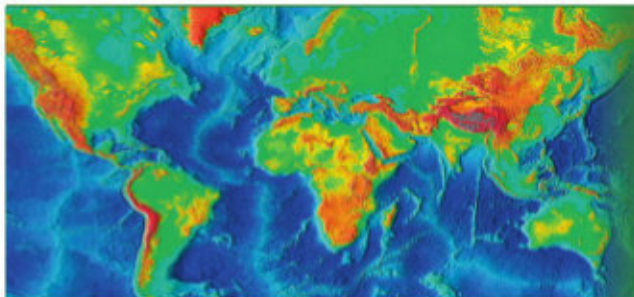


The 'Umweltbüro für Berlin-Brandenburg e.V.' (ubb e.V.) has for the last 15 years been engaged mostly in government funded projects in environmental protection together with partners on regional, national and international level.

The global problems of our times, such as climate change, shortage of resources declining bio diversity, demographic development, population explosion and economic crisis, all make it necessary to combine efforts in order to find a solution to fit this serious situation.

Here the themes of resource efficiency, resource protection and also a sustainable energy industry offer great chances, especially with regards to building and living.

Further information on cluster LEBEN also for potentially interested network partners can be found on the website of ubb e.V. under the heading 'Cluster LEBEN'.



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Regional Cluster for resource efficient Living and Building



L.E.B.E.N.
**LowEnergyBuildings and
Environment**

Regional Cluster for resource efficient building and living -L.E.B.E.N.- Low energy Buildings and Environment

The Ubb e.V. has founded a cluster on the theme ecological building and living in the region Berlin-Brandenburg L.E.B.E.N. At present it represents 17 members in the areas of regenerative and efficient energy, heat production and air conditioning, sustainable architecture, production of biogenic materials, planning and development, intelligent regulation and automation



techniques, energy and environmental advice and also environmental planning. Knowledge and technology transfer are the basis for the development of innovations and development of regional trade. They are essential aspects for the realisation of the

European energy policy and the aims of the Lissabon strategy for more growth, competition and employment in the EU. To reduce the emission of greenhouse gases by least 20% by 2020 and to sink the energy consumption in the EU by 20% by 2020 concrete measures must be undertaken to increase the proportion of a renewable energy mixture in Europe by 20% within the same time frame. Thereby technologies for the renovation and development of buildings with a view to an economical and efficient energy balance and efficient heating and cooling systems also play an

important role. A detailed closer inspection is worthwhile, in that it shows that 40% of our energy usage is connected to the buildings that we use. Interdisciplinary coordination is necessary in order to take into account all aspects of the resource efficiency of buildings. For this reason it is important to work together on this theme in networks, "clusters", that are made up of engineers, scientists, architects, interest groups, communal, representatives and market participants creating a greater

chance and challenge for the development of innovations. A central target of L.E.B.E.N is working together with other European clusters and project teams within European programs in this area. At present there is a partnership and

cooperation contract with the Polish cluster TERMOMAX in Opole(Poland) which is very interested in German technologies and cooperation in this field.

Present Partners in the cluster L.E.B.E.N. are:

