



# Innovatív megoldások elterjesztése a fenntartható építészetért

## Az ERASMUS+ projekt ismertetése

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# Background of the project

- In the last two years I work in the construction sector on the LCA-related FIEK project
- I studied the sustainability and circularity in this sector
- I listened to a lecture is introduced the one click LCA software for construction and building
- I heard about the Erasmus + project and that an association can apply
- And was born the idea to apply –

## **Spread of Innovation Solution for Sustainable Construction (IS-SusCon)**

- The next task came– search partner!
  - It was given that one will be ÉMI
  - BIONOVA – I asked Panu Pasanen – he said yes
  - Paolo Masoni – Ecoinnovazione – also said yes
- We prepared the application and won!

# Evaluation of project proposal

	Maximum point	Evaluated
Relevance of the project /strategy (relevancia)	30	28
Quality of the project design and implementation	20	18
Quality of the project team and the cooperation arrangements	20	18
Impact and dissemination	30	25
Total	100	89



# Main goals



- ▶ 1. educate and explain to owners why it is important to examine the construction materials available on the market and their properties from a **sustainability perspective before the construction.**
- ▶ 2. highlight the **environmental impacts** associated with housing and its maintenance **from a life cycle approach**, from the extraction of building materials to the end of the life cycle of houses up to demolition, or to the reuse of material origin from demolition.
- ▶ 3. **raising such environmental awareness** related to building materials make and indirect favourable effect on building material manufacturers and designers to make a shift toward an sustainability focus and criteria.



# Expected results

- ▶ a web application that includes environmental data for different building materials (CFP or Energy Content, EPD) and market information (availability, price). Until now, information about technical parameters has been published, but there is no database combining these sustainability aspects. This would be an enhanced version of One Click LCA.
- ▶ a handbook "Practical advice for sustainable smart houses and renovation" to spread of innovation solution.

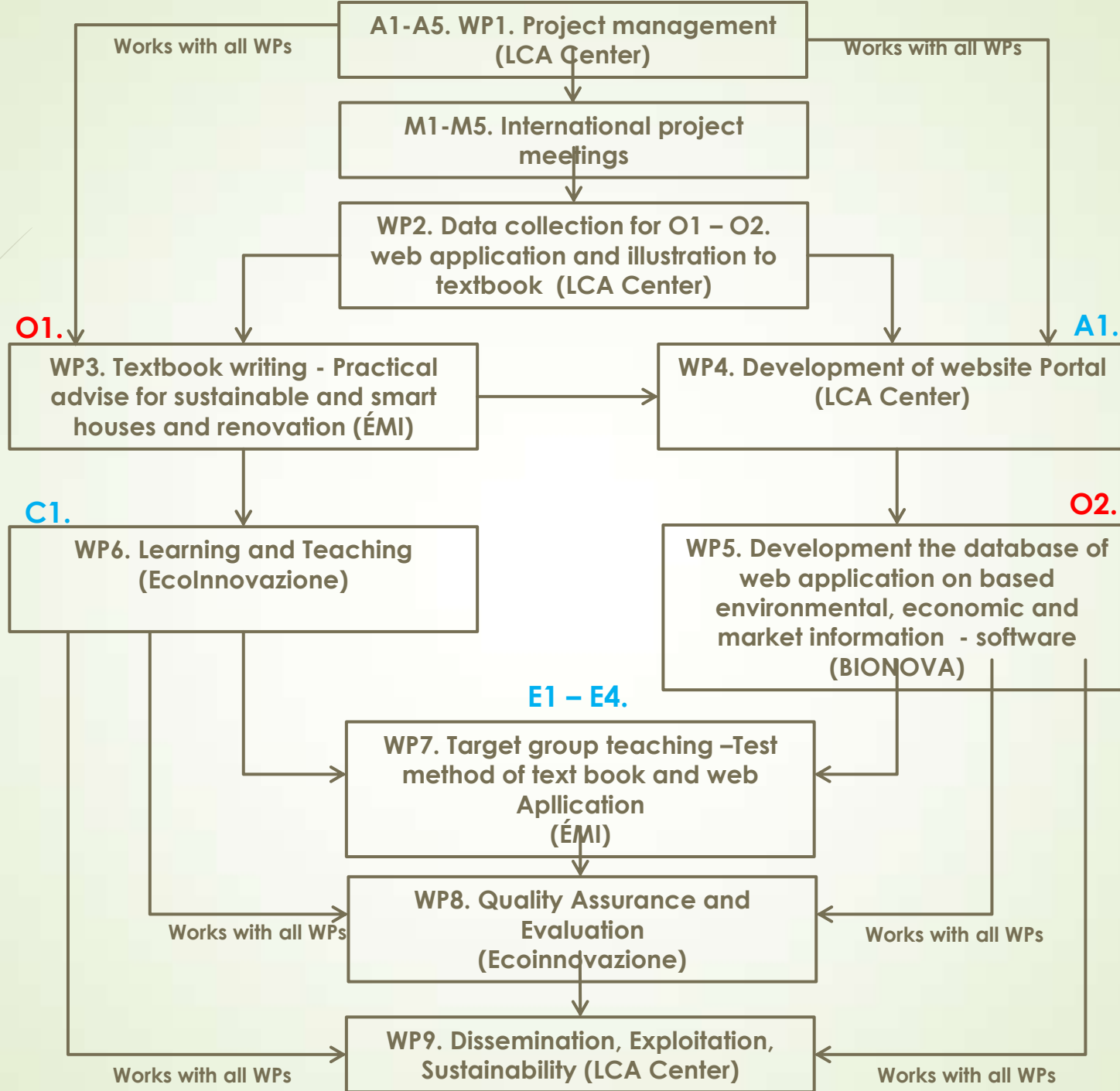


- ▶ the man in the street can become sensitive to today's key environmental problems,
- ▶ The intellectual products will be shown
  - ▶ at the international Construction expo "Construma" in April 2020, 2021 Budapest by ÉMI
  - ▶ January 2021 in Helsinki
  - ▶ June 2021 in Italy



# Applied methods

- ▶ Data mining and elaborating, illustration
- ▶ Elaborating a template form for the book chapter
- ▶ Studying and synthesis of professional literature of construction process and those materials
- ▶ Model creation for building process and related legislation and building materials,
- ▶ Extraction of the relevant actual legislation what need to know the man in the street
- ▶ Making double Language control (English and Mother Language) –
- ▶ The list of construction data very large it contents about 100-120 various items
- ▶ life cycle assessment of the missing data, or have to transform the data to our stand up model.
- ▶ Software development - Web app development - Guide writing

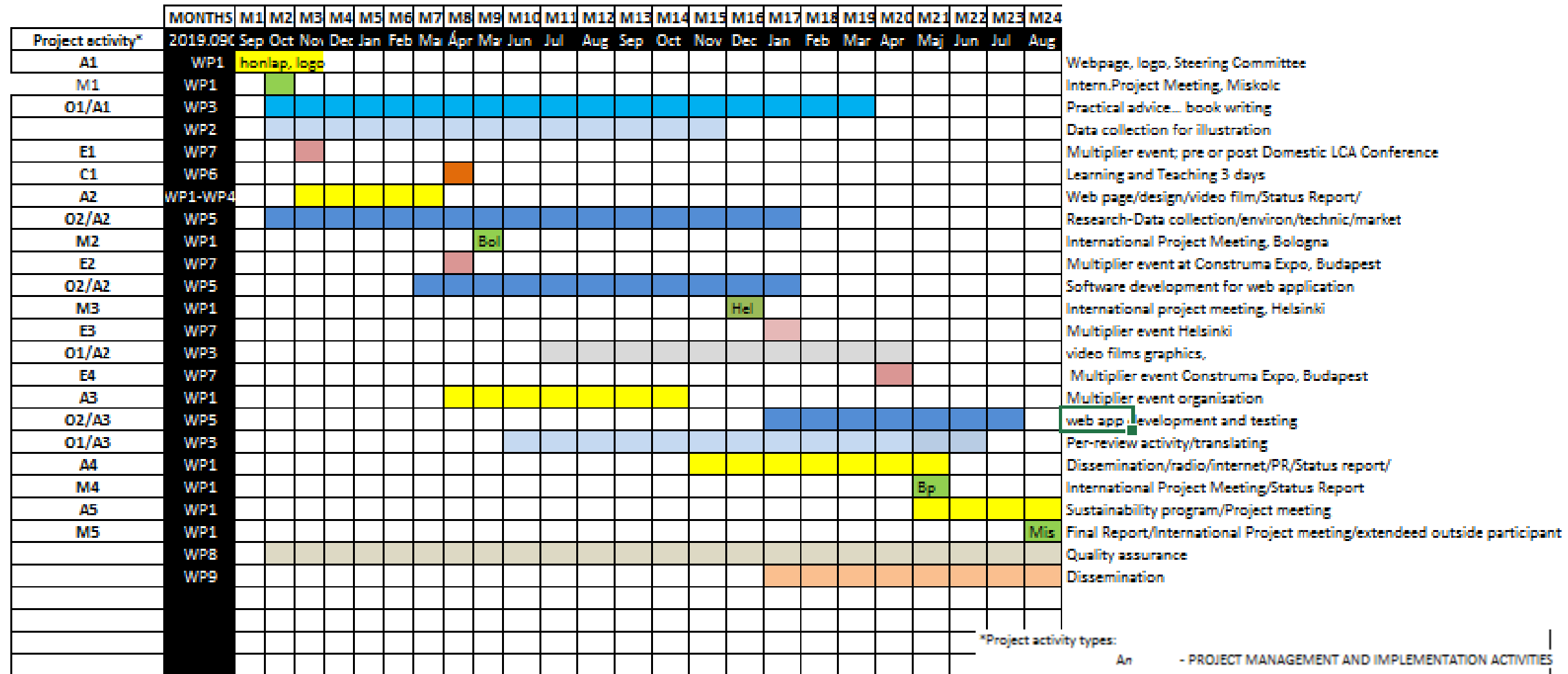




# Task of WP & WP leaders

- WP1 Project Management
  - WP2 Data collection for web application and illustration to textbook from 11-2019 to 03-2021
  - WP3 Textbook writing - Practical advise for sustainable and smart houses and renovation O1
  - WP4 Development of website Portal
  - WP5 Development the database of web application on based environmental, economic and market information - software; O2
  - WP6 Learning and Teaching: mutual information sharing among project participants
  - WP7 Multiplier events -Target group teaching – Test method of text book and web Application
  - WP8 Quality Assurance and Evaluation
  - WP9 Dissemination, Exploitation, Sustainability
- WP1 Leader: LCA Center Association
  - WP2 Leader: LCA Center Association
  - WP3 Leader: ÉMI non-profit Llc WP4 leader: LCA Center Association
  - WP5 Leader: BIONOVA Ltd
  - WP6 Leader: ÉMI – nLtd EcoInnovazione srl
  - WP7 Leader: ÉMI non-profit Llc
  - WP8 Leader: EcoInnovazione srl
  - WP9 Leader: LCA Center Association

# Gantt Chart



\*Project activity types:

- An - PROJECT MANAGEMENT AND IMPLEMENTATION ACTIVITIES
- On/An - INTELLECTUAL OUTPUTS/ACTIVITIES
- Mn - TRANSNATIONAL PROJECT MEETINGS
- En - MULTIPLIER EVENTS
- Cn - LEARNING/TEACHING/TRAINING ACTIVITIES
- n - number of the activity

# Budget per activity

Budget Items	Total Grant
Project Management and Implementation	30 000,00
Transnational Project Meetings	40 415,00
Intellectual Outputs	184 250,00
Multiplier Events	11 100,00
Learning/Teaching/Training Activities	5 803,00
Special Needs Support	200,00
Exceptional Costs	26 000,00
Total Grant	297 768,00

# Budget per partners

## Budget per Participating Organisation

Organisation	Country of Organisation	Grant (EUR)
LCA Center Magyar Eletciklus- elemzok Szakmai Egyesulete	Hungary	92370.00 EUR
ECOINNOVAZIONE SRL	Italy	67715.00 EUR
BIONOVA LTD	Finland	69913.00 EUR
EMI EPITESUGYI MINOSEGELLENORZO INNOVACIOS NONPROFIT KFT	Hungary	67770.00 EUR

Thank you for attention!

