Development of an Energy Simulation Software - BCORE

Energy Efficiency Workshop

Author: Lara Febrero, Diego J. Diarte
Speaker: Lara Febrero

June 22, 2017 Baiona, Spain
Introduction

Operation of the Software

Step by Step: A Complete Project
Automated energy simulation and calibration software tool for buildings

Own development

Web access

Friendly interface

Languages: English and Spanish
Operation of the Software

Energy Simulation Software - BCORE

June 22, 2017 Baiona, Spain
SketchUp + OpenStudio plug-in

This software is part of a project that has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No. 720661
Step by Step: A Complete Project

Energy Simulation Software - BCORE

June 22, 2017 Baiona, Spain
Step by Step: A Complete Project

SIMULATION

CALIBRATION

Real Data → Consumption
Calibration Parameter → Infiltration
Step by Step: A Complete Project

ENERGY CONSERVATION MEASURES

RESULTS

Heating Demand: Monthly analysis

Temperature | Power | Demand | Weather data | Generate Report

Energy Simulation Software - BCORE

June 22, 2017 Baiona, Spain
Development of an Energy Simulation Software - BCORE

Energy Efficiency Workshop

Author: Lara Febrero, Diego J. Diarte
Speaker: Lara Febrero

June 22, 2017 Baiona, Spain