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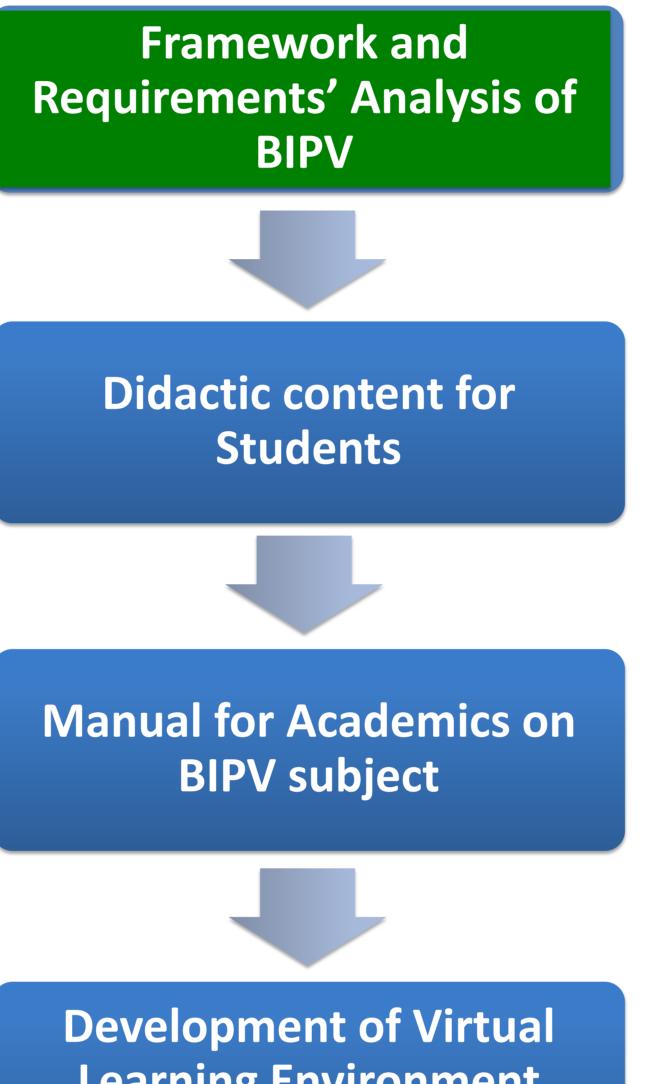
Introduction

Currently a gap exists in the knowledge and skills of graduate architects, engineers, planners and designers etc. in relation to BIPV system installation. The Dem4BiPV project addresses this gap by developing educational material on BIPV for a broad group of stakeholders. The project runs from September 2015 to August 2018.

Project objectives

The project's specific objective is to develop innovative educational material for higher education on the important topic of BIPV while its ultimate aim is to improve the quality and relevance of higher education to the labor market needs, since there is currently a gap in the knowledge and skills of graduate architects, engineers, planners and designers etc. in relation

Activities



Stakeholder survey in the BIPV sector

Before educational material can be developed a thorough analysis of educational needs is performed using a survey among identified stakeholders, i.e. professionals from the building sector (architects, building contractors, building planners, manufacturers of building envelope electrical products, engineers), BIPV (BIPV producers, mounting manufacturers producers, façade manufacturers), systems (PV installers, electricians, façade installers installers), investors, research organisations. In 100 completed questionnaires were total analysed.



Based on outcomes of survey:

i) Development of educational material in a modular way

to BIPV system installation.

Moreover, the intellectual outputs and outcomes of the project including the development of a Virtual Learning Environment (VLE), the design and deployment of remote labs, will enhance digital integration in learning.

Learning Environment (VLE) & Course adaptation



Deployment of remote labs

ii) To accommodate different levels of background knowledge and interest iii) Virtual labs for experimenting with BIPV will be operational in Austria, Cyprus and The Netherlands

Educational need for groups of students and/or professionals in Austria, Cyprus, Germany and Netherlands; n=66

