

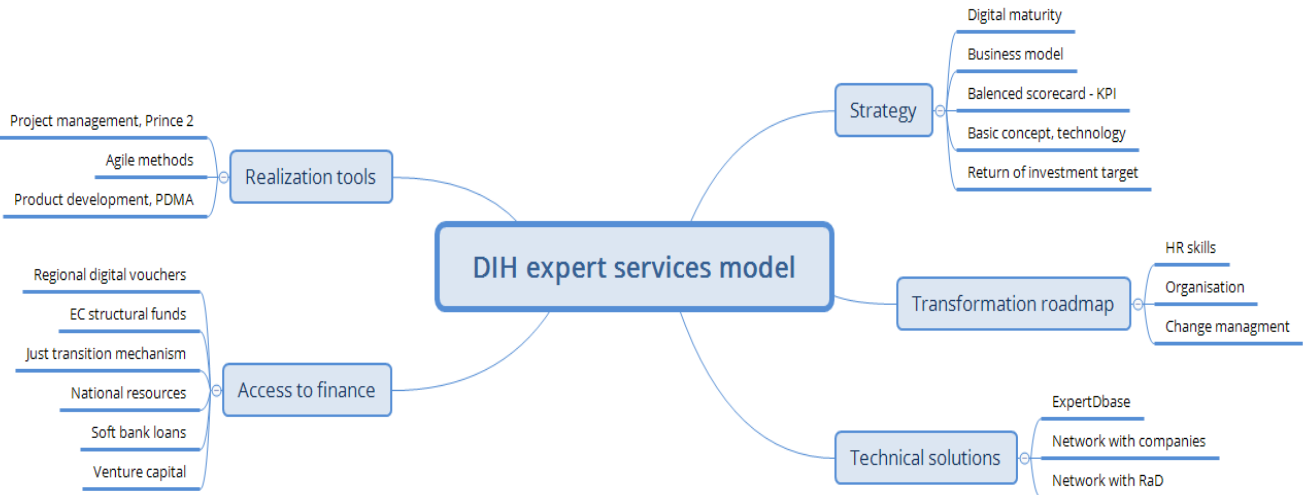
BEST PRACTICES IN ECOS4IN PARTNER REGIONS

USTI REGION - Digital Innovation Hub

One of the main results of ECOS4IN project in Usti region is strengthening role of Digital Innovation Hub. This is our main communication channel for Industry 4.0 promotion (Information Hub).

The mission of DIH (hosted by Innovation centre Usti region – ICUK) is to popularize the introduction and implementation of research activities in the fields of industry 4.0, Smart City, and the Internet of Things. The primary goal is to provide services and support to start-ups and small to medium-sized enterprises in the digitalization of manufacturing.

During project we have developed DIH service model, including typical activities of business support organisations (BSO).



One of important findings was relatively limited role of digital maturity models. Company needs tools for evaluation relationships between digitization product/process innovations, investment, and profit changes. This is usually nonlinear mathematical dependencies. In cooperation with small academic spin off company Science dynamics, we have initiate development of digitization decision support system called BusinessSim.

Software contains artificial intelligence capable work with incomplete data, ideas, plans and “dreams”. Business Sim easily reveals bottlenecks, obstacles, perils, constraints, and flaws of strategy.

System displayed the recommended solutions (strategies) to the submitted question and produce output report of your digitization scenario (product/processes improvement versus impact to cash flow, profit).

System is working with dynamics casual loops (see picture) which is not possible to modelling with excel sheets.

During last stage of ECOS4IN project we have applied together with our lead partner, Czech Technical University Prague for eDIH project.

Main reason is development of business support tools like BusinessSim, wide spreading knowledge base with new knowledge agents and as well further internationalization of our network.

