



IEE PassREg

PASSIVE HOUSE REGIONS WITH RENEWABLE ENERGIES

Task 2.1.2/4.1.1

LONG LIST OF SOLUTIONS

DERIVED FROM THE CASE STUDY OF FRONT RUNNER
REGIONS

Coordinator: DNA

Table of Content

- 1 KNOWLEDGE AND QUALITY ASSURANCE**
- 2 BUSINESS CASE AND FINANCING**
- 3 REGULATIONS AND POLITICAL AGENDA**
- 4 TRANSITION PROCESS**

Theme 1 KNOWLEDGE AND QUALITY ASSURANCE

BEST PRACTICE EXAMPLES ON RENEWABLE ENERGY SUPPLIES IN PASSIVE HOUSE NEIGHBOURHOODS

[Lodenareal, Innsbruck](#)
[Solarsiedlung Freiburg](#)
[Zero e-Park, Hannover](#)
[Kronsberg, Hannover](#)
[Bahnstadt, Heidelberg](#)

BEST PRACTICE EXAMPLES ON CLIMATE AND OTHER LOCAL CONDITIONS

[Zero e-Park, Hannover](#)
[Louvain-La-Neuve Childcare Centre](#)
[Saint François Street](#)
[Lodenareal, Innsbruck](#)
[Ischgl community center with EQ](#)

SOLUTIONS FOR PLANNING AND DESIGN

[Passive house planning package, PHPP](#)
[Autodesk Ecotect Analysis](#)
[BeGlobal Software](#)

PRELIMINARY DESIGN INFORMATION TOOLS

[Solaratlas Hannover](#)
[Shallow Geothermal Energy](#)

SOLUTIONS FOR QUALITY ASSURANCE

[Certification criteria Passive houses and EnerPHit](#)
[Quality Assurance for Passive Houses](#)
[Quality Assurance for Renewable Energy in Passive houses](#)
[Quality Assurance for Solar Energy](#)
[Particulate Reduction in wood heating](#)
[Hydraulic Balancing](#)

SAMPLE CONTRACTS FOR PASSREG PROJECTS

[Sample Contract for functional contracting](#)
[Sample Contract for Design-Build-Financing-Operation-Maintenance \(DBFMO\)](#)
[Sample contract for LEAN](#)

INFORMATIVE MATERIAL FOR POLITICAL DECISION MAKERS

[Renewable Energy Policy Review, Brussels 2004](#)
[Brussels-Capital Region Passive Standard Directive](#)
[Energy Efficiency Action Plan for the Brussels-Capital Region \(EEAP\)](#)
[Be Passive Magazine](#)
[P.L.A.G.E. Manual for Energy Facilitators](#)
[Climate Protection in Hannover](#)
[Integrated Energy and Climate Protection Policy Hannover](#)
[Exemplary analysis of the climate protection policy in Hannover province capital](#)
[Energy Concept District Planning Hannover-Kronsberg](#)
[Local Participation in Agenda 21](#)

[City Council Decision on CO2 Reductions, 2008](#)
[Establishment of Hannover District Kronsberg](#)
[Master Plan 100% for Climate Protection](#)
[Development of zero:ne park Hannover-Wettbergen](#)
[Hannover Ten Plus](#)
[German Energy Saving Ordinance \(EnEV 2009\)](#)

INFORMATIVE MATERIAL FOR PUBLIC BUILDING OWNERS

[P.L.A.G.E. Manual](#)
[P.L.A.G.E. Hospitals](#)
[P.L.A.G.E. Public Housing Projects \(SISP\)](#)
[SLRB-Info](#)
[Data portal on Policies and Regulations aiming on reduction of energy consumption of buildings in Europe](#)

INFORMATIVE MATERIAL FOR PRIVATE INVESTORS

[Exemplary Buildings, a publication of Brussels Environment](#)
[From Eco-Building to Sustainable City, a publication of Brussels Environment](#)
[Sustainable Neighbourhoods Application, a publication of Brussels Environment](#)
[Green Loans](#)
[Ecodynamic Company Label](#)
[EPB Regulations](#)
[100 Tips on Protecting the Environment and Saving Energy](#)
[Ecological Standards for Building Construction](#)
[Ecological Building in Hannover](#)
[Energy-efficient retrofit in Hannover](#)
[Subsidy Programs for Passive Houses](#)

INFORMATIVE MATERIAL FOR DESIGNERS

[Rénover en basse consommation](#)
[Sustainable Energy Design Guidelines](#)
[EPB Guidelines for Architects](#)
[EPB Information Session for Architects, 2008](#)
[BeGlobal Software](#)
[Passive House Conference](#)

INFORMATIVE MATERIAL FOR BUILDING COMPANIES

[A Bruxelles, les bâtiments exemplaires se racontent](#)
[EPB Heating Regulations for Technicians](#)
[What Ventilation for My Passive House?](#)
[What Windows for My Passive House?](#)
[“Zero-energy house” in Dörpe near Hannover](#)
[Passive House Settlement “Lummerlund”](#)

INFORMATIVE MATERIAL FOR BUILDING CERTIFIERS

[Passive House Certification Criteria](#)
[Energy Performance of Buildings \(EPB\) Certification](#)
[Certification criteria Passive houses and EnerPHit](#)

OVERVIEW OF TRAININGS INSTITUTIONS

[Sustainable Building Facilitator Network](#)
[The Employment-Environment Alliance \(AEE\)](#)
[Plateforme Maison Passive \(PMP\)](#)
[Passiefhuis Platform \(PHP\)](#)
[Professional Reference Centre for Construction](#)
[Brussels Enterprise Agency](#)
[ProKlima Climate Protection Fund](#)
[KUKA Kronsberg Environmental Liaison Agency](#)
[Climate Protection Agency – Hannover Region](#)
[Climate Alliance Hannover 2020](#)
[Ecoprofit Partnership](#)
[Hannoverimpuls](#)

Theme 2 BUSINESS CASE AND FINANCING

INVESTMENT AND DECISION MODELS

[Investment and decision Models in Frontrunner region Hannover](#)

[Investment and decision Models in Frontrunner region Brussels](#)

[Investment and decision Models in Frontrunner region Tyrol](#)

EXAMPLES OF FINANCIAL ARRANGEMENTS/CONTRACTS

[Examples of financial arrangements and contracts in Hannover](#)

EXAMPLES OF RENTAL AND LEASING CONTRACTS THAT INCLUDE HEATING/COOLING COSTS

[Rental models including heating \(DE\)](#)

TENDERING EXAMPLES

[Harenberg](#)

[Frontispice](#)

[Gryson](#)

[Ixelles Emploi](#)

Theme 3 REGULATIONS AND POLITICAL AGENDA

EXAMPLES OF INTEGRATED LETTERS OF INTENT/DESCRIPTION OF POLICY ON ENERGY EFFICIENCY (AND RENEWABLE ENERGY SUPPLY)

[Brussels passivehouse 2015](#)

EXAMPLES OF QUALITY/PERFORMANCE-BASED REGULATION EXAMPLES INCLUDING CERTIFICATION

[Building regulations and city council resolutions](#)

[Information for building owners](#)

[Kreditanstalt für Wiederaufbau, KfW](#)

DESCRIPTIONS OF SUBSIDIZING LONG TERM INVESTMENTS, FUNDING SCHEMES

[ProKlima--"Enercity--Fonds"](#)

[Hannover-Kinder-Bauland-Bonus](#)

[Kreditanstalt für Wiederaufbau, KfW](#)

[BAFA](#)

["Exemplary Building" fund](#)

[Energy subsidies](#)

[Green Loans](#)

[Federal tax reduction for passive construction](#)

DESCRIPTION OF INCENTIVES FOR THE ENGAGEMENT OF INDUSTRY TO INCREASE THE NUMBER OF SUITABLE PRODUCTS AVAILABLE LOCALLY

[Ecoprofit](#)

[ImpulsProgramme Passive House](#)

[Regular local forums and exhibitions](#)

[The Employment-Environment Alliance](#)

[Brussels Enterprise Agency \(BEA\)](#)

EXAMPLES OF TAXATION

[Tax incentives for deep refurbishment measures](#)

[Tax incentive for energy efficient buildings](#)

[Tax reductions for existing building refurbishment](#)

[Lower VAT rates for investment in refurbishment works](#)

[Federal tax reduction for passive construction](#)

Theme 4 TRANSITION PROCESS

SCHEME OF PROCESS FOR INTEGRATED APPROACH

[Process of elaborating local climate action program](#)
[Climate Alliance Hannover 2020](#)
[Sustainable Neighbourhood Contracts](#)
[Austrian Climate Protection Initiative \(klima:aktiv\)](#)
[Austrian Energy Agency \(AEA\)](#)
[Guideline for climate protection settlements design](#)

MODELS OF IMPLEMENTATION OF KNOWLEDGE

[Capacity building in the City Administration](#)
[Support for education and trainings in the City of Hannover](#)
[Transfer of environmentally sound technology, cooperation and capacity building](#)
[Courses in higher education institutions: involvement of all stakeholders](#)
[Green Building Cluster of Lower Austria](#)
[Energy Academy Tyrol](#)

EXAMPLES OF STREAMLINED CONSULTING SCHEMES

[Professional Reference Centre for Construction](#)
[Sustainable Building Facilitator Network](#)
[Elaboration of Local climate-action-programs e.g. by the Municipality of Seelze](#)
[Energy consulting Tyrol](#)


EXAMPLES OF INTEGRAL STRATEGIC DEVELOPING PROGRAMMES AND REGIONAL ACTION PLANS WITH LOCAL STAKEHOLDERS

[Local Action Plan for Energy Management \(P.L.A.G.E.\)](#)
[Kronsberg Environmental Liaison Agency \(KUKA\)](#)
[Local climate-action-Programs](#)
[City of Frankfurt_Energie and Climate Protection Concept_2008_final_report](#)
[Tyrolean Energy Strategy 2020 \(Tiroler Energiestrategie 2020\)](#)

COMMUNICATION STRATEGIES

 [Regional communication strategies](#)
 [International communication strategies](#)

INFORMATION KIT FOR POLITICAL DECISION MAKERS

[Active for more comfort: The Passive House](#)
 [Passive House with RE pamphlet](#)
[Tevesstrasse project report](#)
[Passive House Architecture Award book](#)
[Affordable multi-story passive houses in dense residential areas \(Das kostengünstige mehrgeschossige Passivhaus in verdichteter Bauweise\)](#)
[Das kostengünstige mehrgeschossige Passivhaus in verdichteter Bauweise](#)
[Energieperspektiven für Gebäude](#)
[Passive House Basics](#)
[Passive House examples](#)
[Klimaschutzregion Hannover](#)
[ProKlima Website](#)
[Klimaschutz & Energie in Hannover](#)

[Passivhaus Plattform](#)
[Solaratlas Hannover](#)
[ProKlima newsletter](#)
[KlimaInfos](#)
[Overview on funding on climate protection in Hannover region](#)
[Who does what on climate protection? \(Wer macht was im Klimaschutz?\)](#)
[Technical pamphlets, flyers ect.](#)
[ProKlima-Businesses](#)
[ProKlima-Productlist](#)
[ProKlima-Funding](#)
[ProKlima Annual report](#)
[Climate Alliance Hannover 2020](#)
[Masterplan 2050](#)
[CO2 report](#)
[E.coBizz - Energy-efficiency for Businesses](#)
[Power-heat-coupling](#)
[Lust auf Solar](#)
[Heat with wood – the campaign](#)
[Zum Glück ein Passivhaus!](#)
[Wind-energy](#)
[School, Education and Sparetime \(Schule, Bildung und Freizeit\)](#)

INFORMATION KIT FOR PUBLIC BUILDING OWNERS

[Active for more comfort: The Passive House](#)



[Passive House pamphlet](#)
[Tevesstrasse project report](#)
[Passive House Architecture Award book](#)
[User-guide for multi-storey construction in passive house standard \(Nutzerhandbuch für den Geschoßwohnungsbau in Passivhaus-Standard\)](#)
[Energieperspektiven für Gebäude](#)
[Passive House Basics](#)
[User experiences & behaviour](#)
[Passive House examples](#)
[Klimaschutzregion Hannover](#)
[ProKlima Website](#)
[Klimaschutz & Energie in Hannover](#)
[Passivhaus Plattform](#)
[Solaratlas Hannover](#)
[ProKlima newsletter](#)
[KlimaInfos](#)
[Overview on funding on climate protection in Hannover region](#)
[Who does what on climate protection? \(Wer macht was im Klimaschutz?\)](#)
[Technical pamphlets, flyers ect.](#)
[ProKlima-Businesses](#)
[ProKlima-Productlist](#)
[ProKlima-Funding](#)
[ProKlima Annual report](#)
[Climate Alliance Hannover 2020](#)
[Masterplan 2050](#)
[CO2 report](#)
[E.coBizz - Energy-efficiency for Businesses](#)

[Power-heat-coupling](#)

[Lust auf Solar](#)

[Heat with wood – the campaign](#)

[Zum Glück ein Passivhaus!](#)

[Wind-energy](#)

[School, Education and Sparetime \(Schule, Bildung und Freizeit\)](#)

INFORMATION KIT FOR PRIVATE INVESTORS

[Active for more comfort: The Passive House](#)



[Passive House with RE pamphlet](#)

[Tevesstrasse project report](#)

[Passive House Architecture Award book](#)

[User-guide for multi-storey construction in passive house standard \(Nutzerhandbuch für den Geschößwohnungsbau in Passivhaus-Standard\)](#)

[Energieperspektiven für Gebäude](#)

[Passive House Basics](#)

[User experiences & behaviour](#)

[Passive House examples](#)

[Klimaschutzregion Hannover](#)

[ProKlima Website](#)

[Klimaschutz & Energie in Hannover](#)

[Passivhaus Plattform](#)

[Solaratlas Hannover](#)

[ProKlima newsletter](#)

[KlimaInfos](#)

[Overview on funding on climate protection in Hannover region](#)

[Who does what on climate protection? \(Wer macht was im Klimaschutz?\)](#)

[Technical pamphlets, flyers ect.](#)

[ProKlima-Businesses](#)

[ProKlima-Productlist](#)

[ProKlima-Funding](#)

[ProKlima Annual report](#)

[Climate Alliance Hannover 2020](#)

[Masterplan 2050](#)

[CO2 report](#)

[E.coBizz - Energy-efficiency for Businesses](#)

[Power-heat-coupling](#)

[Lust auf Solar](#)

[Heat with wood – the campaign](#)

[Zum Glück ein Passivhaus!](#)

[Wind-energy](#)

[School, Education and Sparetime \(Schule, Bildung und Freizeit\)](#)

INFORMATION KITS/EDUCATIONAL MATERIAL FOR DESIGNERS

[Active for more comfort: The Passive House](#)



[Passive House with RE pamphlet](#)

[Tevesstrasse project report](#)

[Passive House Architecture Award book](#)

[User-guide for multi-storey construction in passive house standard \(Nutzerhandbuch für den Geschößwohnungsbau in Passivhaus-Standard\)](#)

[User-guide for construction of passive houses \(Konstruktionshandbuch für Passivhäuser\)](#)

[Energieperspektiven für Gebäude](#)
[Passive House Basics](#)
[Planning a Passive House](#)
[Quality Assurance](#)
[Passive House examples](#)
[Passive Houses for different climate zones](#)
[Passive Houses in South West Europe](#)
[Passive house planning package, PHPP](#)
[Klimaschutzregion Hannover](#)
[ProKlima Website](#)
[Klimaschutz & Energie in Hannover](#)
[Passivhaus Plattform](#)
[Solaratlas Hannover](#)
[ProKlima newsletter](#)
[Informational material on climate protection](#)
[Overview of Grants and Incentives](#)
[Overview on funding on climate protection in Hannover region](#)
[Who does what on climate protection? \(Wer macht was im Klimaschutz?\)](#)
[Technical pamphlets, flyers ect.](#)
[ProKlima-Businesses](#)
[ProKlima-Productlist](#)
[ProKlima-Funding](#)
[ProKlima Annual report](#)
[Climate Alliance Hannover 2020](#)
[Masterplan 2050](#)
[ProKlima- List of qualified planners and companies](#)

INFORMATION KITS/EDUCATIONAL MATERIAL FOR BUILDING INDUSTRY

[Active for more comfort: The Passive House](#)



[Passive House with RE pamphlet](#)
[Tevesstrasse project report](#)
[User-guide for multi-storey construction in passive house standard \(Nutzerhandbuch für den Geschößwohnungsbau in Passivhaus-Standard\)](#)
[User-guide for construction of passive houses \(Konstruktionshandbuch für Passivhäuser\)](#)
[Passive House Basics](#)
[Quality Assurance](#)
[Passive House examples](#)
[Klimaschutzregion Hannover](#)
[ProKlima Website](#)
[Klimaschutz & Energie in Hannover](#)
[Passivhaus Plattform](#)
[Solaratlas Hannover](#)
[ProKlima newsletter](#)
[KlimaInfos](#)
[Overview on funding on climate protection in Hannover region](#)
[Who does what on climate protection? \(Wer macht was im Klimaschutz?\)](#)
[Technical pamphlets, flyers ect.](#)
[ProKlima-Businesses](#)
[ProKlima-Productlist](#)
[ProKlima-Funding](#)

[ProKlima Annual report](#)
[Climate Alliance Hannover 2020](#)
[Masterplan 2050](#)
[ProKlima- List of qualified planners and companies](#)
[Passive Houses for different climate zones](#)
[Passive Houses in South West Europe](#)
[Passive house planning package, PHPP](#)

INFORMATION KITS/EDUCATIONAL MATERIAL FOR THE MANUFACTURING INDUSTRY

[Active for more comfort: The Passive House](#)



[Passive House with RE pamphlet](#)

[“Tevesstrasse” project report](#)

[Ventilation systems which are cost effective and suitable for Passive Houses for multi-storey residential buildings](#)

[Passive House Basics](#)

[Passive House examples](#)

[Klimaschutzregion Hannover](#)

[Passive House windows](#)

[Building services](#)

[ProKlima Website](#)

[Klimaschutz & Energie in Hannover](#)

[Passivhaus Plattform](#)

[Solaratlas Hannover](#)

[ProKlima newsletter](#)

[KlimaInfos](#)

[Overview on funding on climate protection in Hannover region](#)

[Who does what on climate protection? \(Wer macht was im Klimaschutz?\)](#)

[Technical pamphlets, flyers ect.](#)

[ProKlima-Businesses](#)

[ProKlima-Productlist](#)

[ProKlima-Funding](#)

[ProKlima Annual report](#)

[Climate Alliance Hannover 2020](#)

[Masterplan 2050](#)

[ProKlima- List of qualified planners and companies](#)