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**- SEED Agenda 2000 -**

**Measurement based , ' person - centred ' field data  
on the real building performance of public housing**

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**Abstract and Introduction :**

'SEED' Sustainable Energy-efficient Environment-friendly Development is a concept which has brought together for the first time three separate areas of concern, and crystallizes the single idea that building energy performance cannot be evaluated in isolation from interrelated human and environmental factors.

Allied to this working concept, the construction of a coherent philosophy, based on first principles and derived from interactive consultation with building users and the detailed observation / measurement of real building performance, has been a large factor in achieving effective results from a recent major study of public housing in Dublin, Ireland.

This paper shows the resultant range / quality of the project observations and thermal comfort measurements in accordance with **EN ISO 7730 : 1995**<sup>[1]</sup>. Infra-red thermography (8 to 12 micron band) was of critical importance in understanding the real performance of each building and in suggesting new lines of investigation. Also illustrated are the results of an in-depth questionnaire survey with tenants on their own 'comfort'. Finally, a strong linkage between energy efficiency, socio-economic status and health is demonstrated.

'SEED Agenda 2000' has important implications for public housing policy throughout Europe, and energy practice generally.