

RESULTS FROM TECHNOLOGY FORESIGHT STUDY

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Round Table on Industrial Biotechnology in
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CONTENTS

- Biotechnology trends in EU
- Methodological approach for TF in Slovenia
- National Research Programme and prioritisation process
- Selection of priority technology theses
- Conclusions and recommendations for policy makers

TRENDS IN MODERN BIOTECHNOLOGY

- Biotechnology in primary production and agro-food sector
- Biotechnology in industrial production, energy and environment
- Biotechnology in medicine and health care
- Convergence with key technologies

METHODOLOGICAL APPROACH

- Participation of main stakeholders (BES, academia, public servants; sample of 399 respondents)
- Delphi survey and experts panels
- 6 thematic fields (ICT; advanced materials; biotechnology, pharmaceuticals, nutrition; industrial chemistry, environment; sustainable construction)

SELECTION OF PRIORITY THESES

- Criteria for the prioritisation process
- Proposal of promising theses:
 - synthesis of active pharmaceutical and nutrition ingredients
 - biocultures and microbes
 - downstream processes and purification in biotechnology
 - analytics and diagnostics (cell culture and therapeutic cloning, diagnostic trials)
 - assessment of delivery systems for biofarmaceuticals
 - nanomaterials
 - innovative drugs and generic drugs
 - connection of food and food borne diseases
 - food and drug design

CONCLUSIONS AND RECOMMENDATIONS

- Need for coherent policy mix (R&D domain, finance, human capital domain)
- Technology platforms and clustering
- Gap in R&D personnel in the business enterprise sector and efficiency of R&D expenditures