









# Investing in research, innovation and skills: Driving growth in the bioeconomy

Bioeconomy in the EU: achievements and directions for the future Dublin, February 14<sup>th</sup>, 2013

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**CEFIC** 

SusChem



## Some preliminary thoughts

- creating solutions together
- Investment in research, innovation and skills = growth + jobs
- Investment:
  - Money
  - Materials
  - Brains
- H2020. Not only technology issues. Societal challenges
- Achievement of Bioecnomy Goals: INVESTMENT IN RESEARCH,
   INNOVATION & SKILLSis needed.



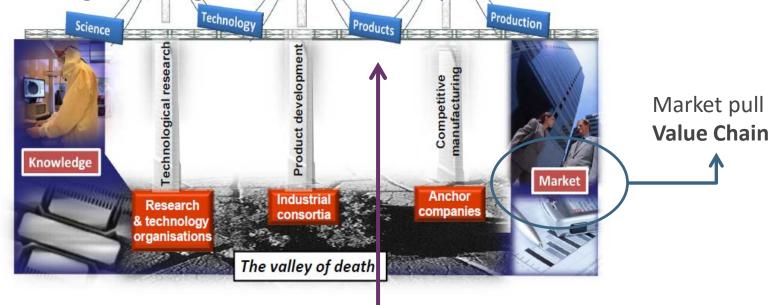
#### Innovation chain

- creating solutions together
  - EU 30% kilke & Multidiscirlinarity Beeder by harildaelluring!! pillars
  - Innovation is...
    - More than Tengo ical

Pilot deployment Pilot line

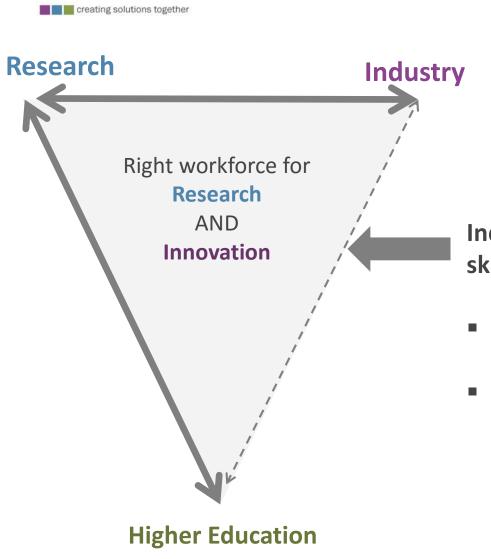
Globally competitive manufacturing facilities

- Moving from research to market
- Turning knowledge into value for society





### **Building Skills Capacity Together**





Industry and HEIs to build together the skills capacity for tomorrow

- Create synergies
- Concrete SusChem activities:
  - Dissemination good practice for introducing innovation skills into HEI courses
  - SusChem Educate to Innovate programme



#### SusChem Educate to Innovate

creating solutions together

SusChem related

**R&I projects** 

Content

#### (undergraduate / Masters level) EU HEIs Dialogue / **New Case Ideas** exchange **Development** Studies / **Innovation** & Testing to enhance **Teaching** innovation skills Resources

(chemical / industrial biotechnology)

EU **Industry** 



#### Europe is in global competition – how to get value for us?

creating solutions together

- Biobased industries will grow and became more important in the futurethey need the enabling role of industrial biotechnology and chemistry
- Need to cross the valley of death new mindset, new ways of working together, new business models
- Sustainability-based approach along the value chain
- Skills development and dissemination are crucial and need to go hand in hand (integrated) with innovation projects
- Europe will never have enough funds compared with the other global regions, so needs doing more with less- new public-private cooperation models



creating solutions together

## THANK YOU



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