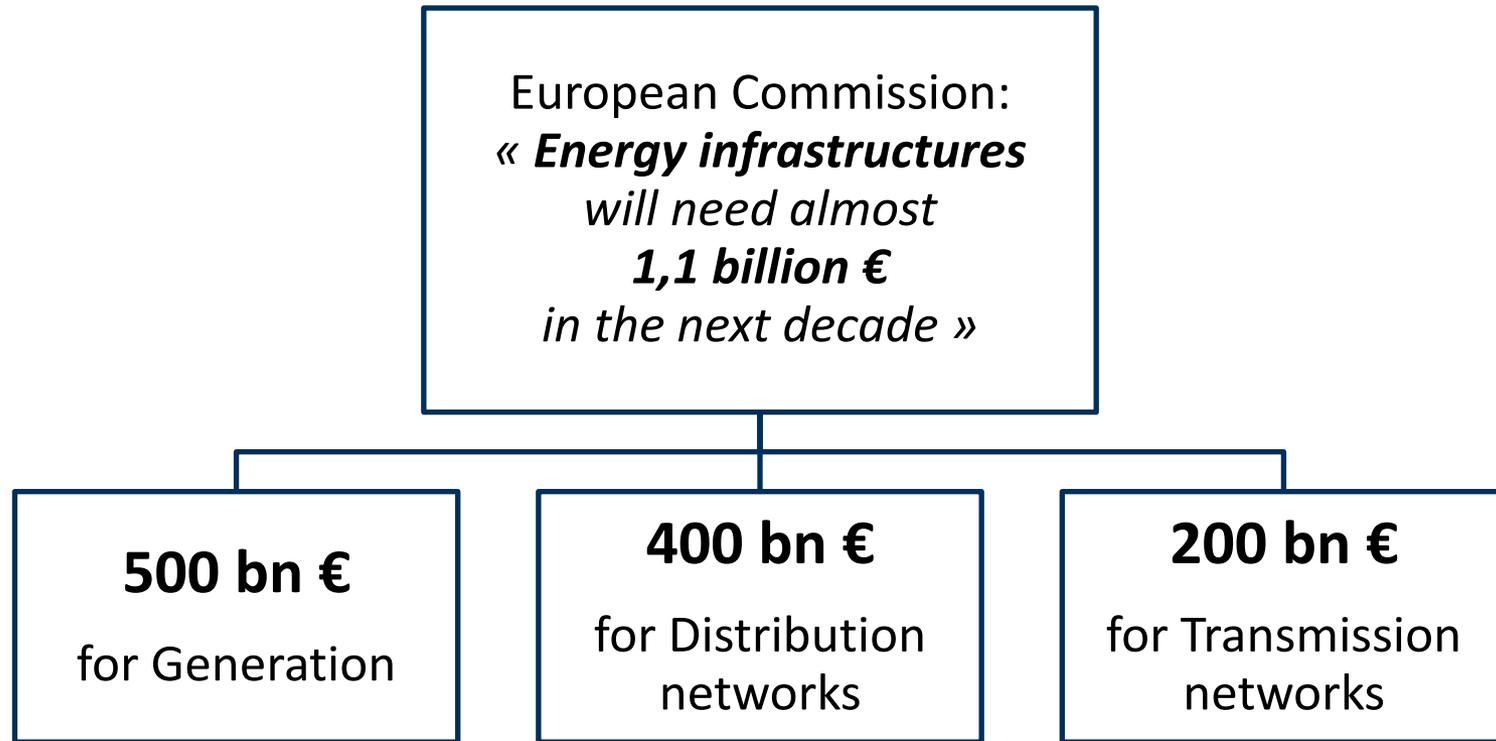
**Michel DERDEVET**

General Secretary and member of the Board - Enedis

# The distribution networks: At the heart of the energy transition

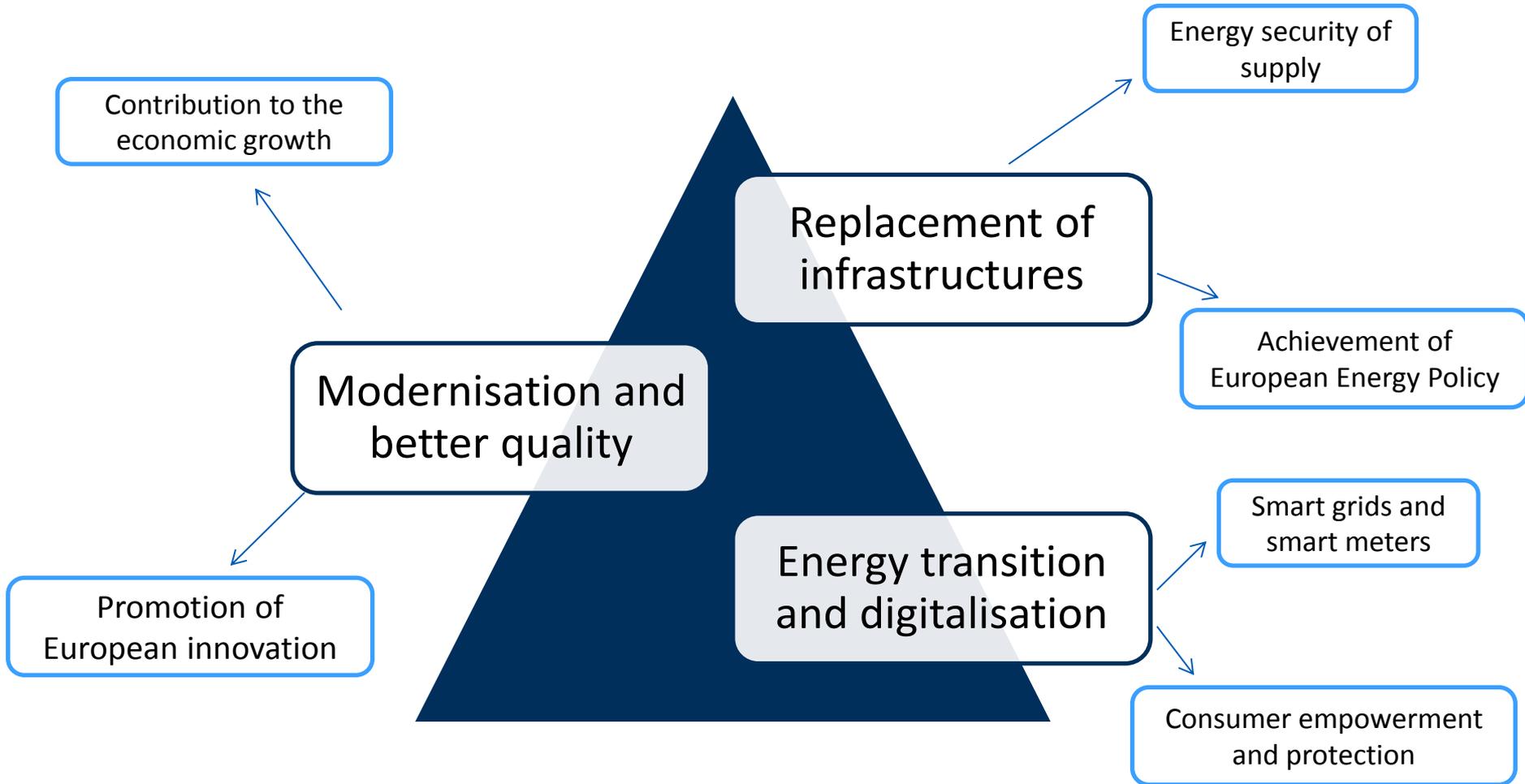


# A huge need of investments in energy sector



The networks represent the biggest part of the needs

# The multiple needs of the networks



# What are the barriers to investment ?

Too many actors, not well coordinated:

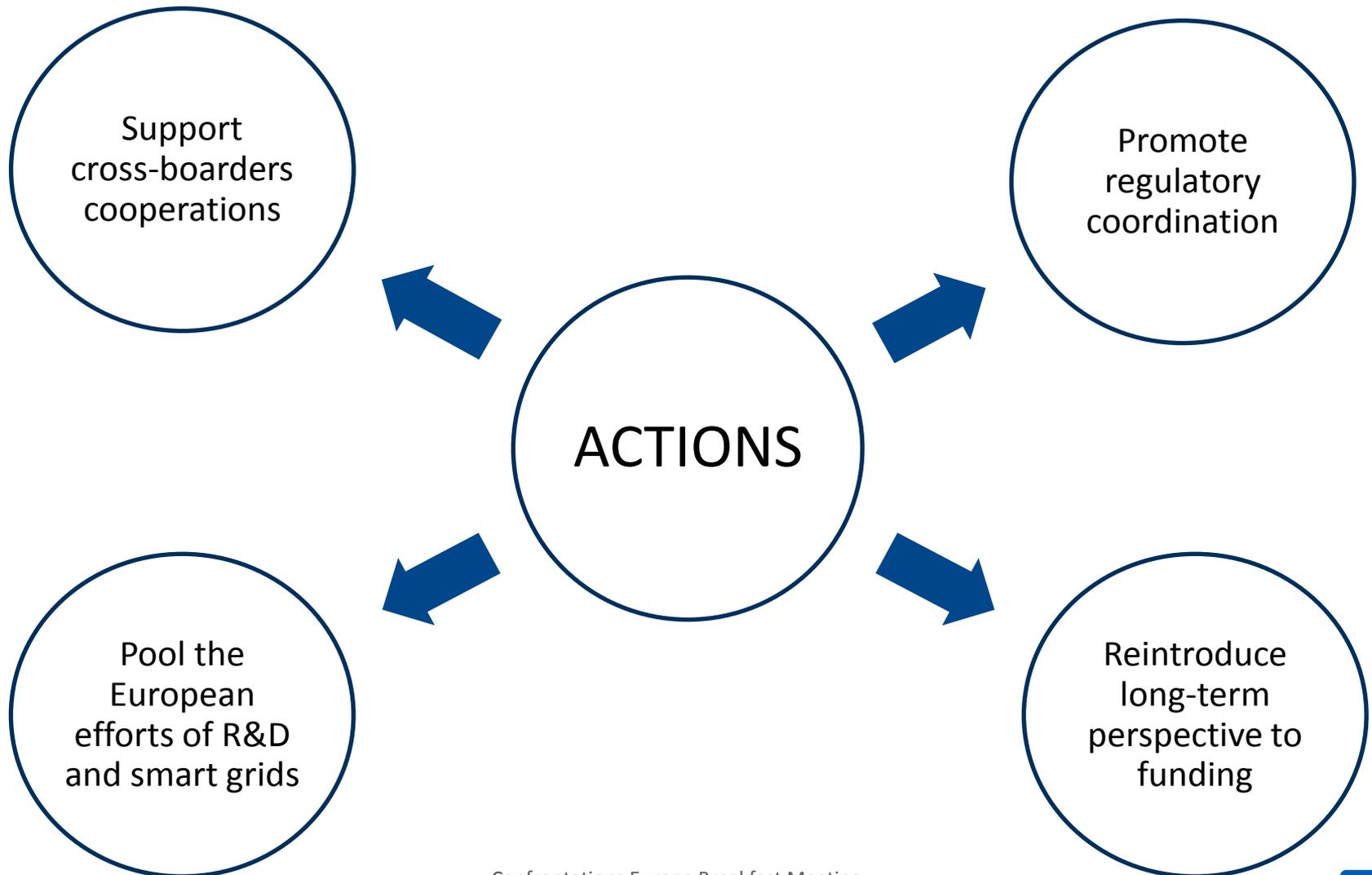
- > Regulators (governments, TSO's, Independent regulators, etc.)
- > Decentralised Political authorities (Europe, States, Regions, municipalities, etc.).
- > Transport system operators, Distribution system operators

Therefore, the investments imply:

- > Regulatory evolution to reduce capital costs and risk premium
- > To improve coordination for better economies of scale and efficiency
- > New fundings (ie: the Juncker Plan)

**There is a need for an evolution in regulation:  
more stabilization and visibility, new incentives, securing tariffs**

# What can we do to secure and optimize investments in networks?



# Focus: the opportunities for distribution networks

- > Encourage cross-border cooperation between distribution system operators .
- > Interconnect the pioneers of local energy governance. Create a European Forum of the territories.
- > Pool the European efforts of R&D with respect to smart grids.
- > Create a European energy data platform.
- > Map out European corridors for innovative mobility.
- > Establish a Europe Energy College.

# The Winter « Clean Energy » Package

*On 30th November 2016, the European Commission published the Winter « Clean Energy » Package on Energy Union, which:*

- > Acknowledges the role of DSOs as important actors at the heart of the energy transition
- > Associates DSOs as key players in the European governance, through the introduction of a European Entity for DSOs
- > Affirms the importance of distribution networks reinforcement
- > Instructs DSOs to own, develop, manage or operate recharging points for electric vehicles
- > Approves DSOs as neutral data managers