1. WHAT IS THE BIOECONOMY?

2. THE BIOECONOMY IN ITALY

3. REVIEW OF THE EU BIOECONOMY STRATEGY
1. What is the bioeconomy?

**Bioeconomy**

Using biological resources to produce "more and better, from less"

- Food
- Marine
- Forestry
- Energy
- Chemicals Materials
- Agriculture

**NEW REVENUE GAINS**

- Oil dependency
- CO2 emissions
- Wastes (agriculture, fisheries, food)

Source: SCAR (Standing Committee on Agricultural Research)
1. What is the bioeconomy?

Bioeconomy is key for Europe

Turnover in the EU-28 by the bioeconomy sector
In percentage of value (2013)

- **19%** Agriculture
- **9%** Manufacturing of paper & paper products
- **8%** Manufacturing of wood & wood furniture
- **55%** Food, beverage & tobacco industry
- **>1%** Fisheries & aquaculture
- **3%** Bio-based chemicals, pharmaceuticals & plastics
- **4%** Bio-based textiles
- **>1%** Biofuels
- **>1%** Bio-based electricity

2 trillion euro turnover
Employs >17m people

This presentation shall neither be binding nor construed as constituting commitment by the European Commission.
1. What is the bioeconomy?

EU Bioeconomy Strategy & Action Plan

**Investment in R&I**
- Horizon 2020 (€3,8b SC2)
- Increase multi-disciplinary & cross-sectoral R&I
- ESIF - Smart Specialisation
- EFSI

**Policy interaction & stakeholder engagement**
- EU Policy coherence
- Development of regional and national bioeconomy strategies
- Bioeconomy Panel
- Bioeconomy Observatory
- International cooperation

**Enhancement of markets & competitiveness in bioeconomy**
- Sustainable intensification of primary production
- Expansion of new markets
- Increase EU competitiveness
- BBI JU

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1. What is the bioeconomy?

IN EUROPE:
Several MS have adopted national Bioeconomy Strategies.

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1. What is the bioeconomy?

Relevant initiatives in the EU policy context

- **Circular Economy Package**
  - Cascading use of biomass, investments in biorefineries

- **Revised legislative proposal on waste**
  - Separate collection of biowaste, ban on landfill of waste that is separately collected

- **Plastics Strategy**
  - Replacing fossil by bio-based feedstocks. Development of biodegradable and bio-benign plastics

- **COP 21 and Energy Union R&I and competitiveness strategy**
  - Deployment of biorefineries, reducing agriculture emissions, boosting carbon sink

- **Creation and expansion of markets** (Standardisation, public procurement, awareness raising, etc.)
  - Ongoing FP7, H2020 and BBI projects supporting policy actions
1. To promote a **systems approach** to food and nutrition security research and innovation,

2. To better **structure, connect and scale-up EU R&I**, in a global context

3. To **step-up EU investment** ambition (public and private)

4. To mobilize international stakeholders to **tackle global societal challenges**

**NEED FOR NEW LEVEL OF AMBITION, IMPACT AND FOCUS**
The BLUEMED Initiative fosters integration of knowledge and efforts of EU member states of the Mediterranean Basin to jointly create new ‘blue’ jobs and a sustainable industrial growth in the marine and maritime sectors of the area.

The group is now working on:
- the implementation of BLUEMED Strategic Research and Innovation Agenda and,
- preparing to enlarge the whole initiative to the Southern Mediterranean.
2. The bioeconomy in Italy

Turnover in 2013 (in million €)

Source: DataM-Bioeconomics, provided by the European Commission - Joint Research Centre
2. The bioeconomy in Italy

Italian participation in 2014-2015 SC2 calls

178 participations in 76 H2020 projects receiving EUR 45.7 million of EC contribution

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2. The bioeconomy in Italy

Synergies with ESIF

Structural Funds (ERDF and ESF) eligibility 2014-2020

- Less developed regions
  (GDP/head < 75% of EU-27 average)

- Transition regions
  (GDP/head between ≥ 75% and < 90% of EU-27 average)

- More developed regions
  (GDP/head ≥ 90% of EU-27 average)

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In 2016, a review process is foreseen to assess the achievements of the Bioeconomy Strategy

The review will build on a variety of inputs:

- **Experts review**
- **Stakeholders engagement**
- **Citizens engagement**
We count on EU Member States for the review of the Bioeconomy Strategy
Thank you!