




# Using Monopoly as a Tool for Teaching Sustainability

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Co-funded by the Erasmus+ Programme of the European Union





**INDUSTRIES:**

- FASHION
- BANKING
- ENVIRONMENT
- CHEMICALS & PLASTICS
- ENERGY
- AVIATION
- CONSTRUCTION
- FOOD & BEVERAGES

<b>Money (MN)</b>	<b>Wellbeing (WB)</b>
<p><b>Public property</b>     Pay usage fee to owner(s)</p> <p><b>Private property</b>     Pay usage fee to owner and tax to the bank</p> <p><b>Partnership requires exactly 2 players to share all costs &amp; fees</b></p>	<p>Add/Remove wellbeing coins to/from the community</p>

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This project has been funded with support from the European Commission. This publication [communication] reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

**GREEN WASHINGTON**

Pay owner €100 and add 3 WB coins to the community per development unit

**GO ANYWHERE YOU WANT**

Pay owner €40 and remove 2 WB coins from the community per development unit

Pay owner €60 and add 2 WB coins to the community per development unit

**EVENT**

Pay each partner €100 and add 4 WB coins to the community per development unit

Pay owner €50 and remove 2 WB coins from the community per development unit

**Low-Cost Airlines**

Pay owner €100 and remove 5 WB coins from the community per development unit

**ADD 5 WELLBEING COINS TO THE COMMUNITY**

Pay owner €200 and remove 4 WB coins from the community per development unit

**EVENT**

Pay owner €100 and add 3 WB coins to the community per development unit

**Co-Sky National Airlines**

Pay owner €200 and remove 4 WB coins from the community per development unit

**EVENT**

Pay owner €100 and add 3 WB coins to the community per development unit

**Silicon Social Impact Bombs**

Pay owner €100 and add 4 WB coins to the community per development unit

**Bank-Sol Social Bank**

Pay each partner €100 and add 3 WB coins to the community per development unit

**BPM Private Bank**

Pay owner €100 and remove 3 WB coins from the community per development unit

**McKaleon's Vegetarian Meat Substitute**

Pay owner €100 and add 3 WB coins to the community per development unit

**Capal Beverage Company**

Pay owner €100 and remove 3 WB coins from the community per development unit

**Watrene National Water Company**

Pay each partner €100 and add 4 WB coins to the community per development unit

**Coffico Coffee & Roastery Chain**

Pay owner €50 and remove 2 WB coins from the community per development unit

**EVENT**

Pay owner €50 and add 3 WB coins to the community per development unit

**PET Plastic Recycling Company**

Pay owner €50 and add 3 WB coins to the community per development unit

**GO ANYWHERE YOU WANT**

Pay owner €150 and add 1 WB coin to the community per development unit

**ICM Chemical Producer**

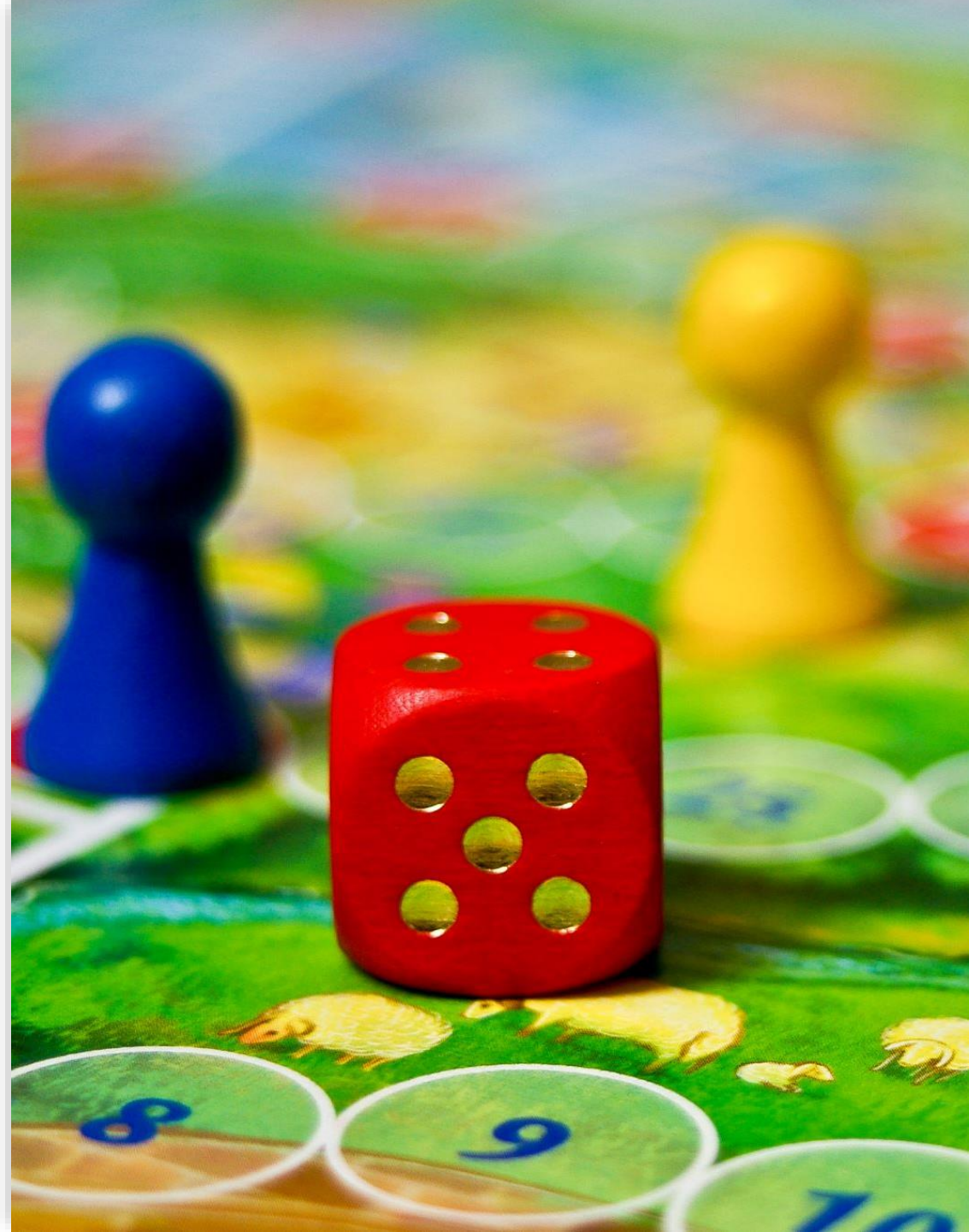
Pay owner €300 and remove 5 WB coins from the community per development unit

**GO**

COLLECT €200 AS YOU PASS AND €400 WHEN YOU STOP

# The Rationale behind the Game

- To expose students to real-world dilemmas where sustainability issues impact asset values
- To feel the tension between private wealth and social welfare
- To foster critical thinking, players must consider the long-term impact of their decisions
- To increase the motivation and the engagement of students in the learning process of complex issues





# Why Monopoly

- popular and familiar game
- The game is closely associated with the principles of capitalism
- Events cards enables to force different type of actions and manipulate the game
- Incorporates both competition and collaboration.
- Emphasizes the role of coincidence in real life, such as extreme weather events
- The game provides ample opportunities for discussions about sustainability topics.





# The Game

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- Two types of currency: regular bills (€) and Wellbeing (blue) coins.
- The competition occurs at two levels: within the group and among other groups.
- Each group needs to secure a minimum level of Wellbeing coins to remain eligible at the end of the game.
- The winner within a group is the one who accumulates the highest amount of money and assets (TBD).
- The group that wins the game is the one with the highest amount of Wellbeing (TBD)



<b>GREEN WASHING</b> WE'VE FINANCED COINS FROM THE COMPANY AND WANT THEM		<b>GO ANYWHERE YOU WANT</b>		<b>EVENT</b>		<b>GO ANYWHERE YOU WANT</b>		<b>EXTREME WEATHER</b> WE'VE FINANCED COINS FROM THE COMPANY AND WANT THEM													
<b>Homeer Private Construction Company</b> COST: £100 per development unit USAGE: Pay owner £200 and remove 2 WB coins from the community per development unit TAX: £50	<b>Hoagy Hospital Construction Company</b> COST: £200 per development unit USAGE: Pay each partner £50 from the community per development unit TAX: £50	<b>MPT National Road Construction</b> COST: £300 per development unit USAGE: Pay owner £250 and remove 1 WB coin from the community per development unit TAX: £50	<b>Smartly Second-Hand Fashion Show</b> COST: £100 per development unit USAGE: Pay owner £20 and remove 2 WB coins from the community per development unit TAX: £50	<b>Private Bank</b> COST: £500 per development unit USAGE: Pay owner £60 and remove 1 WB coin from the community per development unit TAX: £50	<b>Bank-Sol Social Bank</b> COST: £500 per development unit USAGE: Pay each partner £50 from the community per development unit TAX: £50	<b>Silant Social Impact Bonds</b> COST: £300 per development unit USAGE: Pay owner £10 and remove 1 WB coin from the community per development unit TAX: £50	<b>Co-Bly National Airlines</b> COST: £200 per development unit USAGE: Pay owner £200 and remove 1 WB coin from the community per development unit TAX: £50	<b>Low-Cost Airlines</b> COST: £300 per development unit USAGE: Pay owner £50 and remove 1 WB coin from the community per development unit TAX: £50	<b>Dolphin Natural Gas Recovery</b> COST: £300 per development unit USAGE: Pay owner £100 and remove 2 WB coins from the community per development unit TAX: £50	<b>Electricity Company</b> COST: £300 per development unit USAGE: Pay each partner £100 and remove 2 WB coins from the community per development unit TAX: £50	<b>Solar Farm</b> COST: £300 per development unit USAGE: Pay owner £10 and remove 1 WB coin from the community per development unit TAX: £50	<b>Beach</b> COST: £300 per development unit USAGE: Pay owner £80 and remove 1 WB coin from the community per development unit TAX: £50	<b>Toll Road</b> COST: £300 per development unit USAGE: Pay owner £80 and remove 2 WB coins from the community per development unit TAX: £50								
<p style="text-align: center;"> <b>Co-funded by the Erasmus+ Programme of the European Union</b> </p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <div style="text-align: center; margin: 10px 0;">   </div> <p style="text-align: center;"><b>INDUSTRIES:</b></p> <table style="width: 100%; text-align: center;"> <tr> <td><span style="display: inline-block; width: 10px; height: 10px; background-color: #ff69b4; border: 1px solid black;"></span> FASHION</td> <td><span style="display: inline-block; width: 10px; height: 10px; background-color: #d2b48c; border: 1px solid black;"></span> BANKING</td> <td><span style="display: inline-block; width: 10px; height: 10px; background-color: #90ee90; border: 1px solid black;"></span> ENVIRONMENT</td> <td><span style="display: inline-block; width: 10px; height: 10px; background-color: #800080; border: 1px solid black;"></span> CHEMICALS &amp; PLASTICS</td> </tr> <tr> <td><span style="display: inline-block; width: 10px; height: 10px; background-color: #6495ed; border: 1px solid black;"></span> ENERGY</td> <td><span style="display: inline-block; width: 10px; height: 10px; background-color: #3cb371; border: 1px solid black;"></span> AVIATION</td> <td><span style="display: inline-block; width: 10px; height: 10px; background-color: #a9a9a9; border: 1px solid black;"></span> CONSTRUCTION</td> <td><span style="display: inline-block; width: 10px; height: 10px; background-color: #9370db; border: 1px solid black;"></span> FOOD &amp; BEVERAGES</td> </tr> </table> <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%; text-align: center;"> <p><b>Money (MN)</b>      <b>Wellbeing (WB)</b></p> <p> <span style="display: inline-block; width: 10px; height: 10px; background-color: #cccccc; border: 1px solid black;"></span> <b>Public property</b>      Pay usage fee to owner(s)  <span style="display: inline-block; width: 10px; height: 10px; background-color: #cccccc; border: 1px solid black;"></span> <b>Private property</b>      Pay usage fee to owner and tax to the bank  <span style="display: inline-block; width: 10px; height: 10px; background-color: #cccccc; border: 1px solid black;"></span> <b>Partnership requires exactly 2 players to share all costs &amp; fees</b> </p> </div> <p style="text-align: center; font-size: small;">       Project number 619453-EPP-1-2020-1-IL-EPPKA2-CBHE-IP        This project has been funded with support from the European Commission. This publication (communication) reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.     </p>														<span style="display: inline-block; width: 10px; height: 10px; background-color: #ff69b4; border: 1px solid black;"></span> FASHION	<span style="display: inline-block; width: 10px; height: 10px; background-color: #d2b48c; border: 1px solid black;"></span> BANKING	<span style="display: inline-block; width: 10px; height: 10px; background-color: #90ee90; border: 1px solid black;"></span> ENVIRONMENT	<span style="display: inline-block; width: 10px; height: 10px; background-color: #800080; border: 1px solid black;"></span> CHEMICALS & PLASTICS	<span style="display: inline-block; width: 10px; height: 10px; background-color: #6495ed; border: 1px solid black;"></span> ENERGY	<span style="display: inline-block; width: 10px; height: 10px; background-color: #3cb371; border: 1px solid black;"></span> AVIATION	<span style="display: inline-block; width: 10px; height: 10px; background-color: #a9a9a9; border: 1px solid black;"></span> CONSTRUCTION	<span style="display: inline-block; width: 10px; height: 10px; background-color: #9370db; border: 1px solid black;"></span> FOOD & BEVERAGES
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50



BCE ECB EZB EKT EKP 2001

50



INNOVATIVE FINANCE INCLUSION

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50 EURO  
ΕΥΡΩ

50

50



20



BCE ECB EZB EKT EKP 2001

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20



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20 EURO  
ΕΥΡΩ

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2000

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2000 EURO  
ΕΥΡΩ

200



# WELL-BEING Coins



# Example (Food and Beverage)

## **McNature's**

Vegetarian Meat  
Substitute

COST – 500 per each  
development

### Usage

Pay owner 100 and  
add 3 WB coins to  
the community

## **Cospi**

Beverage Company

COST – 200 per each  
development

### Usage

Pay owner 100 and  
remove 3 WB coins  
from the community

## **Waterme**

**National Water  
Company**

COST – 300 per each  
development

### Usage

Pay each partner 100  
and add 4 WB coins  
to the community





# Example (Environment)

## Beach

COST – 300 per each development

### Usage

Pay owner 60 and add 5 WB coins to the community

## Forest

COST – 300 per each development

### Usage

Pay owner 50 and add 5 WB coins to the community

## Toll Road

COST – 200 per each development

### Usage

Pay owner 40 and remove 2 WB coins from the community



Same return on investment. Should we change it?

A central yellow square contains two white five-pointed stars, one above and one below the word "EVENT". Each star is enclosed within a white dashed circular border. The word "EVENT" is written in a bold, italicized, black sans-serif font, centered between the two stars.

***EVENT***



**01**

## ***GREEN ENERGY***

***You have decided to invest  
in renewable energy  
sources.***

***Pay €100 for your  
investment, and add 4  
Wellbeing coins to the  
community for your  
contribution to the  
environment.***

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## ***ENVIRONMENT***

***Climate change: Extreme heat wave reduces labor productivity.***

***Remove 2 Wellbeing coins from the community and go back 7 spaces on the board.***



**31**

## ***GREEN WASHING***

***Your new marketing  
campaign falsely claims  
that your business is more  
environmentally friendly  
than it really is.***

***Go to Green Washing.***



**GREEN  
WASHING**

**REMOVE 4  
WELLBEING COINS  
FROM THE  
COMMUNITY  
AND WAIT 1 TURN**



**33**

## ***GROUP DECISION***

***Nuclear energy is both  
clean and dangerous.***

***Make a group decision.  
If the group decides to use  
nuclear energy to create  
electricity, each player  
pays €100 to the bank and  
the community receives 4  
Wellbeing coins.***

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## ***DISCUSSION TIME***

***Facilitate a discussion with all players on what environmental measures can be used, in a selected industry, to ensure public and private contributions to sustainability.***

***You will be asked to present the conclusions at the end of the game.***

Fashion  
Banking  
Environment  
Chemicals  
Energy  
Aviation  
Construction  
Food



Questions? Ideas?