

Bioregional 15 September 2022





Bioregional

- Sustainability charity, founded in 1994
- Work with major retailers & business
 - Sustainability Strategy Development
 - Net Zero Carbon strategies
 - Science Based Targets
 - Sustainable Products
- Work across five continents



Contents

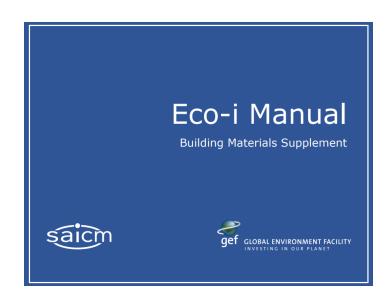
- 1. Global Sustainable Materials Hub Background and associated projects
- 2. Scoping and development work to date
- 3. Key principles and functionality of the Hub
- 4. Upcoming Hub development and next steps

Global Sustainable Materials Hub –

Background and associated projects

Work with UNEP







Sierra Readymix, concrete supplier in Sri Lanka

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Building materials working group co-leads

Activity 1

Policy briefs on building materials & embodied carbon

Development of policy briefs on embodied carbon and building materials to feed into high level processes

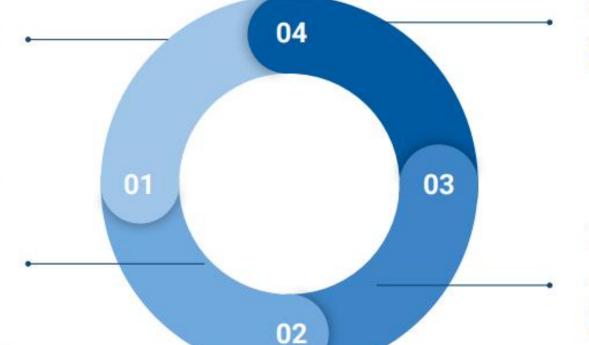
Information Hub on Building materials and Products

Support establishment and design of the hub and share/review potential resources and case studies to feature in the hub.

Co-leads:







Activity 4

Support roadmap development

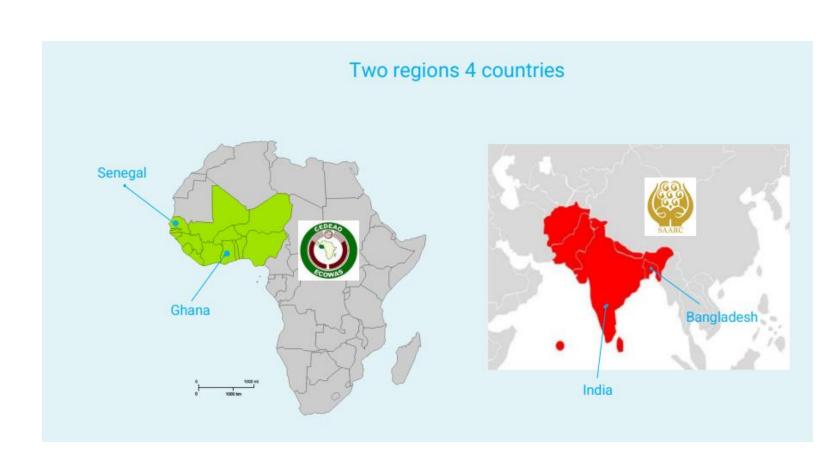
Strengthen, review and analyse the materials section in roadmaps

Activity 3 Circularity in NDCs

Support the development of and review the embodied carbon section of the UNEP-UNDP-UNFCCC user guide and toolbox for circular economy and NDCs

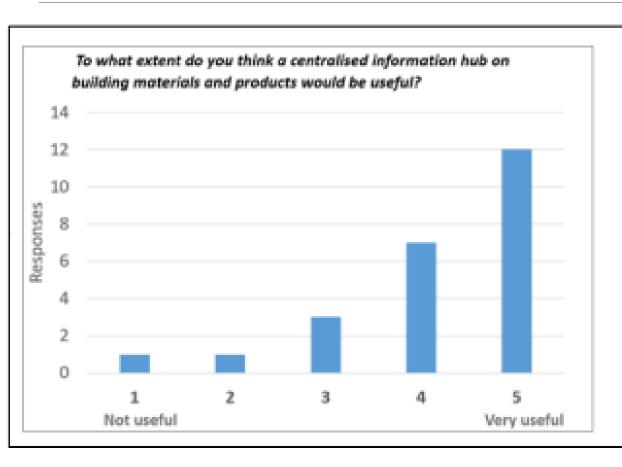
Associated project

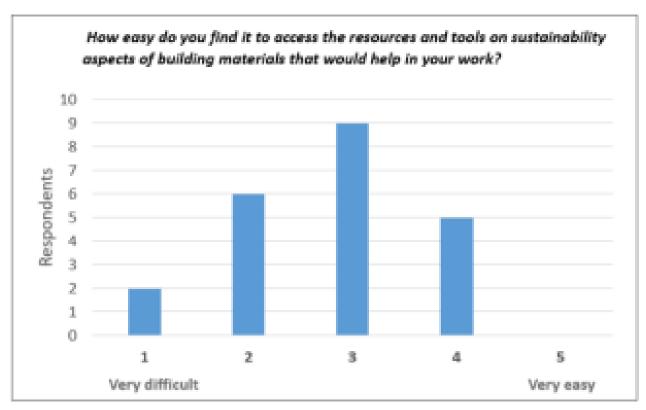
- Transforming the Built Environment through Sustainable Materials -BMZ/IKU funded project, implemented by UNEP
- Deployed in West Africa and South Asia
- Creation of an enabling framework and further market development for sustainable materials
- Encourage more ambition in NDCs
- Promote sustainable materials in high level international processes (COP, G7)

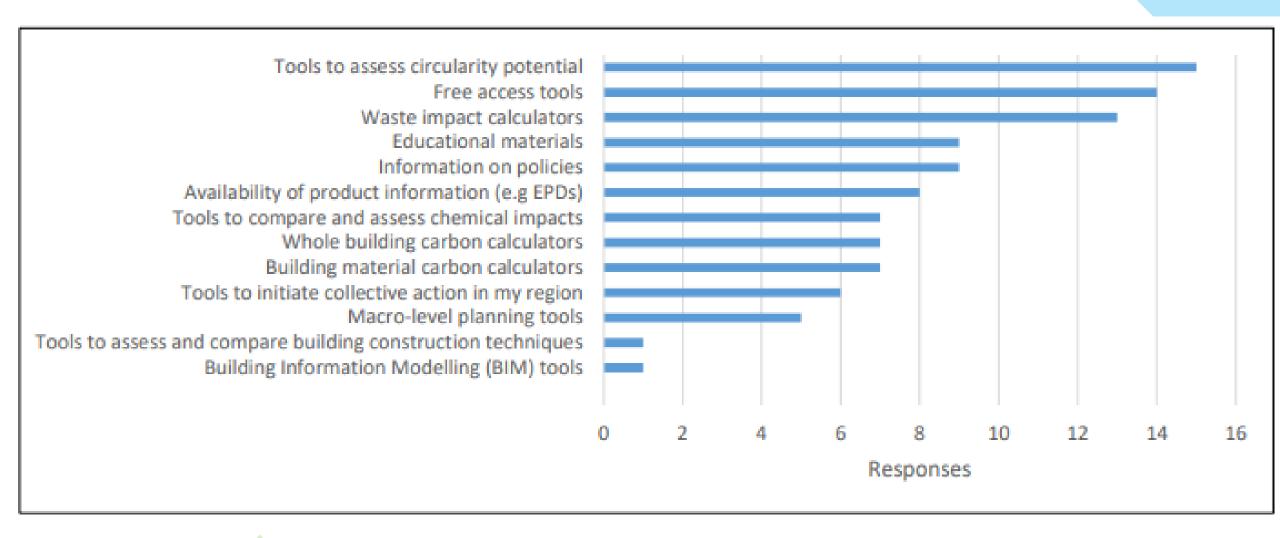


Hub scoping and development work to date

Survey findings







Key findings of initial consultation

- Well defined audience (Policy makers and supporters)
- Appropriate regional consideration
- Support local and vernacular materials
- Usability and functionality
- Regularly updated content
- Effective governance on content

Recent development work: Trialling a structure and user journeys

- Initial website will be a BETA version, with expansion expected in 2023
- Understanding the user journeys and entry points
- Who are the users and how do we support them?
- Material agnostic approach preferred, that enables regional searching
- Consideration of policy types to accelerate sustainable materials both new and existing

Content and draft structure

- Tools and calculators
- Case studies
- Educational resources
- Research papers
- Databases
- Policy briefings

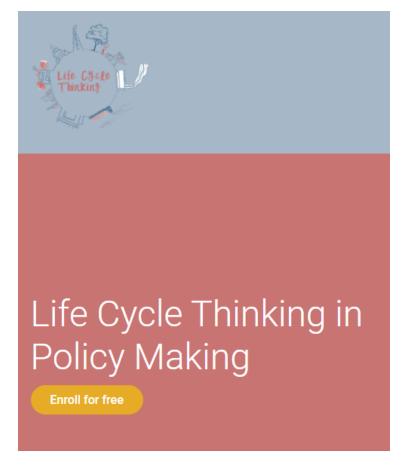


Innovation and local materials





Education



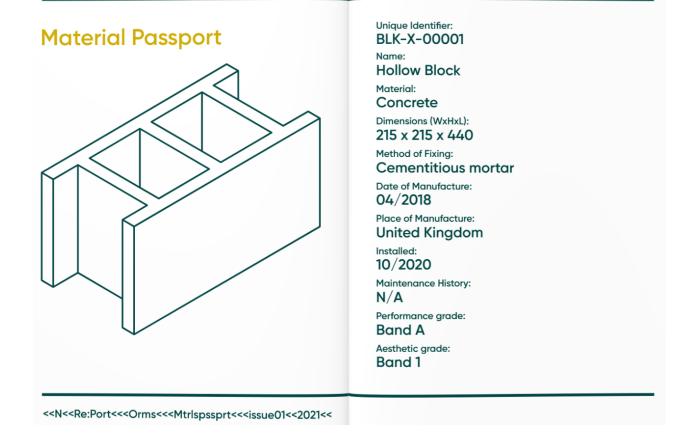




Lowering the Embodied Environmental Impacts of Cement and Concrete (February 2020)



Improving data provision





It is hugely important to consider alternatives to vinyl (known more commonly as "PVC") flooring for a myriad of reasons. Firstly, as chlorine molecules are heated to high temperatures during the manufacturing, burning, and landfilling of PVC, a type of highly toxic chemicals known as **dioxins** are released. Dioxins not only persist in the body for years after exposure, but with links to cancer, reproductive disorders, and hormone disruption, they have been called **the most toxic man-made substance ever created**. PVC floors also contain phthalates, which are endocrine disruptors.

It is important that designers seek healthier alternatives in linoleum, cork, natural rubber, or bio-based materials that avoid any inclusion of vinyl.

Flooring 18 products

CATEGORY A	SUB-CATEGORY A	MANUFACTURER A	PRODUCT A
Pourables and Aggregates	Stone	Duracryl International	Durabella Terrazzo 🛢
Resilient	Biobased	Patcraft	Ecosystem LEC NEW
Resilient	Biobased	Shaw Contract	Innate + In Tandem LEC NEW
Resilient	Limestone	Armstrong Flooring	Biobased Tiles

Key principles and functionality of the Hub

Strategy approach

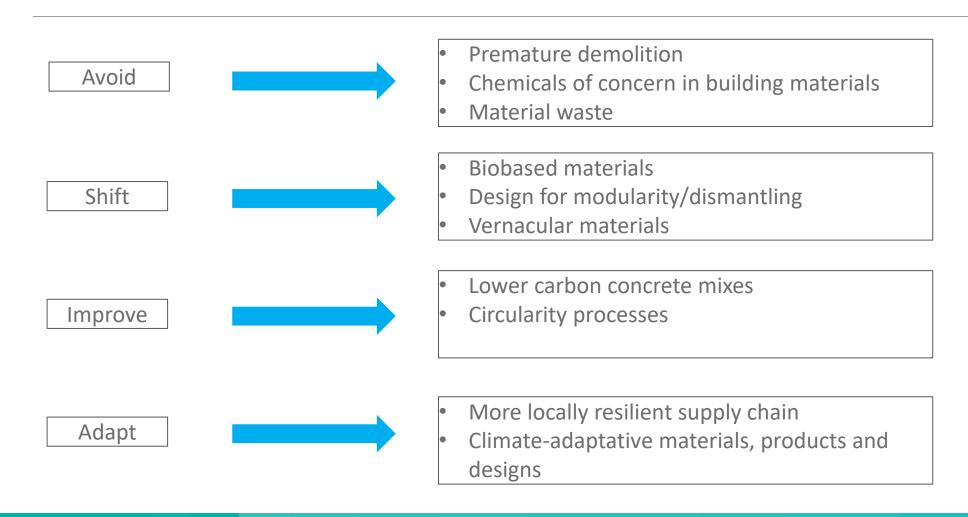
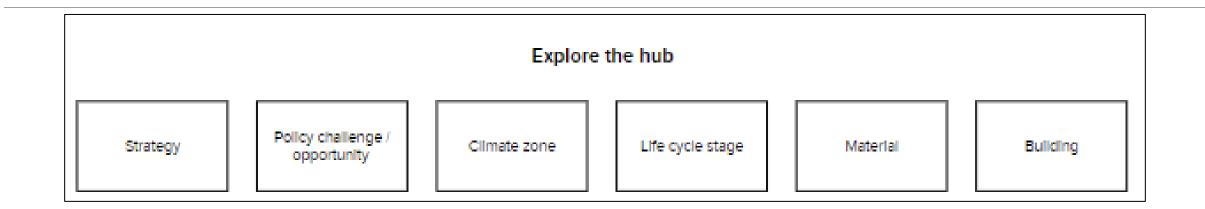


Figure 3 Embodied carbon policies in this report visualized per carbon reduction impact



Entry points



Question: what are the key entry points for users?

Audience: Policy makers at all levels, those supporting policy development

Next steps

- Final stages of scoping phase, mainly to define technical web design aspects
- Aim to agree on the model for the hub's structure
- Further consultation to be held on resources to include
- Aiming for build and launch of BETA version by end of 2022 by GlobalABC web development team

Further inputs welcomed

- Joining working group calls
- Recommending contacts to join the working group, particularly related to policy
- Suggesting resources

Thank you