

i~work : Research Questions of Interest to the Cambridge EDC



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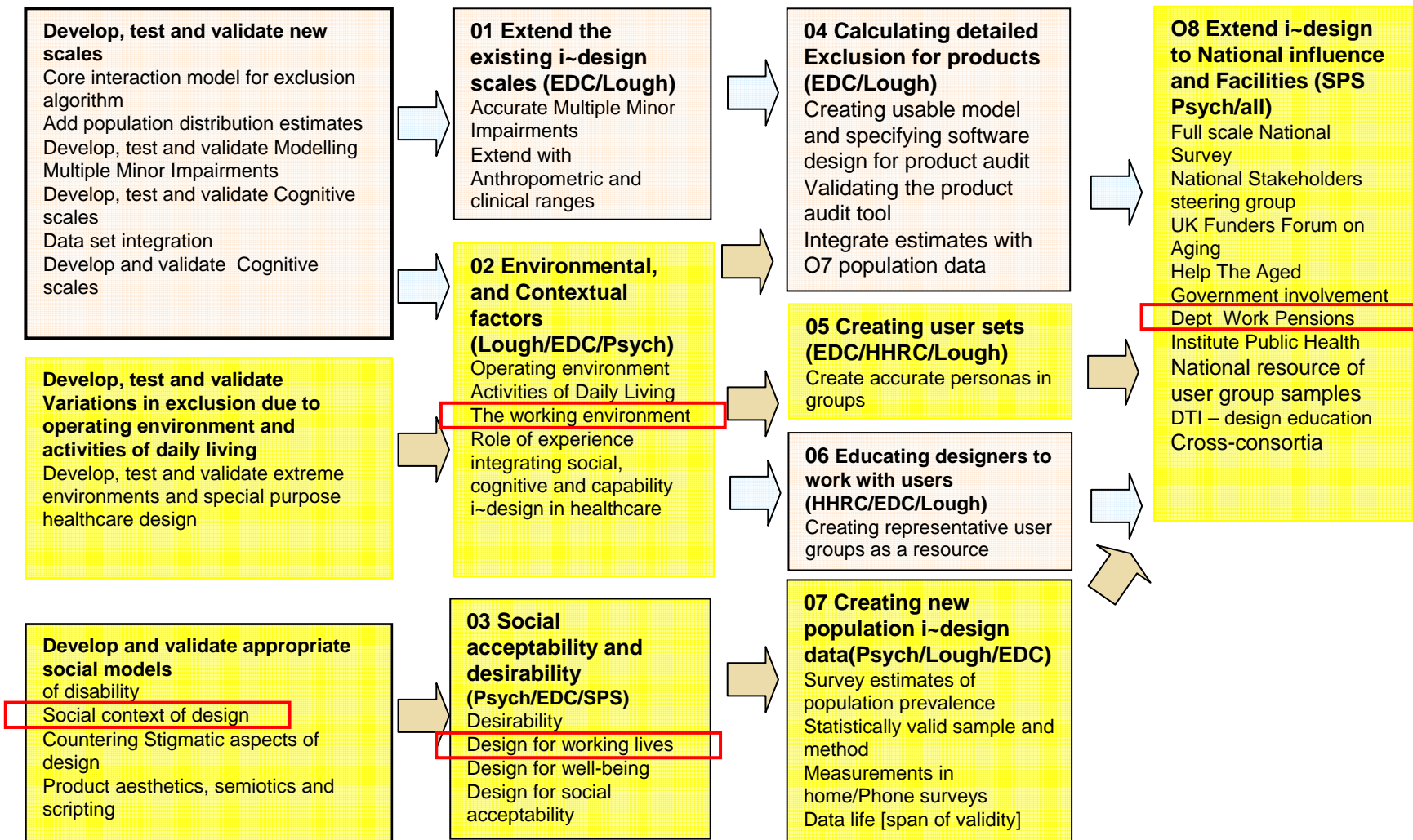
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Extending Active Living Through More Effective Inclusive Design



Principal Aims

- Extension of inclusive design theory and methods to the design of working environments and to work tasks and culture
- The synthesis of workability and social and economic theories of work with the principles and methods of inclusive design in the context of a number of case study exemplars

For example:-

Work Culture

Work Culture

- understanding the social context of the use of workplace products and the capabilities, preferences and lifestyle of an ageing workforce
- Understanding the needs of employers in implementing inclusive working environments and developing formats, incentives and techniques for guidance to support these.
- collecting National data about capability in employment, social factors and workability
- Monitoring and assessing the relative effectiveness of inclusive changes in work

Work Design

Work Design

- The collection of data about workers and theory of inclusion to repetitive and/or physically or mentally demanding tasks
- Researching effective application of users and user data to products and tasks in job and workplace design
- Closer integration of anthropometric, capability and social data to support inclusive design of work
- making available appropriate data, methods and user data to support and encourage more inclusive design and employment
- Monitoring and assessing the relative effectiveness of inclusive changes in work and worker

Workspace Design

Workspace Design

- Improved calculation of detailed exclusion for product development for the workplace and task activities
- accurately calculating the population prevalence of impairments and creating new data sets for inclusive design of inclusive workspaces and work design
- with partners Helen Hamlyn Centre applying findings in i-design to developing new design approaches and techniques for creating attractive, desirable, usable inclusive workplaces
- Monitoring and assessing the relative effectiveness of inclusive changes in workplace and worker

Deliverables

Tools and guidance :-

- Extend the existing i~design scales to work
- Design the working environment for inclusion (calculating exclusion)
- Design the social acceptability and desirability of work
- New population i~design data for the working population
- New user sets for workers and workplace
- Case studies and exemplars e.g. healthcare systems design

