

## **Brief report of the ENHR – Workshop on Sustainable Transformation, the merger of interests**

Tuesday 21 June 14:00 - 17:00h – Court Room

### **COORDINATORS:**

prof. Anke van Hal MSc PhD (Professor Sustainable Housing Transformation at Delft University of Technology and Professor of Sustainable Building and Development at the Center for Sustainability of Nyenrode Business University, The Netherlands ), and Ir. Kristel Aalbers (Delft University of Technology, The Netherlands)

### **GENERAL THEME DESCRIPTION:**

Due to climate policy many countries have committed themselves to goals concerning CO2-reduction and energy saving. In this perspective the building industry has its own responsibilities. Energy performances of new buildings are getting better and better as legislation gets more demanding. The focus on sustainability in the past years has led to many new concepts for new buildings. We are capable of creating cradle to cradle concepts and energy producing buildings. The yearly building production in The Netherlands is only 1 to 2% of the total building stock though. About 60% of our dwellings were built between 1950 and 1980. Sustainability was no issue those days. Large scale demolition and construction of new houses is not an option, because we would have to replace the largest part of our dwellings. So the big challenge will be sustainable transformation. This workshop focuses on the opportunities and problems concerning sustainable transformation of housing and commercial and industrial building. In this workshop we will look at the most urgent questions regarding this topic

### **WORKSHOP SET UP:**

In this workshop all paper writers are asked to present their paper in Pecha Kucha style.

Pecha Kucha is a presentation methodology to organize the presentation order of an event. A Pecha Kucha events consist of around a dozen presentations, each presenter having 20 slides, each shown for 20 seconds. Each presenter has just 6 minutes 40 seconds to explain their ideas before the next presenter takes the stage. Conceived as a venue through which young designers could meet, show their work, exchange ideas, and network, the format keeps presentations concise, fast-paced and entertaining.

All paper writers were asked to end their presentation with one related urgent question the paper writer would like to be answered during the workshop session. All Pecha Kucha presentation slides are enclosed.

After all nine Pecha Kucha presentations the discussion took place in 2 rounds with 2 sub rounds. During these rounds each paper writer acted as discussion leader. In the first round the papers of Amira Osman, Sylvain Laurenceau, Milly Tambach and Kees van der Flier were discussed.

In the second round the papers of Merve Bedir, Graham Kelly, Christian Thuesen, and Aart Schaap were discussed. Pictures of these sessions are enclosed.

At the end of the workshop all paper writers gave a brief presentation in 2 minutes maximum in which he or she presented the most relevant answer the group discussion rounds yielded.

The results were presented on large papers (enclosure).

Using the Pecha Kucha method followed by two discussion rounds, receiving all papers by mail in advance and being able to prepare oneself before the workshop worked well. The workshop session was experienced as a fruitful and vibrant afternoon.

**PROGRAM:**

14:00	Introduction	Pecha Kucha of 8 papers. As a kick-start, the first Pecha Kucha presentation will be held by Anke van Hal.
15.00	First round on housing	Probing discussion in 4 groups maximum about 4 of the urgent questions related to housing. Paper writers of the 4 papers act as discussion leader of the discussions.
15.20	Second round on housing	In depth discussion in 4 different groups maximum about the same 4 urgent questions related to housing. Paper writers of the 4 papers act as discussion leader of the discussions.
15.40	Short coffee & tea break	
16.00	First round on commercial and industrial building	Probing discussion in 4 groups maximum about 4 of the urgent questions related to commercial and industrial building. Paper writers of the 4 papers act as discussion leader.
16:20	Second round on commercial and industrial building	In depth discussion in 4 different groups maximum about the same 4 urgent questions related to commercial and industrial building. Paper writers of the 4 papers act as discussion leader.
16:40	Brief presentation and discussion	Each paper writer presents the most relevant answer the group discussion rounds yielded in 2 minutes maximum.
17:00	Closing & Drinks	

**WORKSHOP PARTICIPANTS:**

**Kick of Pecha Kucha:**

- APPROACHES TOWARDS A SMART & SPEEDY IMPROVEMENT OF THE IN SERIES DEVELOPED POST WAR HOUSING STOCK - *Anke van Hal, Leonie van der Steen, Eefje van der Werf*

**Papers on housing:**

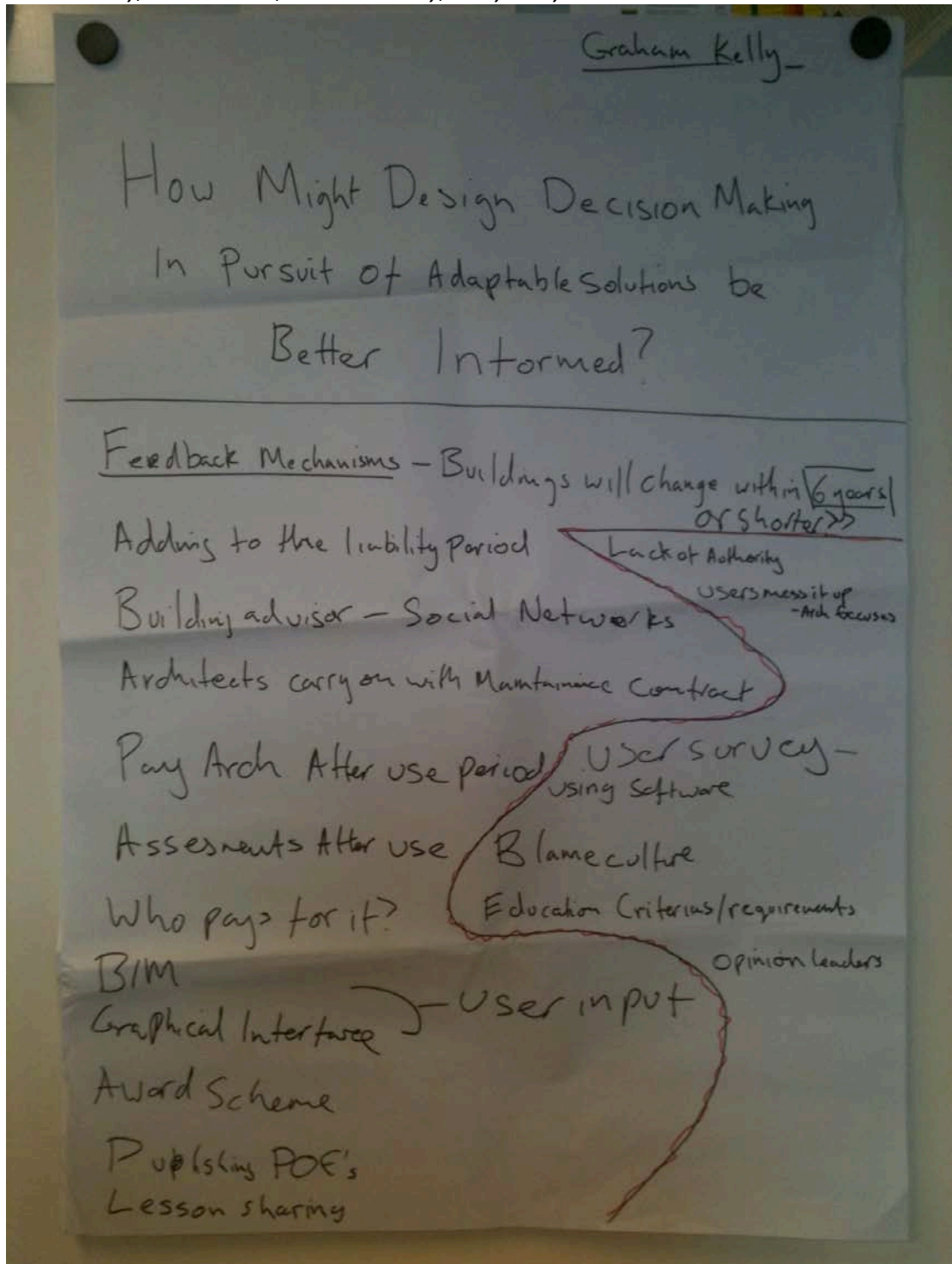
- ARE OPEN BUILDING PRINCIPLES RELEVANT IN THE SOUTH AFRICAN HOUSING SECTOR? CSIR INVESTIGATIONS AND ANALYSIS OF HOUSING CASE STUDIES FOR SUSTAINABLE BUILDING TRANSFORMATION - *Amira Osman, Pieter Herthogs, Calayde Davey*
- IMPACT OF PUBLIC SUBSIDIES ON HOUSEHOLD INVESTMENT DECISION IN ENERGY EFFICIENCY ACTIONS - *Sylvain Laurenceau, Celine Varenio*
- BETWEEN MARKETING AND FINANCIAL SUPPORT: DUTCH MUNICIPAL POLICY INSTRUMENTS TO IMPROVE THE QUALITY OF PRIVATE HOUSING STOCK - *Milly Tambach, Frits Meijer, Henk Visscher*
- UPGRADE OR REPLACE? Obsolescence and its influence on demolition decisions from a sustainable viewpoint. - *Andre Thomsen, Kees van der Flier*
- EXPLORING ROBUSTNESS OF ENERGY PERFORMANCE OF DWELLINGS TO OCCUPANT BEHAVIOUR: RENOVATION AND POST OCCUPANCY - *Merve Bedir, Gulsu Ulukavak Harputlugil, Laure Itard*

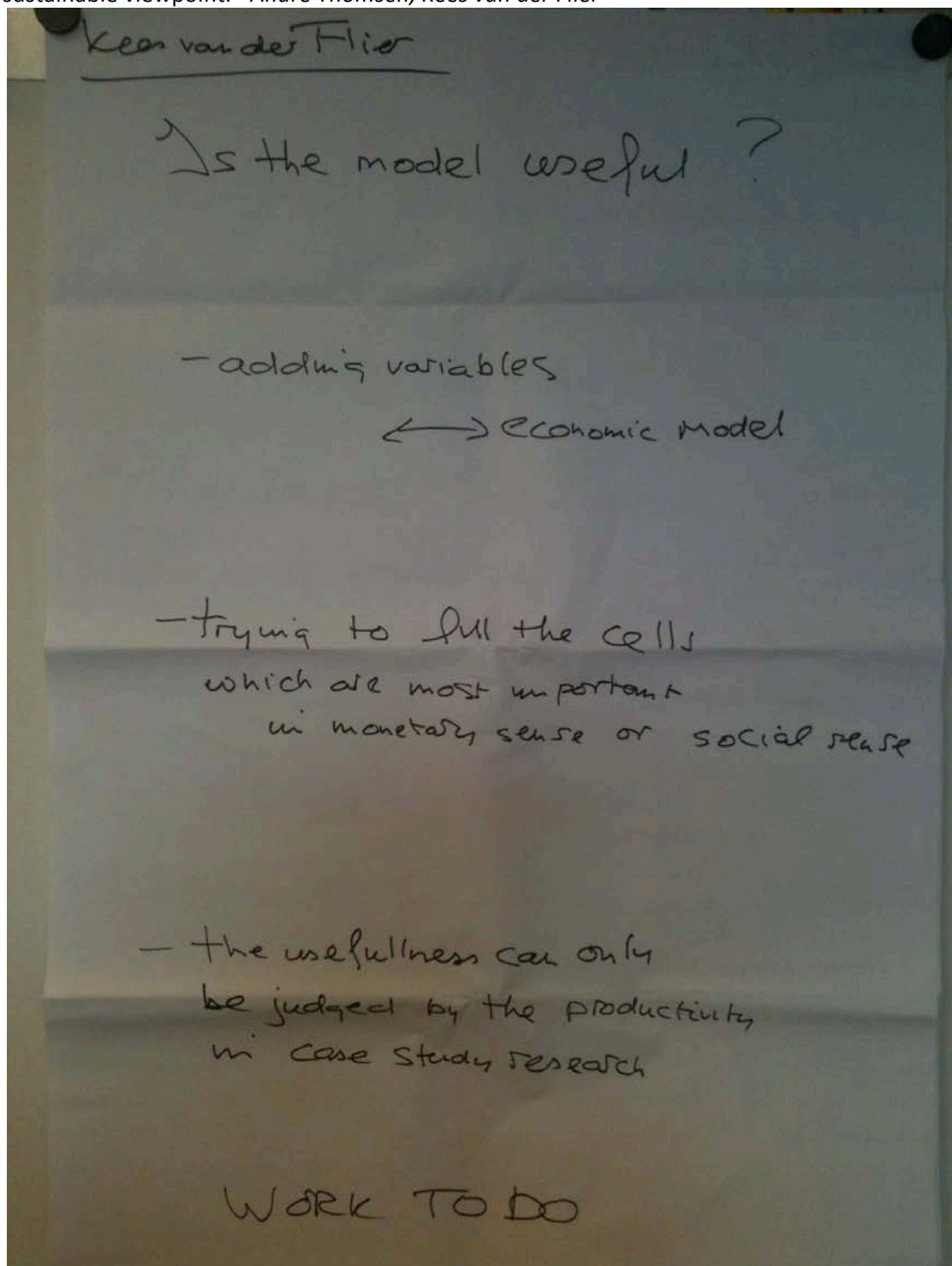
**Papers on commercial and industrial building:**

- IMPROVING THE DESIGN OF ADAPTABLE BUILDINGS THROUGH EFFECTIVE FEEDBACK IN USE - *Graham Kelly, Rob Schmidt, Andrew Dainty, Vicky Story*
- DRIVING SUSTAINABLE INNOVATION IN CONSTRUCTION COMPANIES - *Christian Thuesen, Christian Koch*
- CONFLICTING FLEXIBILITY - *Peter de Jong, Aart Schaap*

Enclosure: Presentation papers with results of the discussion rounds

IMPROVING THE DESIGN OF ADAPTABLE BUILDINGS THROUGH EFFECTIVE FEEDBACK IN USE -  
Graham Kelly, Rob Schmidt, Andrew Dainty, Vicky Story





Aart /  
Peter

# HOW TO SHAPE

A Demand driven

system in social context?

- \* CARE
- \* pad afhankelijkheid. PATH ~~FROM~~
- \* Draagvlak....
- \* Developer : interesting offers.
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