



PLANET4: Practical Learning of Artificial Intelligence for Industry 4.0 Applications

AI e piattaforme per lo sviluppo sostenibile

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The scenario

European AI Alliance declared that it is necessary to support the knowledge transfer between academic and productive sectors to enable practical and widespread use of AI and ML also in SMEs.

Various studies forecasted a future where billions of Internet of Things (IoT) devices will be distributed in factories enabling novel data-driven business paradigms and modifying the economy by bringing AI in industries

The union of AI and IoT (AIoT) is the future of Industry 4.0

The Need

AIoT offers an innovative computing approach that attempts to drive local data-informed decision-making. The new AIoT paradigm can lead the development of more scalable, secure, reliable and green I4.0 solutions. AIoT requires on the edge decentralized AI architectures

But...the current trend in AI, is to foster the development and teaching of sophisticated solutions that require intensive calculus facilities that will be rarely available on IIoT nodes on the edge

The Gap

It is Universities' responsibility to train a new generation of experts in the application of "AI on the edge" for 4.0 applications

We need to start from the actual companies' needs creating a new AI teaching and knowledge transfer paradigm

This process requires the design, development and test of an innovative teaching method

The PLANET4 Project

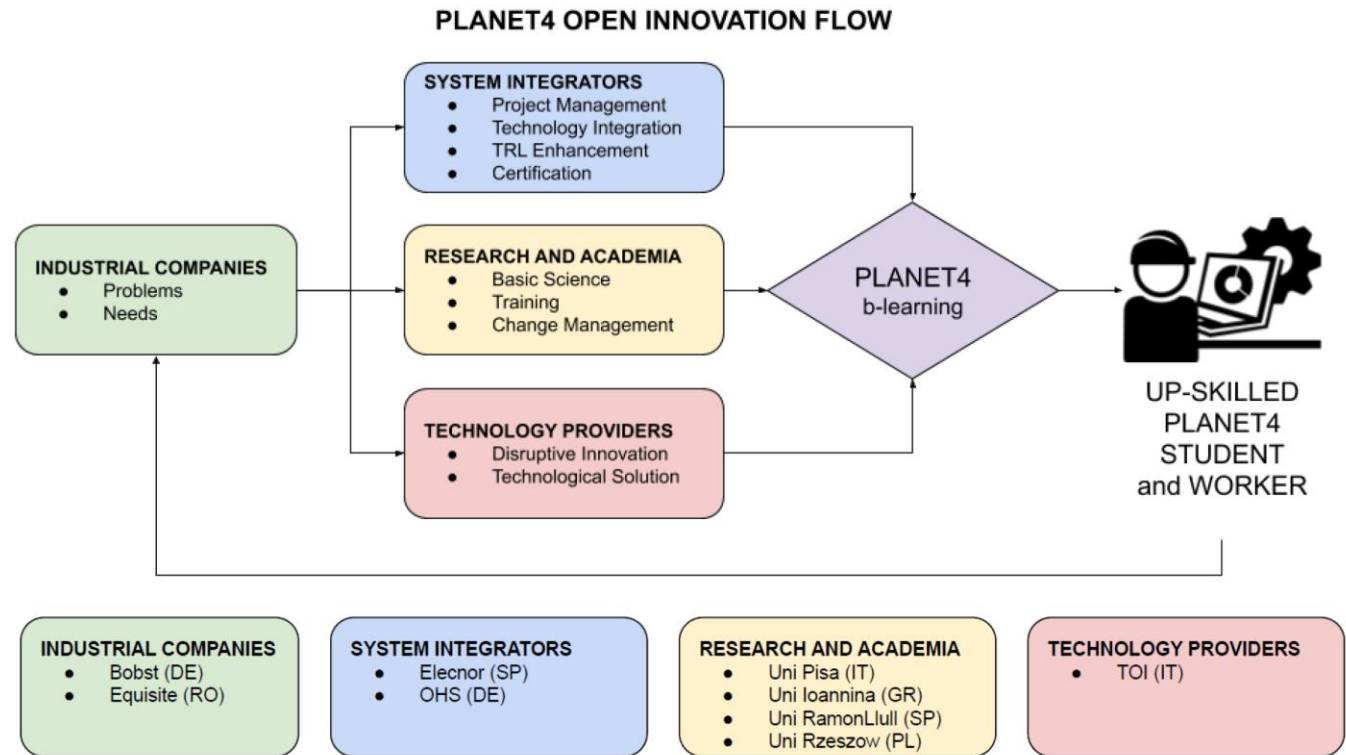
The goal of PLANET4 is to train a new generation of technicians, able to deal with AI and ML and their application on the edge.

The project also seeks to strengthen the bonds within the community of AI and ML experts, to increase the collective knowledge and sustain the educational offer providing students and companies with training materials regularly updated.

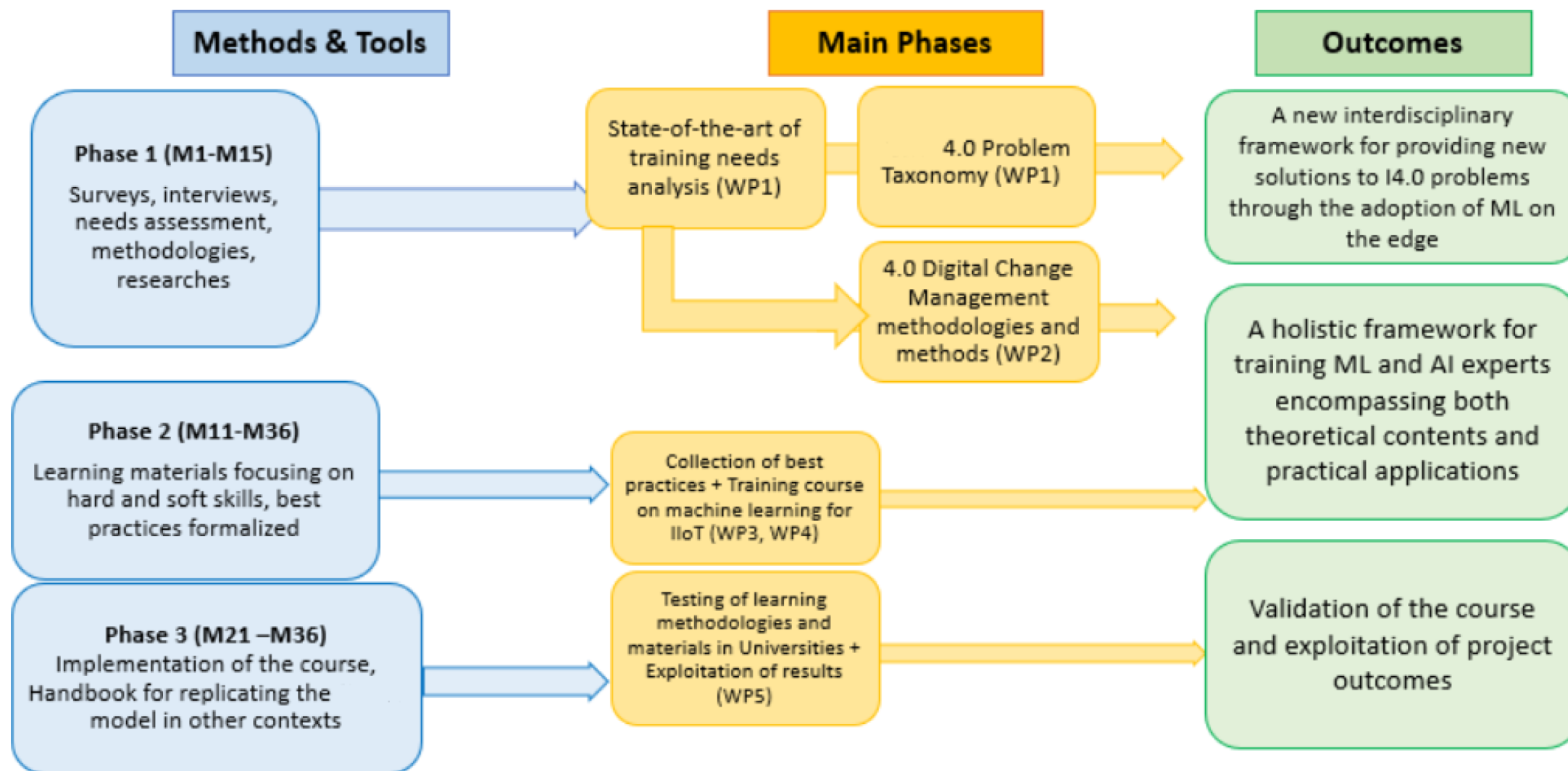
PLANET4 aims at building a framework for facilitating the use of AI and ML technologies in productive sectors

Methodology

PLANET4 aims at designing and implementing an innovative extra-curricular b-learning course on “AI on the edge for I4.0 applications” targeting both University students and employees of companies from manufacturing sectors.



Methodology





Grazie per l'attenzione

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