

3rd CORNET Call for Collective Research Proposals

--- Project Idea ---

<p>Subject:</p>	<p>EU.ILB (European Unfired Industrial Loam-bricks)</p> <p>The primary objective of the project is the improvement of an energy efficient building system which is based on unfired, industrially produced loam-bricks and their development for marketability. The success of a previous research project (LEHM.konkret) about industrially produced loam-bricks and the construction principles – the project was realised during the last two years – was demonstrating the miscellaneous possibilities of this system for a new market.</p> <p>Based on the research results of LEHM.konkret the main targets of EILB are as follows:</p> <ul style="list-style-type: none"> • Development of the fully automatically production system of the loam-bricks • Standardisation and certification • Research for energy efficient construction details • Documentation of practise experience; assessment and evaluation of important data • Development of a training-tool for loam-brick professionals • Dissemination of the project results
<p>Coordinator:</p> <p>Other applicant(s):</p>	<p>Association of Austrian clay brick manufactures (VÖZ)</p> <p>Bundesverband der Deutschen Ziegelindustrie (Germany)</p> <p>Fédération Belge de la Brique (Belgium)</p>
<p>Sector/target group:</p>	<p>Target group in this project will be all players of the brick-sector. This involves the brick-producers as well as the construction industry. With the optimised product and the acquired know how the companies will have the possibility to react on the needs of a new market with a growing interest in ecological, healthy products. All involved companies have in addition the advantage of an improved image in the sense of an ecological responsible acting.</p>
<p>Proposal summary:</p>	<p>Industrial Production</p> <p>Development of the fully automatically production system for an efficient and effective production procedure of the loam-bricks</p> <p>Standardisation and Certification</p> <p>The standardisation and certification is a quintessence of the success of the construction system with loam-bricks und an important step for their marketability.</p>

	<p>Construction Details Further research and development of construction details for the efficient combination of the ecological building product “loam brick” with energy efficiency of the building during its use.</p> <p>Tests Evaluation of important data in 1:1 models, documentation of the measured data of the pilot projects.</p> <p>Training-Tool Development of a training-tool for loam-brick professionals. The availability of skilled professionals is a further important step for the marketability and success of the building system.</p> <p>Dissemination Dissemination of the project results through the existing networks of the project partners as well as through new target groups. Presentations, events, publications and the schooling tool will be instruments to distribute the know-how.</p>
<p>Advantages for trade and industry:</p>	<p>The new product “industrial produced loam-brick” provides the brick industry a possibility to produce with a lower use of non renewable energy and to offer a healthy product with excellent life cycle assessment. The loam brick construction system is an answer to the increasing interest for ecological, healthy buildings. The continuously growing consumer-group who is asking for consequent ecological buildings expects to get products with all necessary standards, certifications and the availability of skilled professionals.</p> <p>The results of the project open a new market for all players of the brick-construction sector. The activity in ecological construction systems additionally offers an image upgrade.</p>
<p>Dissemination concepts:</p>	<p>The networks of the involved project partners will be used to provide the research results and the newest know how. Especially the training-tool will be an important instrument to spread the actual knowledge about the product loam-brick, the construction system and the possibilities to react on a growing consumer-group.</p>
<p>Profile of additional partners:</p>	<p>The tree associations promote the interests of the brick and tile industry in the fields of industrial, environmental, energy, standardisation and sustainability policies. They provide a forum for its members to exchange information on technical development, environmentally friendly production and emerging issues.</p>
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