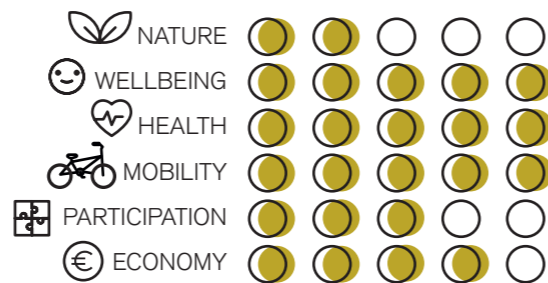


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CHALLENGES ADDRESSED



IMPLEMENTATION

SOFT	MEDIUM	HARD
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REPLICATION POTENTIAL/FLEXIBILITY

LOW	MEDIUM	HIGH
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AMORTIZATION PERIOD

SHORT	MEDIUM	LONG	NA
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INVESTMENT

LOW	MEDIUM	HIGH	NA
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DESCRIPTION

Luminescent paths NBS is a mesh of designed ways for cycling and pedestrian walking. For its character, given by the luminophore coated stones, it can be implemented as an enlightened promenade, made of walls, pavements and other luminescent elements. Built as a resin/cement fixed aggregated stone pavement or a concrete support wall, these luminescent elements include also luminophore coated quartz pebbles, which absorbs the sunlight during the day, and emanate light during the evening.

PARTICIPATION PROCESS

CO-DIAGNOSTIC
Through walkthroughs and focus groups, with citizens, local communities or other stakeholders it can be chosen the urban zones where this new infra-structure can be placed and implemented. The diagnosis it's the most important moment to define the size and the form of the pathways.

CO-SELECTION & CO-DESIGN
Through collective mapping, photovoice and focus groups, the selection can be made as an innovative solution with very simple characteristics that can answer urban challenges on mobility and urban connectivity.

CO-IMPLEMENTATION
Through model thinking, collective design and other activities as or focus group the NBS can allow a very interesting result. Its form and its constructive character are easily adapted and modified in order to answer to the challenges and routes which the stakeholders decide to address.

CO-MONITORING
The ordinariness of the used materials and the simplicity of the constructive process, along with the co-design process, allows a simple and participative implementation.

INNOVATION ASPECT

- The pebbles are covered with a coat material, which doesn't take its intrinsic characteristics, and can transform a common walkable and cycling road, in a safer passage, making safer evening activities, like walking, running or cycling;
- Cycling and walkable paths foster a healthier mobility, promoting walking and sport activities.

REPLICATION AND SCALABILITY

- This NBS is a very low cost, flexible and low maintenance solution, and it can be used in various mobility situations and urban connections;
- It can be developed in different cities, with multiple forms and characteristics, and it can be the connection of parts of the healthy corridor and other NBS.

BEST PRACTICES and REFERENCES

LINKS:
. author: TPA Instytut Badan Technicznych, Lidzbark Warminski, Poland (2016)

CYCLING AND PEDESTRIAN PATH

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