

Green Building Standards in Lebanon

Green Building Standards in Lebanon: What does it take for a Lebanese Green Building Standard to be adopted nationally?

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Short Profile: Simon El Hachem is the EU Funded Project SISSAF working as Energy Key Expert for the sustainable development in the infrastructure sectors in Lebanon. LIBNOR Technical Committee TC 205 chairman, responsible for the development of the Lebanese Green Building Standards.

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Definition / Benefits	Constraints / Challenges / Barriers
<p>Definition: Green Building Code Formulation & Enforcement in Lebanon. What does it take for a Lebanese Green Building Standard to be adopted nationally.</p> <p>Benefits :</p> <ol style="list-style-type: none">1- Green building plays an important role in protecting people from natural and manmade hazards.2- Start building sustainable cities3- Environmentally sound, economically	<ol style="list-style-type: none">1- Political will and political back up2- Environmental sustainability is relatively a new element in the Lebanese building code.3- Financing, human capacity, enforcement capacity and stakeholders cooperation.4- Find incentives that work in the Lebanese context.5- Eco-Materials are expensive6- Suppliers compliance.7- Easier said than done in developing countries.

<p>productive and socially inclusive</p> <p>4- Decrease the carbon footprint of cities and their impact on the environment</p> <p>5- Improving building quality could help in improving the people quality of life.</p> <p>6- Decrease the energy consumption. Note that Buildings consume more energy than any other sector.</p>	<p>8- Struggling with low compliance rates in developing countries.</p>
Best Practice / Solutions / Tools	Resources / Local Availability
<p>1- To document a series of good practices showing a range of incentives for building code stakeholders to further integrate these elements in their work.</p> <p>2- Capacity building & Awareness raising</p> <p>3- To show the financial and political costs of not taking action</p> <p>4- Offer special housing loans</p> <p>5- Relax zoning restrictions</p> <p>6- Offer tax breaks at all levels.</p> <p>7- Make green building a national priority</p> <p>8- Develop green building master plan.</p> <p>9- Transfer responsibility to private sector</p> <p>10- Building strong linkages between the building industry and the academia</p> <p>11- Training programme for professionals, contractors and masons</p> <p>12- Good cooperation between stakeholders</p> <p>13- Very good contacts with citizens.</p>	<ul style="list-style-type: none"> - Lebanese Green Building Council LGBC - NGO's acting in this field - Professional consultant firms. - International Institutions Programmes. - LIBNOR standards and training programmes - OEA seminars and training programmes - Green Criteria in Lebanon - Rating systems ARZ and CEDRE - Laws, decrees , resolutions and decisions - Ministry of Energy and Water national strategies, NEEAP & NREAP - Ministry of Energy & water Policy Paper for the electricity sector in Lebanon.

