

PLENARY SESSION | Europa Hall

9:00 Opening remarks: Johannes Rimmel, Minister for Climate Protection, Environment, Agriculture, Nature Conservation and Consumer Protection of the German State of North Rhine-Westphalia | Marcel Philipp, Mayor of the City of Aachen | Lothar Schneider, Director of the EnergyAgency.NRW


9:30 Heinrich Bottermann, General Secretary of the DBU foundation (Deutsche Bundesstiftung Umwelt)

9:45 Diana Ürge-Vorsatz: Director of the Center for Climate Change and Sustainable Energy Policy (3 CSEP), Central European University | Energy efficient buildings – an important opportunity to mitigate climate change

10:30 **2014 Passive House Award Ceremony**

11:00 Wolfgang Feist | Passive House is more...

11:30 Tour of exhibition | lunch


Europa Hall	 PassReg	Brüssel Hall	Berlin 1 Hall	 EuroPHit	Berlin 2 Hall
Session I: PH on the regional level*		Session II: Ventilation*	Session III: Retrofit		Session IV: Day-care centres / schools*
13:00	Ulrike Leidinger, Eckhard Wendel   The City of Aachen – on the way to Passive House	Rolf-Peter Strauss   Ventilation – simple and elegant!	Witta Ebel, Berthold Kaufmann   Economy and financing of efficiency: new buildings and renovations		Kai Künzel   »KlimaKita« in three weeks
13:25	Hartmut Murschall   Energy efficiency in North Rhine-Westphalia: political commitment and support	Bernhard Martin   A new ventilation concept for small dwelling units	Peter Keig   Analysis of the operational energy performance of a retrofitted solid wall terraced house versus designed performance		Robert Heinicke   The “House by the lake”
13:50	Matthias Linder   The City of Frankfurt: 10 years of experience with public Passive House buildings	G. Rojas-Kopeinig   Cascade ventilation – air exchange efficiency in living rooms without separate supply air inlets and exhaust air outlets	Herwin Sap   A concept for quick and clean Passive House renovation for mass housing in the Netherlands		Patrick Ostrop   Passive House school and educational center “Tor zur Welt” in Hamburg
14:15	Michael Stephan   Tradesperson and designer network in the Aachen region	Rainer Pfluger   Heatpipes for frost protection in PH ventilation systems	Alexandra Troi   Energy efficiency of windows in historic buildings		Helmut Heuer   Certification and architectural quality – a contradiction?
14:40	I. Klawitter, J. Probst   Energy concept and sustainable design in Belgium’s German community	Rainer Lautner   Highly efficient ventilation systems with rotation heat exchanger für Passive House buildings	Harry Paticas   Monitoring building fabric moisture in a historic house retrofitted with internal insulation		Joachim Götsche   Science College Overbach: Passive House school in Jülich-Barmen
15:05	Markus Lehmenkühler   E-View – an online monitoring system not only for public administrative bodies	1) Schmidt   The new generation of enthalpy exchangers – performance and energy efficiency 2) Brandmeier   Outdoor installation and special characteristics of ventilation systems 3) Sibille   Development of a coaxial-duct as outdoor air inlet and exhaust air outlet for ventilation units 4) Woollett   Rotary heat exchanger: practical experience	1) O’Leary   Ten Trans-European EuroPHit projects lead the next wave of Passive House promotion 2) Pedersen   Online platform for systematic Passive House certification		Martin Endhardt   Passive House day-care centre with class rooms in prefabricated concrete construction
15:30	COFFEE BREAK				
	Session V: Components: building envelope*	Session VI: PH design tools*	Session VII: Climatic challenges		Session VIII: EnerPHit refurbishment*
16:00	Benjamin Krick   PHI window certification: cold and arctic climates	Gernot Vallentin   Design principles for Passive House buildings: illustration of completed day-care centres	Fabio Ferrario   The first certified Passivhaus hotel in Italy		Ludwig Rongen   Heinsberg Protestant Christ Church – EnerPHit refurbishment, conversion and extension
16:25	Günter Pazen   Passive House windows are cost-effective!	Zeno Bastian   Variant calculations and economic assessment with PHPP 9	Rena Vallentin   Seminar and youth guest-house – a flagship project in Korea		Stefan Oehler   Conversion of a trading post into a multi-family building with lofts
16:50	Patrick Ziegler-Herboldt   Presentation of certified curtain wall substructure components & experiences	Pia Regner   Simulation and construction of cost-effective Passive House schools with minimised mechanical systmes	Thomas Greindl   An ecological, sustainable Passive House 300 km south of the Arctic Circle		Georg Reinberg   Passive House refurbishment with extension and redensification under challenging conditions
17:15	Klaus Zeller   Two residential building projects with monolithic masonry walls in Cologne	Alexandre Schütze   Sensitivity analysis with PHPP	1) Mauring   Winter performance of Certified Passive House building in Northern European cold climate 2) Krauklis   Design, optimisation, construction and operation of a large single-family Passive House in Riga		Eva Anlauff   Cultural heritage preservation award for an energy retrofit – prevention of structural damage, cost-effectiveness and regulatory compliance
17:40	1) Muskatewitz   Challenging connection details and their impact on the heating demand 2) Kethorn   Durable airtightness of joints between windows and walls 3) Gollwitzer   Optimisation of roller shutters and exterior blinds 4) Park   Comparative evaluation of EIFS using VIPs for better performance 5) Andreau   Electronically tintable glass: greater design freedom without compromise	1) Kuhne   ecoleam - Passive House experts at your fingertips 2) Hasper   Advance! Education!	3) Nguyen   Passive design concept for terraced houses and shop houses in Hanoi (Vietnam) 4) Szalavicz   Can Passivhaus Standards be adapted to high-rise residential buildings in South Africa? 5) Marcelino   The performance of the first Passive Houses in Portugal: the path to sustainability 6) Rosemeier   Is mechanical ventilation dispensable in temperate climates? 7) Vicente/Rodrigues   Passivhaus economic feasibility for Portuguese climate		Oliver Ottinger   Comparison of four interior insulation systems – measurements and hygrothermal simulations 1) Reinke   From a traditional Hamburg detached house to a low-energy house with a Passive House extension 2) Graf   EnerPHit – an early pilot project 3) Rongen   Passive House refurbishment of Baesweiler’s secondary school – monitoring and user survey
18:15	End of event   20:00 Evening event (reservation must be made in advance)				

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9:00 Vincent Berrutto | Head of Unit for Energy Efficiency, European Commission - Executive Agency for Competitiveness & Innovation (EACI) (tbc)

9:15 Pat Cox, 21st President of the European Parliament | German know how – Irish can do: a sustainable enterprise and innovation cluster

9:45 Grégoire Clerfayt | 2015 – Brussels goes passive – from stimulation to regulation

Europa Hall	Brüssel Hall	Berlin 1 Hall	Berlin 2 Hall	 PassReg
Session IX: Swimming pools, hospitals, super markets*	Session X: PH and renewables = NZEB*	Session XI: North America	Session XII: Passive House regions	
10:30	Jörn Kaluza   Improving the electricity efficiency of indoor swimming pools	Manfred Huber   Field report: Nearly-zero energy multy-family building with load management	Adam Cohen   Built comparison of a Passive House and a standard American dormitory – a twin study	U. Scherer, M. Wohlfahrt   Promoting efficient building: The PassReg principle in the Hanover Region
10:55	Jessica Grove-Smith   Energy efficiency in Passive House swimming pools: demand and consumption of the “Lippe” bath	Christoph Deimel   Contemporary design in Berlin: From Passive House to Plus energy buildings	Timothy McDonald   Strategies for affordable, modular and multifamily PH housing in the USA	Paola Leardini   How do Passive Houses perform in New Zealand? From simulation to facts
11:20	Kristin Bräunlich   Aspects of efficient ventilation in hospitals	Robert Wortmann   Passive and zero-emission refurbishments	Ross Elliott   Le Belvedere Events Facility: A unique Canadian cold-climate Passive House experience	Mark Siddall   Occupant satisfaction in UK Passivhaus dwellings
11:45	Oliver Kah   Baseline study – implementing the Passive House concept in hospitals	Edith Varga   Evaluation of a Passive House settlement according to DGNB criteria	Jörg Rügemer   Maximizing the Passive House at market rate – Utah’s most energy-efficient and cost-effective house	Ruut Peuhkuri   Indoor environment in 126 Danish Passive House apartments heated by ventilation air
12:10	L. Lepp, J. Schnieders   Passive House super markets on the rise: requirements, examples and results	Christian von Ballmoos   Palazzo Positivo – refurbishment of a multy-family building in Chiasso to plus energy level with BIPV	Malcom Isaacs   Passive House economics: A simplified North American approach	Ljubomir Mišćević   The first twenty Passive Houses in Croatia
12:35	1) Oehler   Laboratory building of Mainz University’s anthropology department 2) Cohen   Design & construction of the LDS Dental Clinic	1) Struckmeier   Passive House: Computer data centres with a PUE below 1.7 2) Wamsler   A construction group builds passive and „positive“ 3) Garg   Design of a cost effective net Zero Home for Ahmedabad, India 4) Yeats   Lancaster Cohousing, 41 Passive Houses with on-site renewable energy distribution	Matthew O’Malia   Design/ Build/ Refine/ Repeat: A systems approach for Passive House construction in North America	Clarence Rose, Dragomir Tzaney   Set of Solutions & lessons from the new Passive House regions 1) Pietrobon   Mediterranean Passive House solutions towards nearly zero energy buildings in italian regions
13:00	LUNCH			
	Session XIII: Living: examples and mechanical systems*	Session XIV: Experiences: integrated design and use*	Session XV: Tools and applications	Session XVI: EnerPHit: Passive House Retrofit
14:30	Martin Treberspurg   Passive House residential complex in Vienna’s Kaisermühlenstraße	Astrid Müller   Energy concept Aachen Richtericher Dell	H. Malzer, D. Edwards   designPH – 3D Passive House design tool	Zeno Bastian   International EnerPHit-certification criteria
14:55	Michael Müller   Passive House dormitory	Peter Lückerrath   Interface management in Passive House buildings	Georgios Dermentzis   Heat pumps in Passive Houses – PHPP application	1) Butcher, Herring   EnerPHit barn conversion: achieving high thermal performance & structural stability
15:20	Peter Tappler   Indoor air quality in energy efficient residential new builds	Ingo Höffle   Integrated design and cost-effectiveness of Passive House office buildings	Maria del Carmen Rivero   Adapting the PHPP to Mexican social housing: the challenges of creating the DEEVi tool	2) Barbosa   Passivhaus Refurbishment in Mexico City 3) Sevela   Energy refurbishment of heritage buildings with PHPP’s and real measurements’ feedback
15:45	Jürgen Schnieders   Experience with a drain water heat recovery	Bernhard Frohn   Balanced Office Building – BOB.Aachen: 10 years of building use	Nick Grant   Internal heat gains	4) Janetti   Internal insulation applied to a listed school building: in situ measurements and numerical analysis
16:10	Erwin Nolde   Grey water recycling and heat recovery – a steppingstone from Passive House to zero-energy buildings?	1) Teizer   Cost and pay-off comparison: Passive House office building and German legal requirements 2) Psyk   Use of geothermal energy in a renovated office building 3) Jünnemann   Resident consulting – involving residents in the refurbishment process	1) Arnăutu   PHPP interface certification 2) Vide Lutman   Seismic Foundation Pillow 3) Dinis Alves   Building with Passivhaus requirements: thermal bridge modelling and thermal influence	5) Hrynyszyn   Passive House – an option for a modern rorbu? 6) Jacobs   High performance insulation: technology innovation and tailoring for replication 7) Stuart, Guermanova   Whole-life carbon assessment: EnerPHit of typical British house vs. new built Passivhaus
16:35	1) Kraus   Compact heat pump systems and drinking water regulations 2) Schwarz   Switzerland’s first high-rise residential building according to Minergie-P-ECO			
16:45	COFFEE BREAK			
			PLENARY SESSION   Europa Hall	Subject to alterations
			17:15 Wolfgang Feist   Passive House – the next decade	
			18:00 End of conference	* Session held in German with translation into English