

# OUTPUT FACT SHEET

## Pilot actions (including investment, if applicable)

Version 3

Project index number and acronym	CE-1444, InterGreen-Nodes
Output number and title	O.T3.2, Highly visible and practical development and demonstration of technical solutions
Investment number and title (if applicable)	Not applicable
Responsible partner (PP name and number)	Budapesti Szabadkikötő Logisztikai Zrt., PP10
Project website	<a href="https://www.interreg-central.eu/Content.Node/InterGreen-Nodes.html">https://www.interreg-central.eu/Content.Node/InterGreen-Nodes.html</a>
Delivery date	11/2020

**Summary description of the pilot action (including investment, if applicable) explaining its experimental nature, demonstration character and transnational added value**

The main challenge is that how the construction and operation of new or the renewal of existing buildings (both office and warehouse) can be part of the greening efforts of the operation of a port. The pilot action is to present the BREEAM assessment system and examples of certified buildings in the operation of the Freeport of Budapest as nowadays it is a requirement to plan, construct and accredit the new properties in a green certification system. More and more companies (tenants) are specifically searching for certified buildings for various reasons and as energy prices are going up it is of an utmost importance to minimize the cost of an operation of an enterprise. BREEAM is a globally accepted program - similar to LEED - that indicate a building was designed and constructed to a certain level of environmental responsibility. BREEAM stands for “Building Research Establishment Environmental Assessment Method” and it is the world’s leading sustainability assessment method for masterplanning projects, infrastructure and buildings. It recognizes and reflects the value in higher performing assets across the built environment lifecycle, from new construction to in-use and refurbishment. BREEAM measures sustainable value in a series of categories, ranging from energy to ecology. Each of these categories addresses the most influential factors, including low impact design and carbon emissions reduction; design durability and resilience; adaption to climate change; and ecological value and biodiversity protection. Each category is sub-divided into a range of assessment issues, each with its own aim, target and benchmarks. When a target or benchmark is reached as determined by the BREEAM assessor, the development or asset score points are called credits. The category score is then calculated according to the number of credits achieved and its category weighting. Once the development has been fully assessed, the final performance rating is determined by the sum of the weighted category scores.

The pilot demonstrated the assessment process and the final product (certified buildings). There are 2 buildings in the Port (C2 warehouse and B9 office/lab) which are certified as part of the greening efforts of the Port. So this pilot demonstrated that how such an accreditation process can become the part of the general greening of the nodes also meeting the needs of the clients and it can be easily adapted to other ports/nodes.

**NUTS region(s) concerned by the pilot action (relevant NUTS level)**

HU11 - Budapest

**Investment costs (EUR), if applicable**

Not applicable.

### Expected impact and benefits of the pilot action for the concerned territory and target groups and leverage of additional funds (if applicable)

Assessed buildings have a positive impact on environment in many ways as it certifies the buildings in 10 categories including energy, pollution, waste, water, transport but also the planning and building process itself is assessed (materials, land use etc). Therefore certified buildings have a less impact on the environment, also use less energy and other resources to operate etc. so both the tenants and the whole community benefits from them.

BREEAM in general has an uptake as all levels of building regulations have become stricter to encourage the construction of more energy efficient buildings. Meanwhile also tenants putting more emphasis on environmental awareness.

Additional funds in the form of grant or subsidy is not foreseen.

### Sustainability of the pilot action results and transferability to other territories and stakeholders

Sustainability will be ensured in three ways: 1. The implementation of the pilot will lead to future use of these concepts in the original user-terminals and ports. 2. The leader-follower concept leads to additional users using the solutions. 3. The Toolbox (developed in the project) leads to implementation by other users, by providing step by step instructions. The implementation of the pilot leads to long term use, as Pilot implementation already overcomes the main barrier of long term use: lack of Information.

PP10 will continue the operation and construction of further buildings following BREEAM principles. Other stakeholders and territories can easily adopt the pilot results as there are several certifying institutions throughout Europe. Also important that it can be used during the conversion of old office and warehouse buildings. Results of the pilot can be directly transferred to other territories not involved in the project.

Regarding transferability: all results are summarized in the planning Toolbox (D.T3.3.3), which also explains how to transfer the results of WPT3.

### If applicable, contribution to/ compliance with:

- relevant regulatory requirements
- sustainable development - environmental effects. In case of risk of negative effects, mitigation measures introduced
- horizontal principles such as equal opportunities and non-discrimination

The relevant regulatory requirements are not applicable.

BREEAM ultimately - as described above - has an impact on the greening of the hub operations via more sustainable buildings thus has a direct impact on sustainable development.

Pilot does not have a negative environmental effect.

Impact of the pilot action on horizontal principles is neutral.

References to relevant deliverables (e.g. pilot action report, studies), investment factsheet and web-links  
If applicable, additional documentation, pictures or images to be provided as annex

Report:

[https://www.interreg-central.eu/Content.Node/InterGreen-Nodes/CE1444-InterGreen-DT3.2.4-Report-\(2022-06-16\).pdf](https://www.interreg-central.eu/Content.Node/InterGreen-Nodes/CE1444-InterGreen-DT3.2.4-Report-(2022-06-16).pdf).

Handbook Part 2 Buildings:

<https://www.interreg-central.eu/Content.Node/InterGreen-Nodes/CE1444-D.T3.3.3-Part1-Building.pdf>

BREEAM categories measured:



“BREEAM Good” certified warehouse in the Freeport of Budapest:

