



A radical approach to natural construction materials at scale - delivering significant social, environmental and financial benefits



50%

**reduction in
embodied energy
& CO₂ emissions**



15%

**reduction
in total costs**



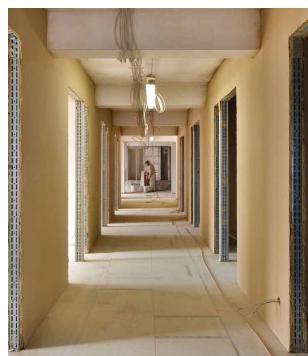
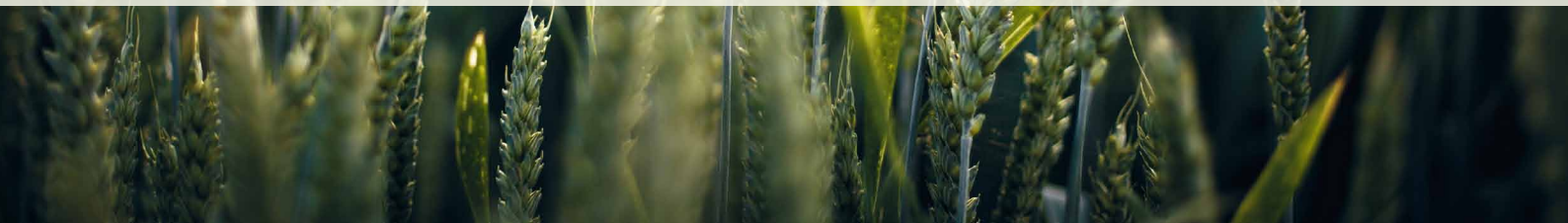
20%

**better insulation
properties
than conventional
materials**



5%

**total energy
reduction over
the lifetime
of a building**

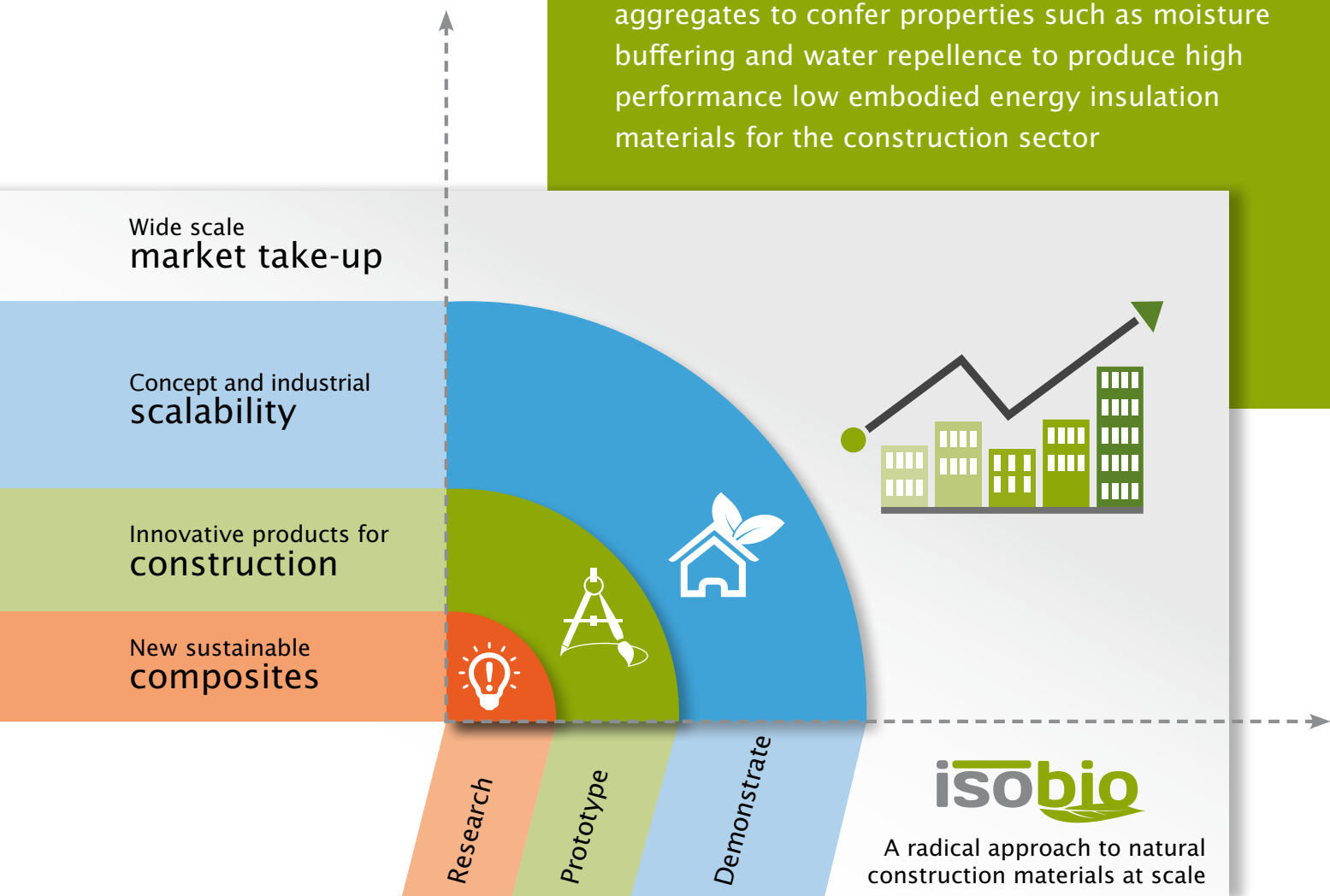


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ISOBIO proposes an innovative strategy to bring bio-based construction materials into the mainstream

A key development is to pre-treat bio-based aggregates to confer properties such as moisture buffering and water repellence to produce high performance low embodied energy insulation materials for the construction sector



By advancing the state-of-the-art in bio-based insulation materials ISO BIO will develop new sustainable construction materials using a series of prototype-level demonstrations

The end result: bio-based panels and renders with high insulating properties, low embodied energy, low embodied carbon and hygrothermally efficient allowing you to go bio-based with confidence

THE CONSORTIUM

