



WS-number:

1

WS-titel:

Sustainable Architecture



2 sentences about the workshop in general.

Both presentations were stressing that integrated design approach in a holistic process is needed to create sustainable architecture.

Walter Unterrainer underlined the fact that nobody asked if the roof construction is sufficient – we expect it to be okay. I should be the same about sustainability, but it's not so in most architecture of today.

The presentations of workshop no 1 did demonstrate that skilled architects can create beautiful sustainable architecture.



3 conclusions from the workshop on "How to make sustainability attractive".

- Liveability is a good word for the quality we need – and it will always include sustainability and universal design.
- Sustainability is an integrated part of quality of space – not something you could add.
- Using your senses is very important - architecture touching your senses is attractive



WS-number:

2

WS-titel:

Climate Change Communication



2 sentences about the workshop in general.

The first speaker pointed out the importance of media in climate change communication and presented 10 tips on how to communicate through the media.

The second speaker presented a new model for communication that is based on strengthening good behavior and making it easy to do the right thing.



3 conclusions from the workshop on "How to make sustainability attractive".

- Keeping climate change high on the agenda by exploiting the power of media
- Pointing out the benefits on a personal level – health, money, time, safety etc.
- Making it easy to do the right thing



WS-number:

3

WS-titel:

Management and operation
of Sustainable Buildings



2 sentences about the workshop in general.

We talked about sustainability in the sense of management and operation of buildings and the importance of good management.

The discussion was about the barriers that need to be tackled.



3 conclusions from the workshop on "How to make sustainability attractive".

- Educate tenants and operation staff
- Use computerised monitoring but do not make it too complex, decrease fault detection time and time to make actions
- Take initiatives, motivate and be transparent.



WS-number:

4

WS-titel:

Public Private Partnership in
the Energy Sector



2 sentences about the workshop in general.

Three initiatives of different Public Private Partnerships (PPPs) in the Energy Sector were presented; on District Heating from a Pulp-Mill, on CO₂-neutral production plants and on different housing projects within Malmö and Järfälla municipalities.

This was followed by a general discussion between presenters and the workshop participants on the reasons for PPPs, how they work and what benefits (and difficulties) that can be experienced.



3 conclusions from the workshop on "How to make sustainability attractive".

PPPs contribute to making sustainability attractive:

- By being win-win solutions from both environmental and financial perspectives and for all partners involved.
- By providing symbolic acts and demonstration objects to show that it is possible with sustainable projects, which in turn are good for publicity since they tell "a good story".
- By providing solutions that work in a local context and that involve several actors.



WS-number:

5

WS-titel:

Renewable Energy System



2 sentences about the workshop in general.

Renewable energy systems from England and what have to be done to reach zero CO2 emission homes until 2016.

How combined heat and power based on natural gas and biomass could be a great part of the energy solutions for Europe.



3 conclusions from the workshop on "How to make sustainability attractive".

- Renewable energy systems have to be developed in collaboration between regulators, building industry and energy suppliers to be crucial for moving forward and to resolve all barriers.
- Cogeneration of heat and power based on biomass and natural gas.
- Potential of biomass is 10-15 % of the total energy consumption given the assumption that Europe continuously should be self-supporting in producing food.



WS-number:

6

WS-titel:

Sustainable Building Design
– Developing the Concept



2 sentences about the workshop in general.

John Kunz explained the model of Integrated Concurrent Engineering (ICE) which enables a much more time efficient design process through interactivity on the levels of Project, Organization and Process.

He exemplified the model with interactivity with the participants and showed how this method makes it possible to early on in the design process foresee problems and latencies.



3 conclusions from the workshop on "How to make sustainability attractive".

- Multidisciplinary specialists should work together as they then can get exceptional results – none of us can be experts in all fields.
- Conceptual design provides the best opportunity to impact Sustainable Building – which is very hard.
- Very rapid integrated multi-stakeholder methods enable good conceptual design for Sustainable building.



WS-number:

7

WS-titel:

How to increase
accessibility without
increasing the use of cars



2 sentences about the workshop in general.

The delegates had common knowledge and agreed on success factors and measures needed to gain a sustainable and attractive transport system – and by that making cities attractive as well.

The discussions in our two groups showed similar approaches and thoughts about tools needed and how those tools can work side by side for best results – it's a combination of city planning, physical investments, Mobility Management, regulations etc.



3 conclusions from the workshop on "How to make sustainability attractive".

- We need politicians with will and courage, daring to take action, and we need cooperation between city and traffic planners for a holistic approach.
- We need to give higher status to sustainable transport modes when planning the city - by giving priority to and making the function and infrastructure for walking, biking and public transportation more attractive than for cars.
- We need to work with Mobility Management – soft measures - promoting sustainable transport modes, changing behavior among individuals, and thus making the city cleaner, healthier, less noisy and by that...more sustainable and attractive.



WS-number:

8

WS-titel:

Sustainable Building in the
North Sea and Baltic Region



2 sentences about the workshop in general.

Energy consumption does play a key role, but the focus on energy performance endangers other aspects of sustainability.

Resource consumption: Existing buildings are the capital that we can work with, this is the stock we need to manage.



3 conclusions from the workshop on "How to make sustainability attractive".

Sustainable attractiveness is not equal to aesthetical attractiveness: Reuse/Recycle construction material to internalise the resource cycle in urban development.

The holiday homes we go to in France and Sweden are built using local material: sustainability aspects adapted to local conditions.

Attractive due to transferability: Past sustainable building projects are attractive as they act as lighthouse projects, they show what is possible and convince decision and policy makers.



WS-number:

9

WS-titel:

Urban vegetation as a
means for climate
adaptation



2 sentences about the workshop in general.

Urban vegetation systems, and especially green roofs, were discussed as examples of measures to positively influence urban local climate.

Climate change is expected to increase both heat wave and heavy precipitation problems in cities and green roofs may decrease some of the problems but is not a sufficient solution to all problems.



3 conclusions from the workshop on "How to make sustainability attractive".

- Green roofs and fasads are attractive to most people.
- Problems with roots, risk of fires etc can be overcome.
- There are cost benefits (green roofs protects membrane so it lasts longer, isolates cold periods and cools by evaporation during warm periods and gives cause to less drainage water).



WS-number:

10

WS-titel:

Urban planning



2 sentences about the workshop in general.

The importance of integrated planning approaches was emphasized by both lecturers and audience.

The wide span of different fields of expertise that is needed for urban planning was put into focus.



3 conclusions from the workshop on "How to make sustainability attractive".

- Highrise landscapes of tall buildings is not the preferred European solution – green dense urbanity is an alternative.
- Political decisions, legislation and financial incentives are necessary for success.
- All aspects of sustainability have to be integrated and handled. The aim is to create cities where health is improved and where human wellbeing and community feeling is highlighted.



WS-number:

11

WS-titel:

A Future without Oil



2 sentences about the workshop in general.

The input from the two invited speakers* covered attractive solutions for a future without oil that covered everything from bottom-up incentives on a local/regional level like the biogas cooperation in Skåne (Biogas Syd) the Swedish incentive to be independent of oil to the global perspective and the enormous challenges of energy demand in China, India and other emerging economies.

Many intelligent solutions was suggested by the audience in the workshop discussion. More students in this kind of conferences!

*Anders Nylander, Skåne Energy Agency and Hans Nilsson, FourFact



3 conclusions from the workshop on "How to make sustainability attractive".

- Attractive means also to avoid the unattractive. The free choice of customers could be dangerous! Guns and drugs are banned – **Ban unsustainable energy solutions!**
- **CO₂-accounts for all citizens globally!** A democratic solution – The “super sized countries” must reduce and the poor countries get the freedom to develop to the same (sustainable) level as the western countries.
- **Deepen incentives!** - People need more than one reason to make profound changes of habits. Economy could be one but also e.g. moral satisfaction. Some values may have to be “revaluated” and simple life not to be stigmatised.



WS-number:

12

WS-titel:

Sustainable Healthcare



2 sentences about the workshop in general.

- Sustainably designed hospitals improve patient outcomes. Studies has shown they contribute to shorter hospital stays, lower medicinal need and improve patient satisfaction.
- Success of Providence Newburg was due to the committment of the entire project team and their determination to enhance the buildings environmental performance throughout the entire design and construction period.



3 conclusions from the workshop on "How to make sustainability attractive".

- Sustainable design for healthcare projects can benefit from governmental regulation initiatives.
- Take advantage of all incentives available to offset initial cost.
- Consider the lifecycle value of sustainable features (a small capital investment can return significant lifecycle benefits).



WS-number:

13

WS-titel:

How to reduce goods
deliveries without reducing
goods



2 sentences about the workshop in general.

Given the presentations and the delegates own experience, the following question was reflected upon individually and then discussed in small groups:

What are the most critical success factors – or barriers – for reducing goods deliveries without reducing goods?

The results should also address the issue of making sustainability attractive.

The level of committment was very positive among the workshop participants! Good work!



4 conclusions from the workshop on "How to make sustainability attractive".

- A city planning aiming for a **flexible city infrastructure** allowing for multi-use functions (including public transport for freight – not only passengers!), combined with new forms of regulation and enforcement to ensure ecoefficiency and good results.
- **"Consumer logistics"** – a higher level of awareness and ethics to spur a change in consumer behaviour and demand in the long term.
- **Complexity is beautiful!**
- Any incentive or measure that saves money while safeguarding the environment sells itself. Money matters and so does sustainability!



WS-number:

14

WS-titel:

Urban Integration



2 sentences about the workshop in general.

Of 450 participants at a conference heavily dominated by the ecological and economical aspects of sustainability at least 19 emphasised the significance of the social aspects by choosing to attend the workshop on urban integration. Three lecturers presented initiatives on how to combat social exclusion and the most general characteristic of the many contributions to the subsequent discussion was a support for a bottom-up perspective in order to make the initiatives successful, thereby achieving a sustainable urban integration and social cohesion.



3 conclusions from the workshop

1. How could we know that the efforts presented have been successful?

We couldn't without asking the people concerned

2. What kind of indicators are needed to prove their sustainability?

Indicators of the health impact in all aspects, quantitative as well as qualitative

3. And how could the relevant stakeholders be involved in the definitions of the indicators as well as the implementation of monitoring systems?

Those who regard themselves as stakeholders have to get the opportunity to acquire the knowledge needed in order to take part in a process which starts by defining why it's important to involve them



WS-number:

15

WS-titel:

Education for sustainable
development in cities



2 sentences about the workshop in general.

More than 40 had signed up but only some 20-30 turned up. That felt a little disappointing.

Interesting discussions where very divergent ideas were expressed.



3 conclusions from the workshop on "How to make sustainability attractive".

1. Regarding a common understanding of the concept of Sustainable development we had inputs about how this concept is influenced by culture, political and historical aspects. **We arrived at the importance of talking about the challenges of the concept.** To find a definition is just as little contributing as leaving it to total relativism.
2. We discussed the role of children in education – could we stress them with talking about the negative sides of environmental problems? Again the different cultures were put forward as children's work is relevant in some countries but forbidden in others. **We came up with the importance of including all minority groups as agents in education/learning.** We also talked about the importance of transforming the education situation where teachers and pupils have new roles as agents finding ways of working for sustainability.
3. Finally we discussed how to motivate politicians, pupils etc. **Participation based on giving value to the experiences and knowledge of the participants is crucial to empowerment.** If a person is allowed to be an active productive agent instead of a passive consumer this will strengthen their ownership.



WS-number:

16

WS-titel:

Sustainable Building

Design – Tools to Improve
Sustainability



2 sentences about the workshop in general.

Many different environmental assessment tools for buildings has been developed during the last decade with different structure and focuses.

For the workshop three different tools have been used to assess one specific building. The methods and the assessment results were compared and discussed.



3 conclusions from the workshop on "How to make sustainability attractive".

- **Make the sustainability aspects of the building *visible* for example by presenting sustainability indicators for the building** as kWh/m², CO₂/m², user/m², kg house/m², heat loss factor, daylight factor, sound insulation class. This has for example been made for buildings in the Bo01 area.
- **Adapt** tools to different target groups/user groups. Make the tools **user-friendly** and **transparent**. Link the assessment tools to other tools used in the building process.
- **Involve and engage the building users in the process of making the buildings sustainable. Inform** the building users clearly about the environmental status of the building, for example by posting notices in de building. Make the connection to health aspects visible.



WS-number:

17

WS-titel:

Sustainable Lifestyle



2 sentences about the workshop in general.

Annika Carlsson-Kanyama started out by presenting recent research on environmental impact caused by lifestyle choices.

John Higson, Johanna Ståhl and Anette Löf inspired the audience by sharing their experience from their sustainable lifestyle oriented projects such as grassroot involvement, the publication of a lifestyle magazine and a youth project.



3 conclusions from the workshop on "How to make sustainability attractive".

- Provide a stage for established largescale actors, combine with platforms for small scale actors and the public.
- Have fun, network, educate – make it fashionable and visible!
- "Be the change you wish to see in the world" – Mahatma Gandhi