



Dr. Anas Zyadin, Grant Writer

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Lappeenranta City

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Greenreality

LAPPEENRANNAN KAUPUNKI

# Green Electrification Ecosystem Agreement (four main tracks)



**Electric machines**  
**Power electronics**  
**Industrial automation**



**CO2 capture and utilisation (different options)**  
**Green hydrogen and hydrogen economy**  
**Synthesis processes**



**Smart flexibility demand**  
**Microgrids**  
**Energy storage (heat and power)**  
**Building automation (digital solutions)**



**SMRs, are expected to have greater simplicity of design, economy of series production largely in the size of factories (less than 300MWe)**



# Lappeenranta EU Funding objectives & strategies

- The city of Lappeenranta stems its funding objectives from its:
  - **Green Electrification Ecosystem Agreement**
  - **City Strategy 2037**
  - **Climate Program 2021-2031**
  - **Circular Economy Roadmap**
  - **Public Transport Policy 2030, SUMP 2033**
  - **Waste Management Plan 2022**
  - **Sustainable Energy and Climate Action Plan (SECAP) of Lappeenranta under the Covenant of Mayors (CoM)**
  - **Following trends in energy and climate (e.g, Green Hydrogen), city's needs**

# 1. Funded/approved projects (Part 1) Jan. 2023

Name of project	Objective	Source	LPR Staff
<b>TransformAr</b>	Accelerating and upscaling transformational adaptation in Europe: demonstration of water-related innovation packages	Horizon Europe (48 months) 2021	Sanni Simonen
<b>PATTERN</b>	Providing operational economic appraisal methods and practices for informed decision-making in climate and environmental policies	HORIZON-RIA (36 months) June 2022	Petri Kero Terhi Jantunen Leena Verho Ilkka Räsänen Anas Zyadin
<b>THREADIN-CO2</b>	Valorization of CO2 waste streams into polyester for a sustainable circular textile industry	Horizon Europe (HORIZON) 48 Months NOV/DEC 2022	Ilkka Räsänen Anas Zyadin Terhi Jantunen
<b>RENOWAVE</b>	The project develops One-Stop-Shop (OSS) extended model specifically designed for the multi-apartment buildings in BSR countries. The OSS model includes traditional and additional OSS services that cover all the steps that are necessary to initiate and implement EE renovation projects in multi-apartment buildings.	Interreg Baltic Sea Region 32 months ( 80% funding rate)	Matti Pylkkö Tanja Nyholm Ilkka Räsänen Anas Zyadin

# 1. Funded/approved projects (Part 2) Jan. 2023

Name of project	Objective	Source	LPR Staff
<b>AMIGOS</b>	The project will co-develop and test technological and policy solutions in 5 living labs and 10 safety improvement areas as means of increasing public transport usage, zero-emission and active mobility modes.	Horizon Europe 48 months	Ilkkä Räsänen Anas Zyadin Olli Hirvonen Terhi Koski
<b>MONITER EE</b>	Improving energy efficiency through smarter management systems	Interreg Europe 32 Months	Anas Zyadin Ilkka Räsänen

# EU programme under consideration 2022

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**LIFE Programme**

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**Horizon Europe**

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**EU Missions (Carbon Neutral and Smart Cities)**

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**Circular BioBased Industries**

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**NET  
ZERO  
CITIES**



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**Interrg Baltic Sea Region**

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**Interrg Central Baltic**

# Applied/ Acquired funding 2021-2023

**Budgeted  
submitted  
projects: 17**

**Non-budgeted  
submitted  
projects: 4**

**Successful  
projects: 7**

**Reserve list  
projects: 2**

**Rejected  
projects: 8**

**Success rate:  
 $7/17 = 40\%$**

**Total funding  
applied:  
8.8M**

**Total funding  
received:  
2M**

# Operational Model

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- **Hiring Grant Writer** 😊 ( dedicated and professional expert in writing proposals.
- **Close collaboration** with LUT/LAB funding services/Profs.

## Responsible



**Kari Heikkinen**  
Tutkijaopettaja



**Antero Kutvonen**  
Tutkijaopettaja



**Karthikeyan Natarajan**  
Tutkimuspalveluasiantuntija



# Own thoughts

- Octopus networking (joining active cities network)
- Utilising existing contacts/partners
- Every proposal is precious
- Every partner is precious
- Every proposal invitation is appreciated
- Early bird follow of EU calls
- EU Funding is a **serious business** !
- Active talks with companies and brainstorming for new ideas
- Hard work / Overloaded happens, but rest rewarded 😊
- Follow EC social media accounts related to funding





# Thank you

- For more information and questions please contact the funding services at the city of Lappeenranta

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