



Roadmap for Research and Innovation in Health Technology



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TECHNOLOGIES FOR HEALTH



🌍 Focus on:

🌍 Medical Devices

🌍 E-Health



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- Diversity, Complexity
- 10,000 categories
- 90,000 – 1,500,000 products
- Total Market in Europe: € 100 billions (1/3 of the global market)
- High proportion of SMEs (95%)
- Employs 500,000 people





E-Health



Domain	2016	2020
Tele-Health	4. 5 Billions \$	6. 3 Billions \$
Mobile Health	24. 2 Billions \$	55. 9 Billions \$
EH Records / EM Records	24.8 Billions \$	29 .1 Billions \$
Wireless Health	59. 7 Billions \$	103. 2 Billions \$
Others	22. 6 Billions \$	38. 9 Billions \$
Total	135. 9 Billions \$	233 Billions \$



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Lack of structuration

Frontier e-Health/DM is blurred



Objectives of the Project



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OBJECTIVES



PHASE 1

- Map existing national and European funding bodies and programs for research & innovation on MDs and e-health
- &
- Identify existing gaps and barriers hindering the “idea-to-market” process

PHASE 2

- Propose a ROADMAP and a STRATEGY PLAN to overcome gaps and barriers



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Mapping over Europe



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Gathering information

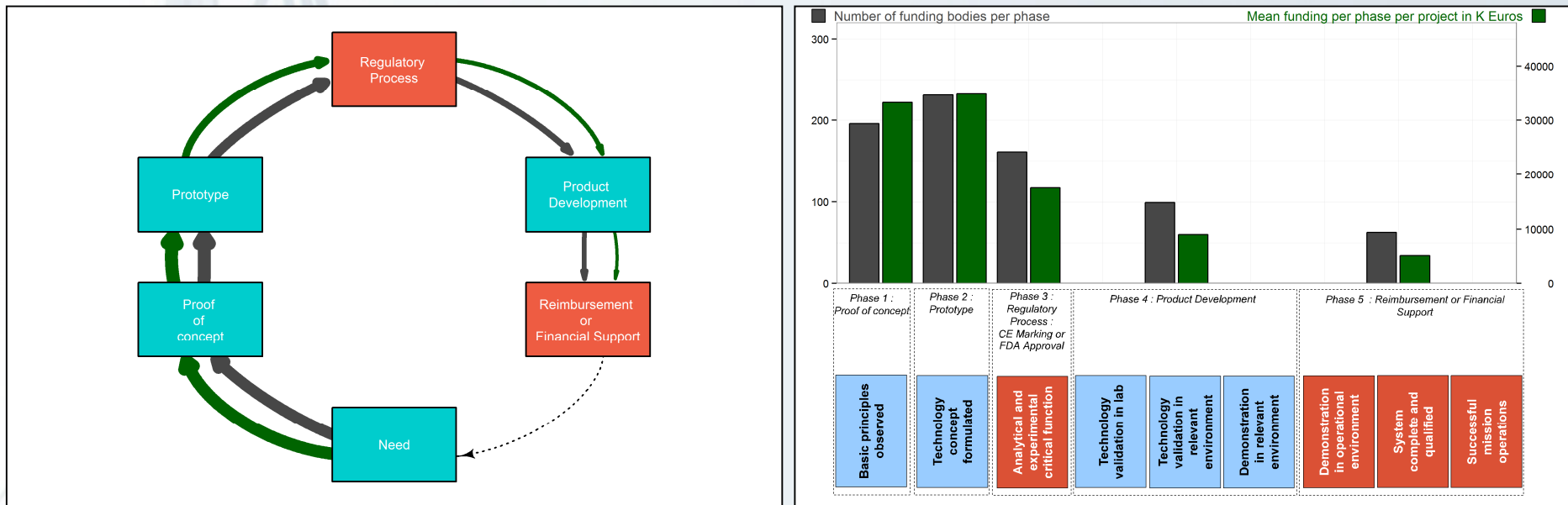


Detailed funding information for
266 European funding opportunities,
14 Australian, 15 Canadian



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Funding of the different phases in Europe



GAP 1: Lack of common and well shared definitions and classifications of Medical Devices and eHealth

GAP 2: Limited Calls for Proposal and Projects on Healthcare Technologies

GAP 3: Limited number of multidisciplinary projects

GAP 4: Regulation: lack of knowledge; shortage of experts; differences between countries

GAP 5: Problems with Patents and Intellectual Property Rights

GAP 6: Limited regard of applied and translational research on the evaluation of researchers and academics

GAP 7: Difficulties in the Process of Technological Transfer

GAP 8: Too late Involvement by industry too late in the process

GAP 9: Methodological difficulties and limited funds for clinical trials in Healthcare Technology

GAP 10: Difficulties in obtaining reimbursement

GAP 11: Lack of education

GAP 12: Recognising the importance of Usability / User experience / Usages / Ergonomics

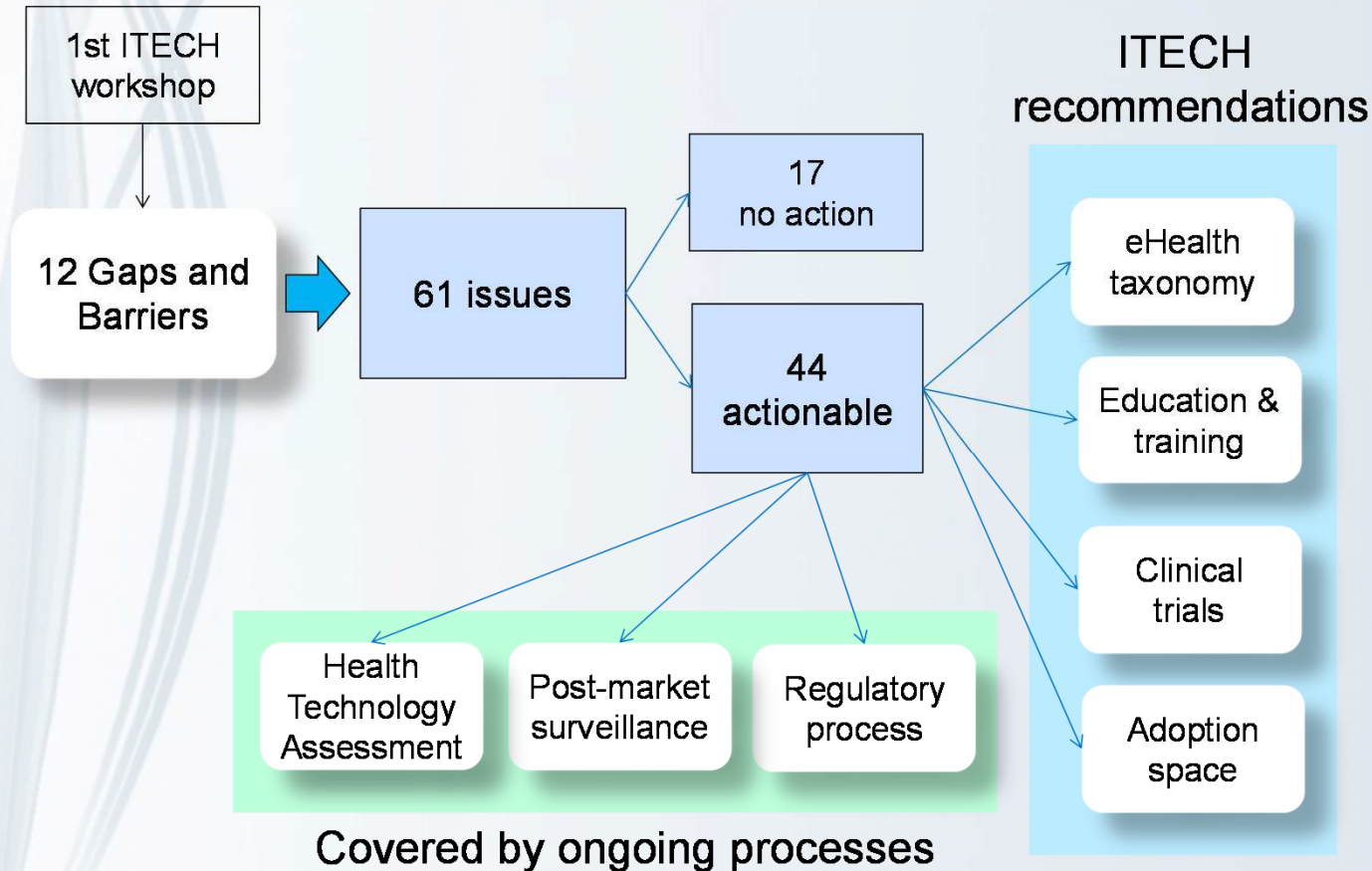


Road Mapping and Recommendations



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Identification of 7 actions, 4 recommendations





4 recommendations



- Support the usage of existing nomenclatures; develop a E-Health Taxonomy
- Develop Education and Training in the field of Health Technologies
- Support Clinical Trials for Medical Devices and eHealth
- Adoption Space



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WHAT'S NEXT?



- ✿ Take into accounts your remarks, comments, discussions (that will be recorded)
- ✿ Reactions and comments of the industrials
- ✿ Future actions to be proposed during the discussion
- 📅 February 2016: Final report in Recommendations and strategy



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Thank you for your attention



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ASSOCIATED PARTNERS



- 24 « Contact nodes »: 22 in Europe + Australia (Paul Turner) +Canada (André Kushniruk)
- Networks: CIC-IT, CIBER-BBN, ECRIN (clinical research), Human Factors Engineering (HFE-HI Network)
- International Organisations: Industry Associations, EAMBES (European Alliance for Medical and Biological Engineering & Science)



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