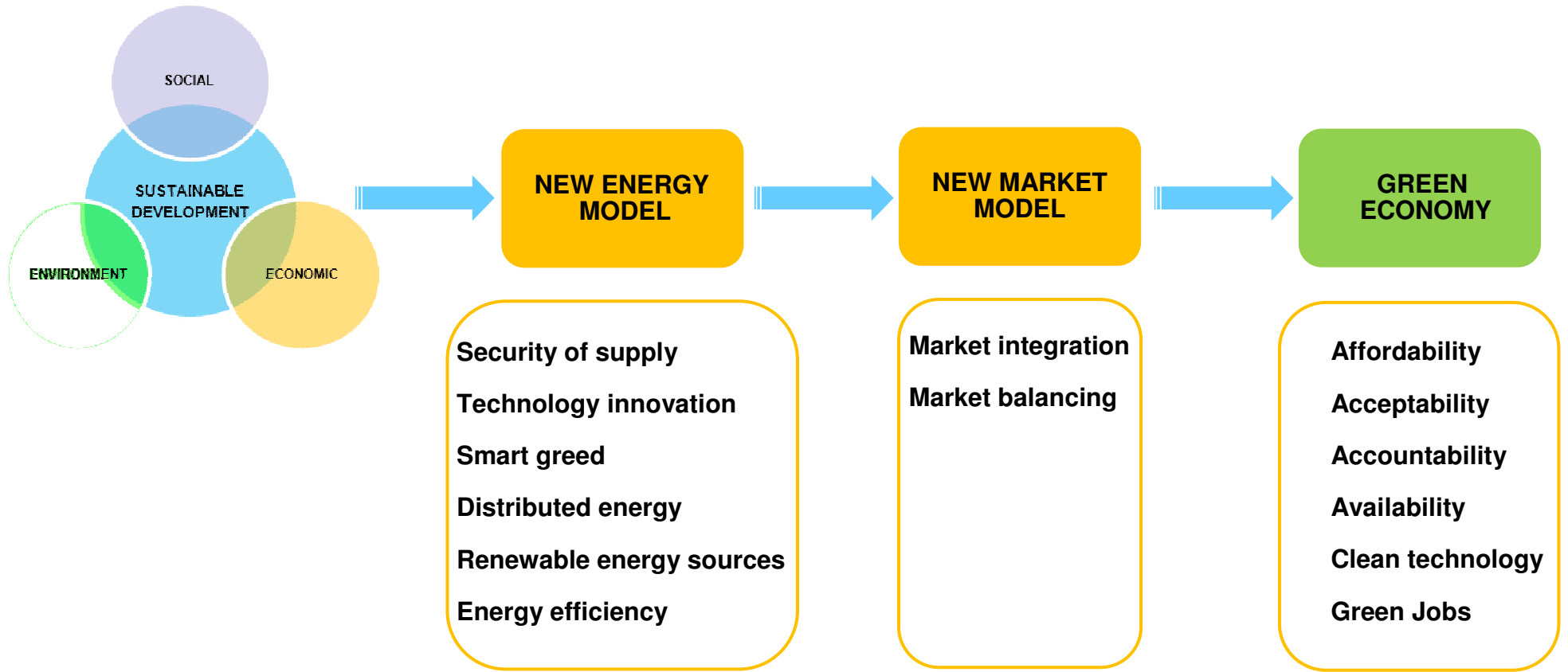


EU GLOBAL COMPACT LOCAL NETWORKS MEETING Public-Private Joint Efforts Towards Rio+20

**Roberto Venafro
Responsible for Environmental Affairs**

Rome, 2011 October 27th

SUSTAINABLE DEVELOPMENT AND GREEN ECONOMY



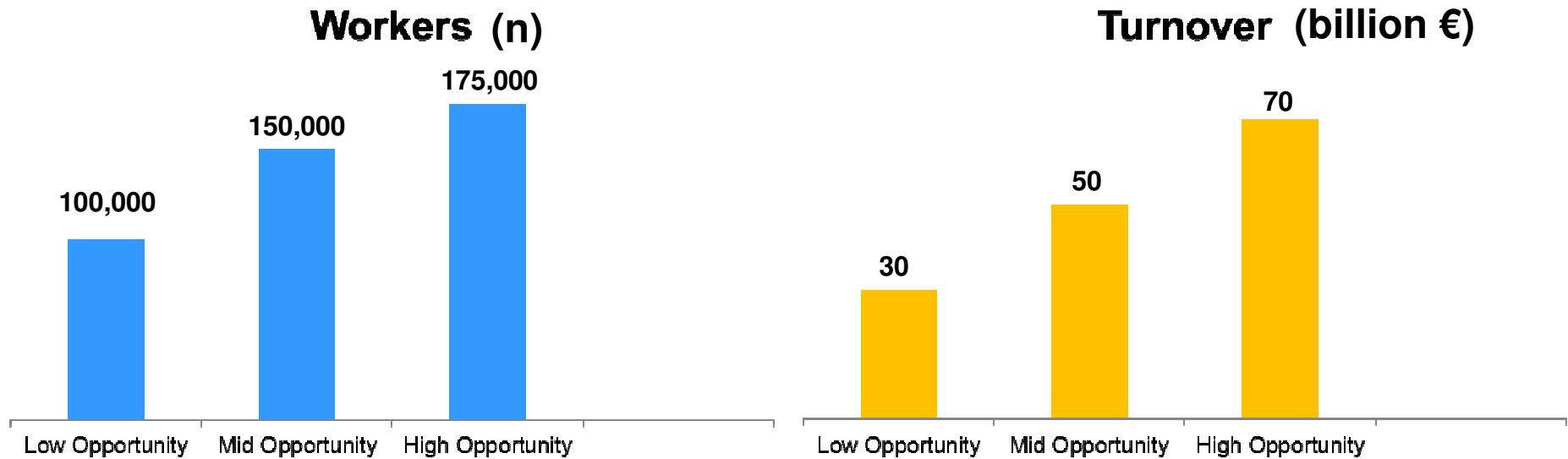
The priority is to adapt both the present energy and market models to climate change scenario

FROM ENERGY MARKET EVOLUTION TO SUSTAINABLE DEVELOPMENT

EXTERNAL FACTORS	STATUS	REGULATORY FRAMEWORK
Liberalization of energy market (electricity and gas)	Completed	EU Directives 96/92/CE and 98/30/CE
EU Environmental targets 2020	Policy in force	EU Directives 2009/28/CE, 2009/29/CE and 2009/31/CE
EU Roadmap 2050	To be implemented	COM(2011) 112 A roadmap for low carbon economy in 2050

Ambitious goals require significant investments on innovation to meet competitive low-carbon economy in 2050

GREEN JOBS OPPORTUNITY IN ITALY BY 2020



Green economy as an alternative to virtual economy might assure a good opportunity in terms of turnover and workers employed in Green Jobs

SUSTAINABLE DEVELOPMENT: THE ENERGY SECTOR CONTRIBUTIONS

- **CO₂ emissions reduction**
- **Clean technology implementation**
- **Fuel switching from coal/oil to natural gas**
- **Energy efficiency program saving primary energy**
- **Rational use of raw materials and water**
- **Conservation of natural habitats and biodiversity**
- **Renewable energy development**
- **Waste recovery and recycling**

EDISON COMMITMENT TOWARDS A SUSTAINABLE INDUSTRIAL DEVELOPMENT

- **All thermal power plants are combined cycle gas turbine with high efficiency and lower CO₂ emission than oil/coal fired power plants**
- **Investment on natural gas infrastructures to reduce the energy dependence and guarantee security of supply**
- **Development of specific plans to enhance the share of renewable energy sources within fuel mix**
- **Implementation of biodiversity programs and projects to conserve habitats and protect species in extinction**

BIODIVERSITY: THE EDISON PROJECT

- **In 2009 Edison launched a program in order to identify the areas with high biodiversity value in the surroundings of its own existing or planned power plants**
- **The aim of the project is to guarantee the habitats conservation and biodiversity protection during both developing business plan and operating power plants**
- **In 2011 Edison developed a method analysing the sensitivity of its operating sites in terms of biodiversity issues: 141 sites concerning different technologies (thermal power plants, hydro power plants, wind farms, gas onshore and photovoltaic plants) have been included in the analysis**
- **The method, developed at a national scale, processes three kinds of data: use of soil, protected areas and distribution of vertebrate species**
- **These data, matched with geographical data, allow to define a ranking of operating sites in terms of sensitivity for biodiversity issues**



Thank you
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