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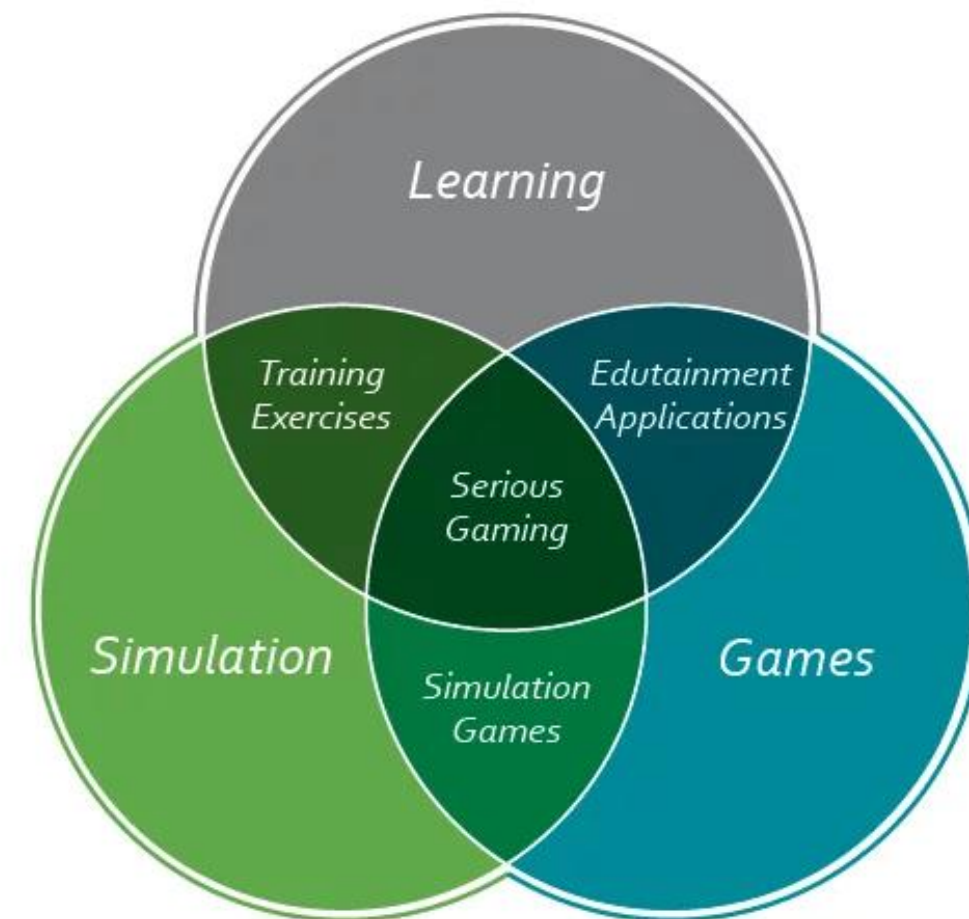
Serious Gaming: An innovative tool to enhance the teaching-learning experience

**XXX International Scientific-Methodical Conference "Managing
Quality of Specialists' Training"
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Introduction to Serious Gaming

- Serious games are innovative and engaging tools **designed with specific learning objectives** or goals. They aim to impart knowledge, develop skills, or change behaviors in players.
- These interactive digital experiences offer a compelling fusion of **entertainment and learning**, making complex concepts more accessible and engaging for students of all ages



Main Benefits

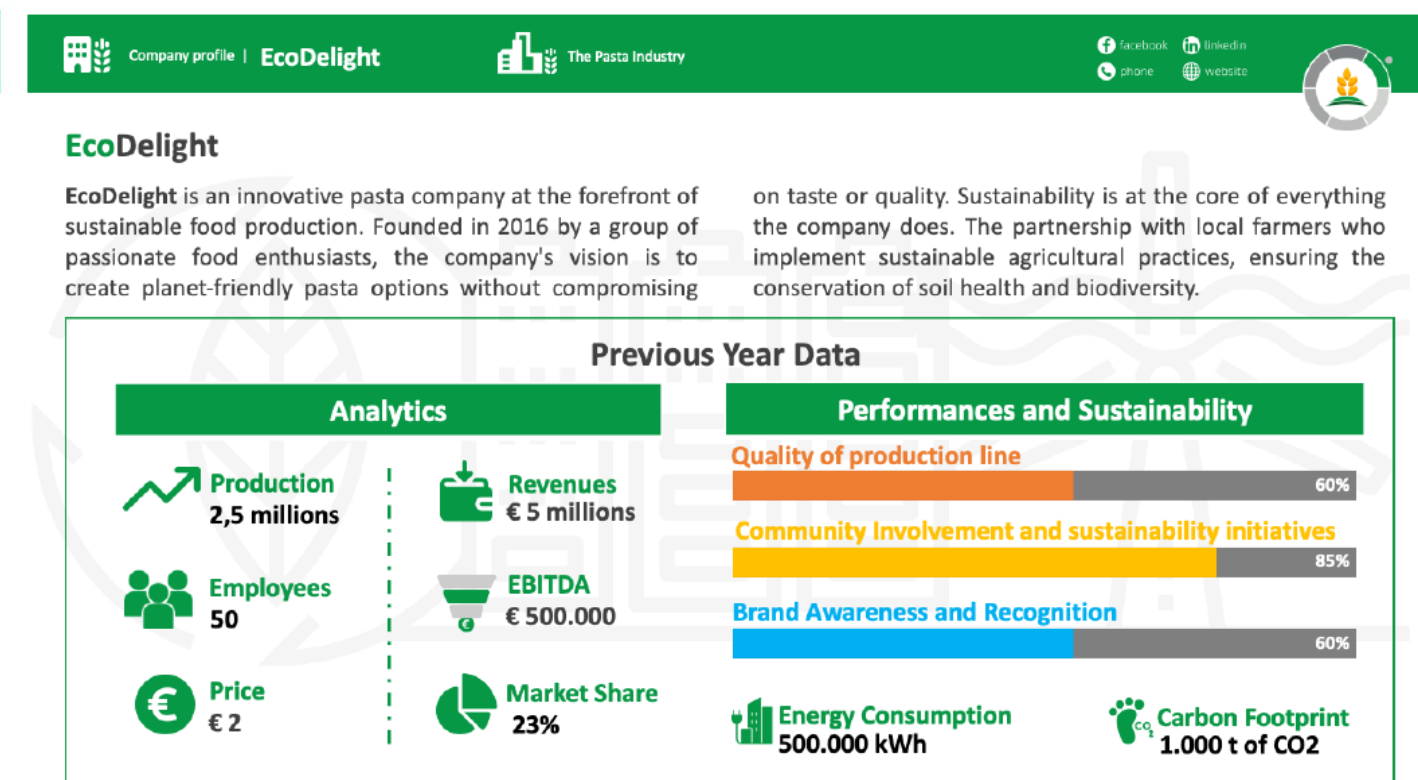
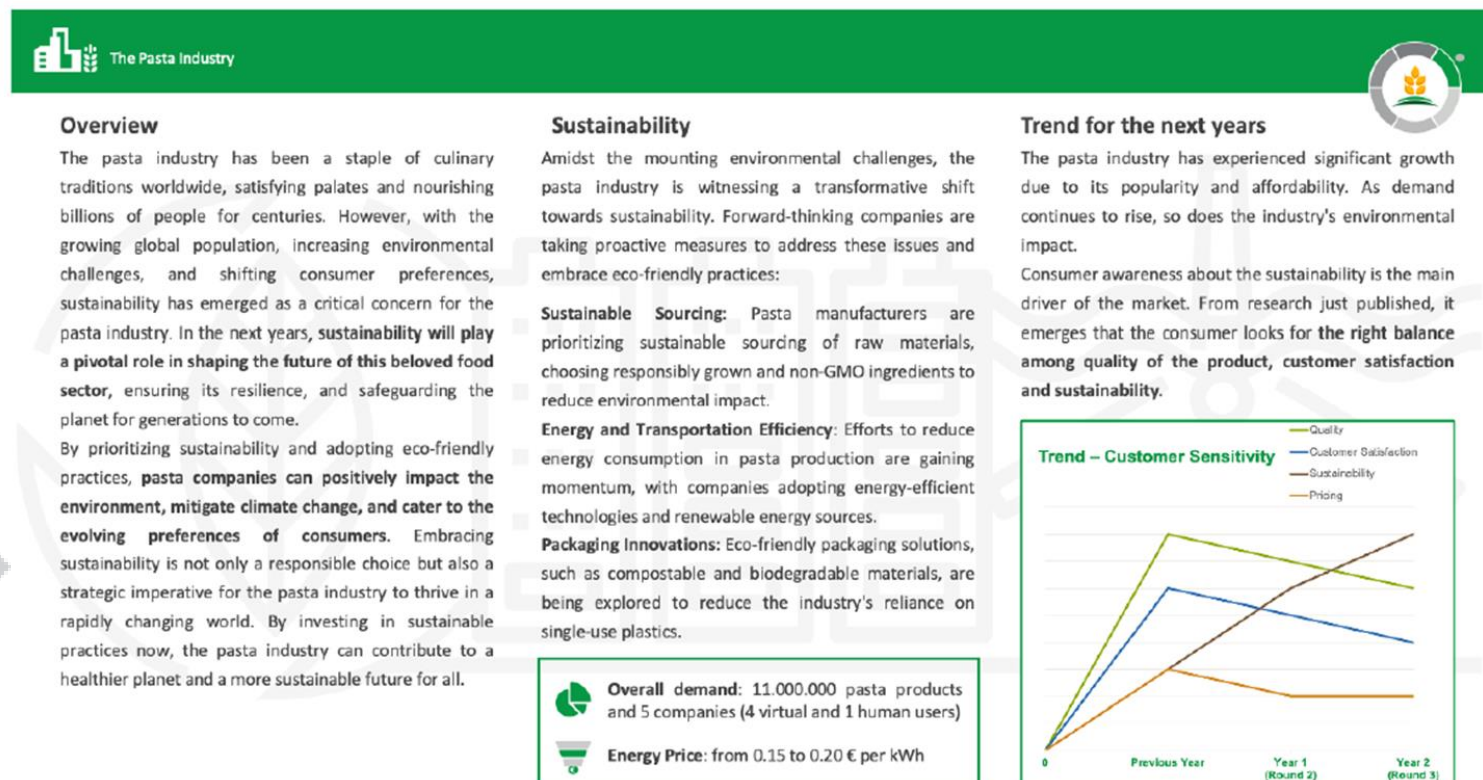
- Unconventional and innovative educational activities
- Learning by doing and learning by playing
- The learning experience is more effective and involving than traditional teaching alone
- To face the changing scenarios and develop flexibility
- To learn different and complex concepts in an easy and involving way
- To stimulate, boost and develop technical and soft skills



Source:
<https://www.chaostheorygames.com/blog/serious-games-guide-everything-you-need-to-know-in-2021>

Business Simulation Game

- Business Simulation Game is an innovative and engaging educational and training tool that allows to replicate the dynamics and logics of a specific business scenario.
- Users, individually or in team, **face a competitive situation** in order to stimulate the application of their problem solving, creativity, strategic analysis and decision-making skills.
- The task is to lead a virtual company **analysing data and making strategic decisions** within the game, which have consequences on the outcome.
- These decisions involve areas such as marketing, human resources, innovation and sustainability.



RES4CITY Business Simulation Game

The user plays the role of Sustainability Advisor, checking and evaluating the “**Pasta**” **industry scenario** and four company profiles. The business simulation game has been developed using Artémat’s proprietary web-based platform with client-server architecture Business Game Studio, and it is composed of three rounds/steps:

- **First round:** the user must analyse and evaluate the industry, and the fact sheets of four companies - and then select one in order to lead that company in the second and third rounds.
- **Second and third round:** the user leads the selected company, making decisions about the main strategic choices that characterize the market. The task is the complete management of the business, with a specific focus on innovation and sustainability. The objective is to increase the company’s market value over two years.



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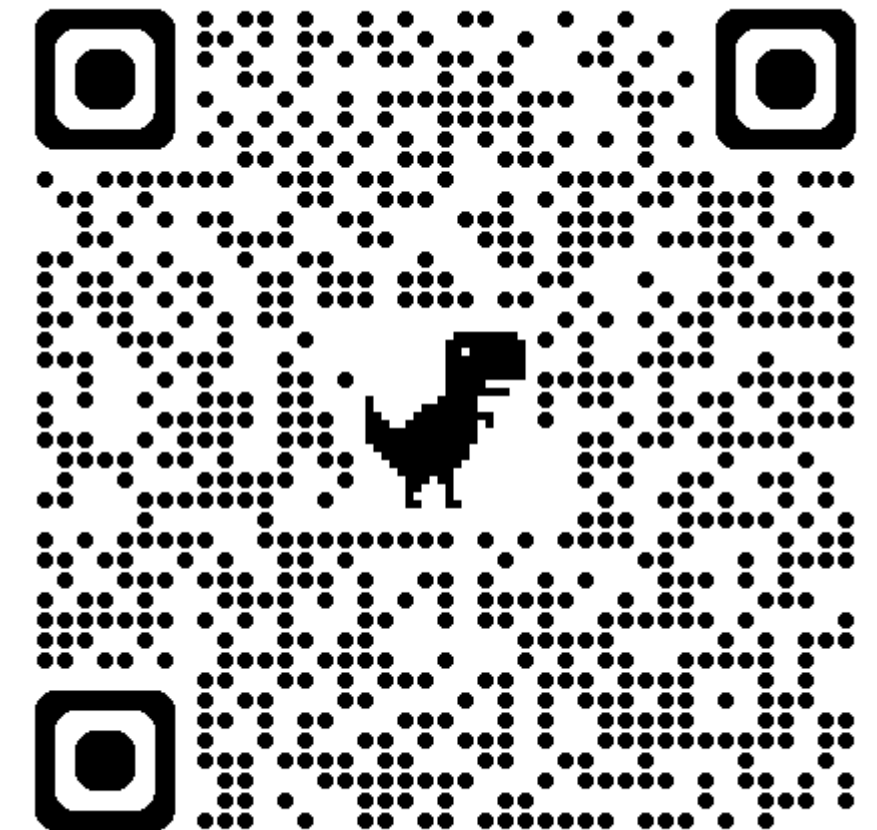
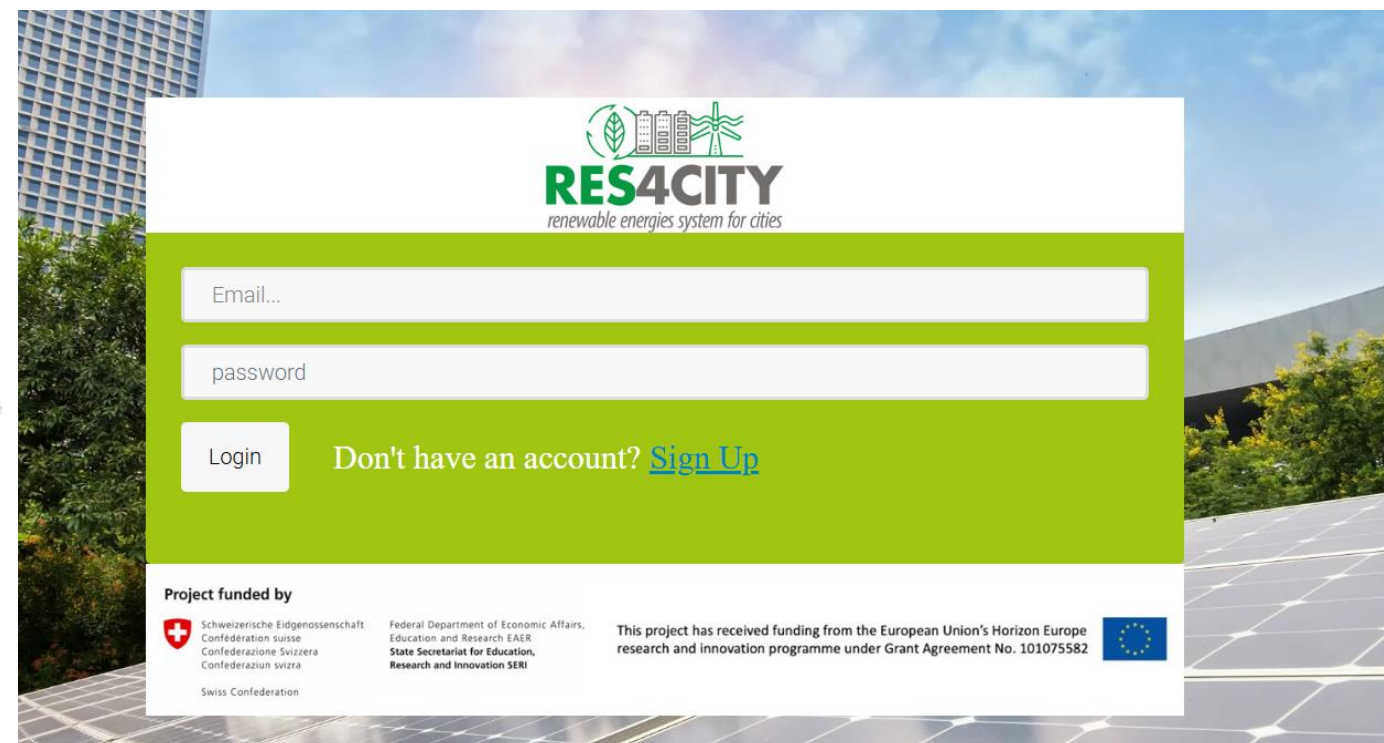
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RES4CITY Role Play Game

In Role Play Game the Players play a role and interacts with other subjects which are virtually simulated. Emails and messages are exchanged, decisions are taken, and other interactions are simulated.

RES4CITY project developed a role play game focuse on Energy Communities.

Link to play: <https://res4city.artematlab.org/roleplaygame>



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THANKS FOR YOUR ATTENTION!

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