

STBA

SUSTAINABLE TRADITIONAL
BUILDINGS ALLIANCE

Beyond Covid

Current Projects

BEIS TEIF – Melin Homes
BEIS SMETER – Passiv Systems
PAS2035 / 2030 Review
PAS2038

SHDFD – BEIS / Ricardo
UCL- Turkey
SERO - Wales Optimised Retrofit



Future Direction

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What do our solutions look like?



Regeneration vs Retrofit

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LONG-TERM - The importance of balancing short term needs with the need to safeguard the ability to meet long term needs, especially where things done to meet short term needs may have detrimental long term effect.



PREVENTION - how deploying resources to prevent problems occurring or getting worse may contribute to meeting the body's well-being objectives, or another body's objectives.



INTEGRATION -the need to take an integrated approach, by considering how the body's well-being objectives may impact upon each of the well-being goals, on their other objectives, or on the objectives of other public bodies.




COLLABORATION - how acting in collaboration with any other person (or how different parts of the body acting together) could assist the body to meet its well-being objectives, or assist another body to meet its objectives.



INVOLVEMENT - the importance of involving other persons with an interest in achieving the wellbeing goals and of ensuring those persons reflect the diversity of the area which the body serves.

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Level	Description	Concerns / Risks	Scope for use
Every part of the house	Multiple technical measures in a "pick & mix" approach (eg the Green Deal.)	No understanding of effects, ignores occupant engagement, monitoring, feedback, heritage risks. Multiple unintended consequences.	<div>Planning responsible retrofit of traditional buildings</div> 
Insulation of all walls	Improved thermal coherence and air tightness on external walls. This approach is promoted by many in the EWI industries.	Impossible on corner walls. Only partial integration of measures. Connective effects, systemic effects and occupant engagement. Risks to Quality and Heritage.	
Whole House Minimum (WHM)	Insulation and airtightness/ thermal coherence of whole building shell (ie walls roofs floors and windows/doors) plus effective ventilation.	Assumes that technologies are available. Does not address uncertainties, behavioural changes, renewables etc. Temperature may occur in competition with heritage risks.	
Whole House Plus (WHP)	Integration of all services and occupant behaviour, plus maintenance and feedback in a broader programme.	Requires additional education, training, skills, different funding, changes to standards and a knowledge feedback mechanism. No community context, so heritage risks and lost opportunities.	Can be applied at scale on low/ mid risk properties. Avoid heritage buildings and conservation areas.
Whole House Advanced (WHA or Responsible Retrofit)	As WHP plus integration of heritage and community context, including district schemes for renewable energy, local employment.	Needs a completely new approach from government. Challenge of different values and a framework for resolving value conflicts and priorities will be needed.	Can be applied widely to all building types.



From Whole Building to Regeneration



Whole House Advanced



Regeneration agenda

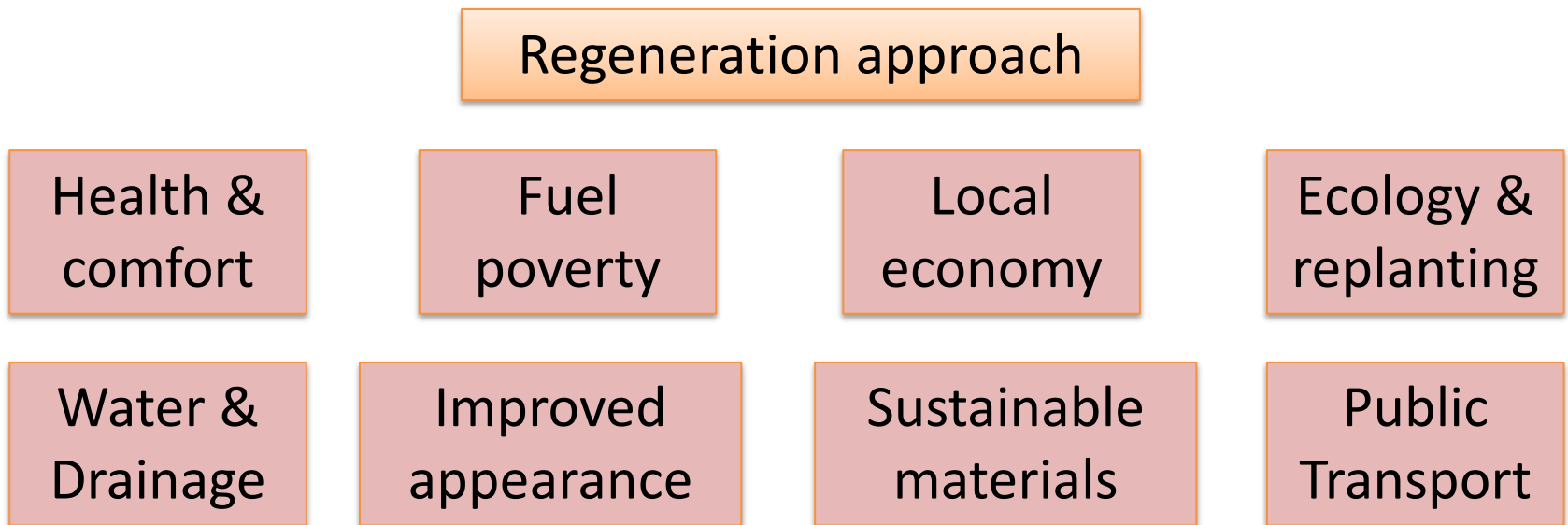
Provide local employment AND skills
Cleaning and Re-greening the environment
Energy efficiency, water, drainage, local facilities
Local energy networks & generation
Recycling, car sharing, garden sharing
Community-led decision-making

Eliminates the conflict between heritage and sustainability

What are we trying to achieve?



- a) Carbon emissions reductions, in use, at any cost?
- or
- b) A sustainable future for people and the environment?



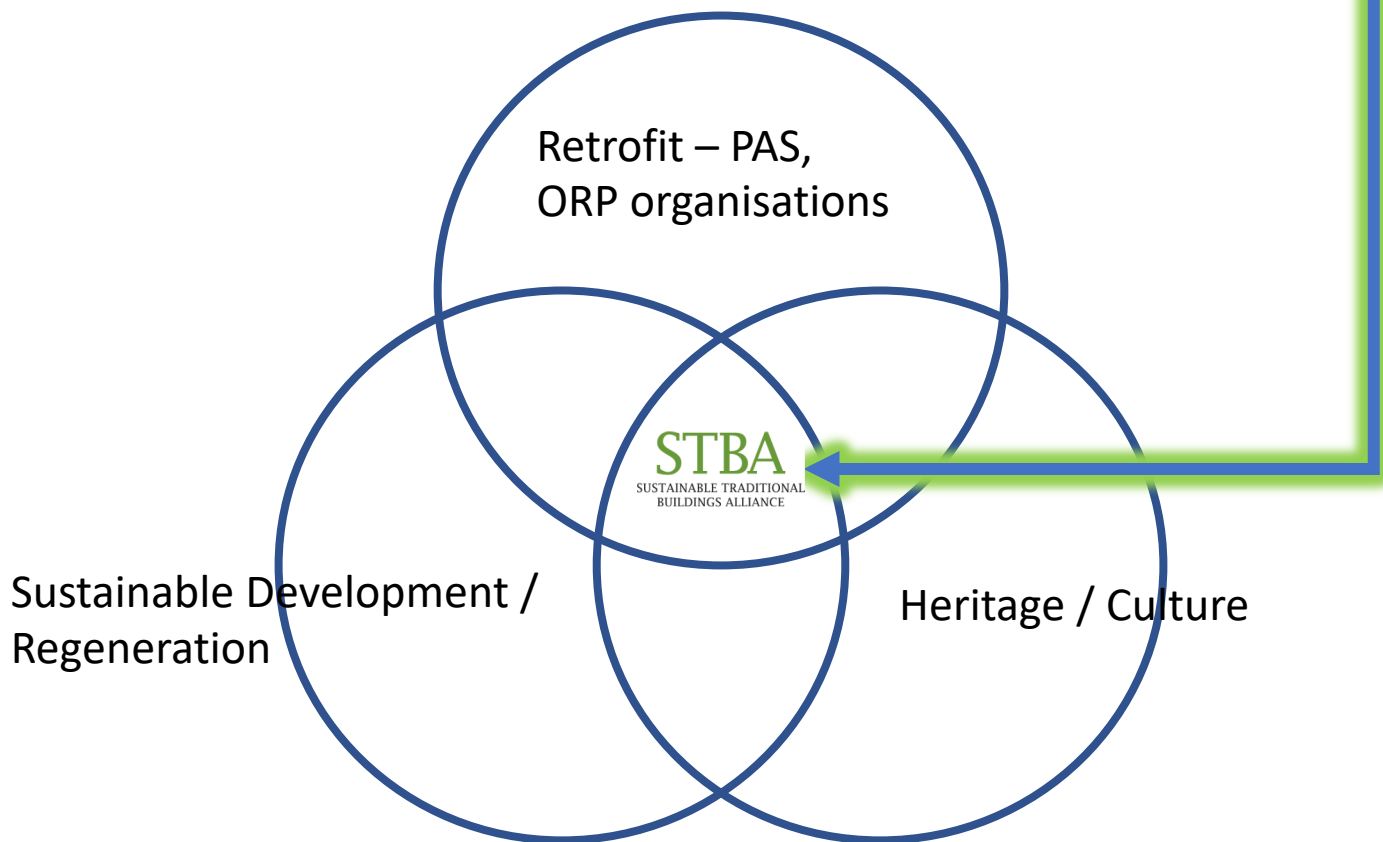
Look up: “the 15 minute city”



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WHY



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WHAT

UK Centre for Retrofit in
Traditional Buildings

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Survey tools (from BEIS TEIF Melin)



Decision trees (from BEIS TEIF Melin)



Embodied carbon tools (to be developed in partnership)



Palette of measures (to be developed in partnership)



Monitoring / Evaluation tools (to be developed in partnership)



‘Approved’ professionals ? (to be decided in partnership)

Others???

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WHEN

asap

Government pressure growing
Climate change
Damage to heritage

WHO

PAS / ORP requires guidance for
emerging new industry

Home owners

PRS market

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WHERE

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All Categories



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GUIDANCE WHEEL

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GETTING STARTED ABOUT GLOSSARY REPORT

► Colour key

► Building context

Wall

External Wall insulation

Application of an insulation material and a weather-protective finish to the outside of the wall

ADD TO LIST

CLOSE MEASURE

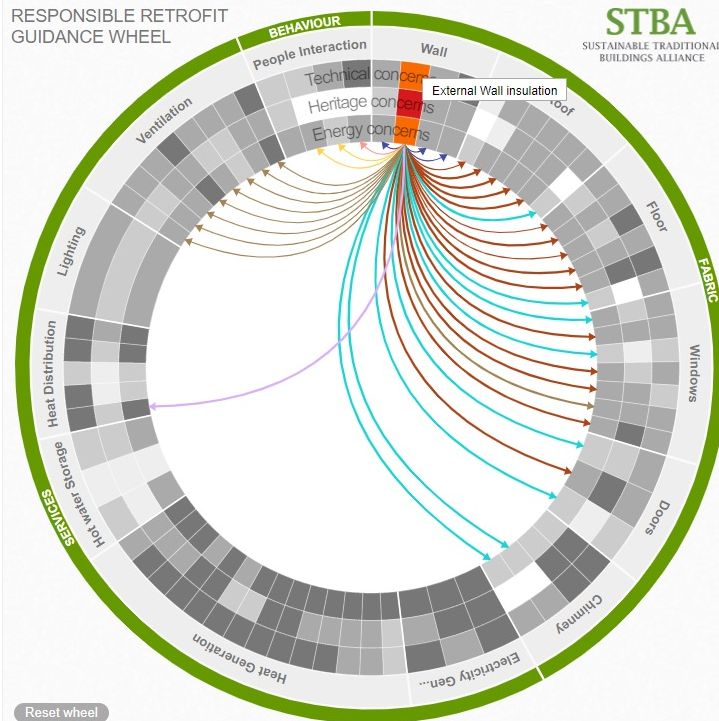
► Advantages

► 7 Technical Concerns

► 3 Heritage Concerns

► 3 Energy Concerns

► Related measures



Reset wheel

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HOW

Free to all

Free to members

Basic versions available to all, but advanced /
updated for members only

STBA Consultancy based – paid services

STBA / Members Partnership based delivery –
STBA endorsements

???

HOW

Professional tools

Amateur tools

Guidance only

Sign posting to others (professionals)

Outreach work

Communication strategy

???

Discussion time

The HOW's

Membership
Partnerships
Funding opportunities
Consultancy
Sign posting
STBA endorsement
Communications

The WHAT's

Tools
Guidance

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