

Overview

Trainings, seminars and courses on Eco materials for construction

in Latvia, Estonia, Lithuania and Germany



Project: „Using ecological construction materials in new, energy efficient buildings in the Baltic States”

Introduction

In the frame of the project „Using ecological construction materials in new, energy efficient buildings in the Baltic States” (Nr. AZ 27541-21/0) experts did background research on available trainings, courses and seminars for different stakeholders on application of ecological materials for construction, insulation and finishing, building energy efficiency and sustainable technologies in the three Baltic States and Germany. Based on the background information collected, the assessment of particular training needs for stakeholders has been performed in order to develop the training materials for experts in the Baltic States.

	Where?	What?	Training materials
LATVIA	Universities		
	Riga Technical University, Further education courses	Lecture „Construction materials use for increasing building energy efficiency“	None available online, lecture held in Latvian, target group- all stakeholders
	Riga Construction College	Lecture „Construction materials“	None available online, lecture held in Latvian, target group- students
	Riga Technical University, Faculty of Architecture	Lecture „Construction materials“	Not available, lecture held in Latvian, target group- students
	Riga Technical University, Faculty of Construction	Lecture „Construction materials“	Not available, lecture held in Latvian, target group- students
		Lecture „New construction materials“	Not available, lecture held in Latvian, target group- students

ESTONIA	Estonian University of Life Science (Eesti Maaülikool)	Lecture „Sustainable environmental engineering I and II“	Available online just for students, lecture held in Estonian
	University of Applied Sciences (Tallinna Tehnikakõrgkool)	Lecture „Sustainable and Ecological Technologies“	None available online, lecture held in Estonian
	University of Tartu, Institute of Technology Energy Efficient Building Core Laboratory (Tartu Ülikool)	Consulting Thermographic surveys, Planning aid with Passive House Planning Packages(PHPP 2004a) Determination of air permeability of buildings (Blower Door test)	http://www.tuit.ut.ee/eetl Some material available online in Estonian
	Tallinn University of Technology (Tallinna Tehnikaülikool) In the lecture topics ecomaterials were listed as one issue for all of these	Lecture „Sustainable Energy Sources“	Available online just for students, Proceedings "Clima 2000". T.Jilar. Large-scale Solar Heating Technology
		Lecture „Environmentally Friendly And Sustainable Building“	Not available, lecture held in English
		Lecture “ Fundamentals of Sustainable Energy Engineering“	Not available, lecture held in Estonian
		Lecture „Energy Saving and Conversion“	Not available online, Energy conversion. Boca Raton (Fla.) [etc.]: CRC Press, c2008.
		Lecture „Thermodynamics“	Not available online, just a list of books to read
Lecture „Thermal Engineering“	Not available online, some books are listed		
GERMANY	University of Stuttgart	Lecture “Ökologische Bewertung, Nachhaltig Bauen” (Ecologic assessment, building sustainably)	None available online, lecture held in German
	University of Applied Sciences Leipzig	Lecture “Baustoffe und Umwelt” (construction materials and environment)	28 Power Point slides (German) as Adobe reader file available at: http://www.imn.htwk-leipzig.de/~benedix/folien-BuU.htm
	BTU Cottbus	Lecture “Werkstoffe und Ökologie” Materials and ecology	Existing books are used; the lecture script is PW protected.
	Bauhaus University Weimar	Various specialized lectures, e.g. on recycling	Slides, German
		Lectures “Essentials of ecologic construction” (until 2008)	Online lecture system, freely accessible at http://www.ecobine.de/ section on eco materials exists (quite comprehensive, in German, partly in English); extended lecture notes were also published as a 250pp-book

	TU-Wien	Lecture "Building Physics and Human Ecology" (held in German)	Script, Adobe reader file in German, rather general coverage of the topic, no details
	FH Lübeck	Lecture "Ökologie und nachhaltig Bauen" (Ecology and building sustainably") and "Eco towns"	None online
	University of Applied Sciences Wismar	Distance study programme "Architecture and environment" Distance study module "Sustainable constructions"	Pdfs file lecture script in German
Chamber of Craftsmen and Consultants, Seminars and NGO's			
LATVIA	„Lode“ Ltd.	Seminars: about building energy efficiency and ceramic construction materials	Not available, seminars are held in Latvian and target group is architects, engineers, constructors
	„Knauf“ Ltd	Seminars and trainings: about construction materials for energy efficient building construction	Not available, seminars are held in Latvian
	„LBS- Konsultants“ Ltd.	Lectures about basement, walls, insulation materials- the proper use and frequent mistakes	Not available, seminars are held in Latvian, target group- constructors, architects and engineers
	„Salmumajas“ Ltd.	Lectures and practical seminars about reeds houses	For all stakeholders, language- Latvian and some materials are available in www.salmumajas.lv The video about reeds house in Latvian http://tv.delfi.lv/video/Nz1HVRt3/
	Pilotcourse in Erglu trade school- passive houses architect Ervins Krauklis, Riga Technical University lecturer on ecology Karlis Kazaks, RTU lecturer Agris Kamenders and „Svekis“ Ltd. Kristis Slokenbergs.	„Ecological construction in energy efficient building renovation” – theoretical course about ecological construction, passive houses, energy efficiency, ecological construction materials and practical exercises on wall fragment insulation	Construction professionals and architects
	„Green Houses“ NGO's	Seminar „Wood houses trends in Latvia and Sweden“	For all stakeholders, language- Latvian
	Exhibition „House. Apartment 2008“	Information for exhibition visitors about ecomaterials (paints, insulation, inner finishing)	For all stakeholders, language- Latvian

ESTONIA	Säästvad Ehituslahendused OÜ	Seminars and practical workshops: clay plaster, lime plaster, tadelact, reed mat /disk, traditional colours, straw buildings, traditional building materials, energy efficiency	Some materials online in Estonian http://www.ehituslahendused.ee/teenused.php
	Equilibre MTÜ	Consultations: indoor climate, nature friendly building (straw houses), eco-villages	No materials online http://www.equilibre.ee/index.htm
	Savikodu MTÜ	Topics: straw buildings, clay buildings	Handbooks online in Estonian: http://savikodu.ee/index.php/kaesiraamatud/kaesiraamatud
	Estonia SRIK (Information Centre for sustainable renovation) Säästva Renoveerimise Infokeskus	Seminars „Sustainable Renovating of old houses“	Some materials online. http://www.srik.ee/index.php?region=1&amenu=60 List of books for reading and for sale http://www.srik.ee/index.php?region=6&amenu=48 http://www.srik.ee/index.php?region=6&amenu=2 http://www.renoveeri.net/?id=62
		Trainings: renovating the roofs of old houses (painting and maintenance);	
		Painting and maintenance of Wooden facades, insulation of doors and windows; indoor climate; mould in old houses; modern and traditional ecomaterials; marking of Ecomaterials; renovating of old windows and doors; rainwater systems; insulation audit	
	Stroch Consult (Tapeedil)	Consultations: insulation materials, roofs, lime, colours	Some articles online and books for sale in Estonian http://www.tapeedil.com/index.htm
	Saviukumaja OÜ	Consultations: clay, lime, wood, straw	Some information online in Estonian http://www.saviukumaja.ee/?id=2
	Futuren	Consultations: solar energy, biofuel, solar fuel, wind energy, coproduction	Some information online in Estonian http://www.futuren.ee/
	OÜ Natuurehitus	Trainings and Consultations: straw houses, colours and painting, clay plaster, lime plaster, isolation, energy audit	Some information online in Estonian http://natuurehitus.ee/

	Majatohter OÜ	Consultations: glue, paints, plaster, doors and Windows, log houses	Some materials online in Estonian http://www.majatohter.ee/index.php?op=&pg=Page3
	Looduskeskus OÜ	Trainings and Consultations: clay and straw houses; clay and lime plaster	None available online, just some information in Estonian
	ultraKUB OÜ	Consultations: energy efficient Eco houses; indoor climate; choice of materials	Some information online in Estonian http://www.elumaja.ee/en
	Öko-Projekt Grupp OÜ	Consultation: lime and clay plaster, tadelakt, natural colours, straw etc.	None available online
	OÜ Roomaja	Trainings: straw buildings	Some information available online
	AS Limex	Consultations: lime	Some information available online http://www.limex.ee/index.php?teema=2
LITHUANIA	Lithuanian Chamber of Architects and Lithuanian Architect Union	“Sustainable architecture. The Green Building”	http://www.statybininkai.lt/?id=5724 Agenda available in Lithuanian. Presentations of the event are not available.
		Lithuanian Urban Policy and Sustainable Urban Development and Challenges; Sustainable Housing Development Issues, other	http://www.litexpo.lt/lt/main/fairs?ID=20972&view=events Agenda available in Lithuanian. Presentations of the event are not available.
		Courses for energy performance certification	Material is not available.
		Courses about Rational Energy Use in Buildings; Management of Energy Performance in Buildings; Planning of Energy Supply in Certain Territory	http://www.vgtu.lt/mokslas/paslaugos Material is not available.
		Annual Conference on Engineering Systems of Buildings Conference covers heating, wastewater management, energy efficiency in buildings, problems residential buildings management, alternative energy, etc.	Not available
		Building Maintenance and Use. Facilities Management. Requirements, Problems, Innovation	http://www.infoklodai.lt/events.php?event=51 Material is not available.
	Construction Products. Quality, Requirements, Rules. Seminar	http://www.infoklodai.lt/events.php?event=50 Material is not available.	

		Construction and Demolition Waste Management. Requirements, Problems and their Solutions. Seminar	http://www.infoklodai.lt/events.php?event=47
		Problems and Perspectives of Alternative Heating in Lithuania	http://www.infoklodai.lt/events.php?event=42
		Technical and sanitary aspects of renovation of residential houses. Seminar	http://www.infoklodai.lt/events.php?event=163 Material is not available.
GERMANY	CoC Dresden	Course on Clay construction	None online
	CoC Hannover	Building Sustainably in existing buildings as a service (G.: Nachhaltiges Bauen im Bestand als Dienstleistung)	None online
	CoC Hildesheim	Moderne Innendämmung mit Lehm (Modern interior insulation with clay)	None online
	CoC Lübeck	Building sustainably, (also covering eco materials)	None online
	Institute for Construction biology	Distance course „Baubiologie“ (Construction biology), includes lectures on construction materials	Complete distance study course (12 months). Expensive, no material free of charge
Video clips			
ESTONIA	Youtube clip	Eco buildings	http://www.youtube.com/watch?v=B92_IX84p6s in Estonian
		Paper plaster	http://www.youtube.com/watch?v=B92_IX84p6s in Estonian
		Natural colours (casein colour, munaõlitempera)	http://www.tempt.ee/topic.php?topic=388 in Estonian