

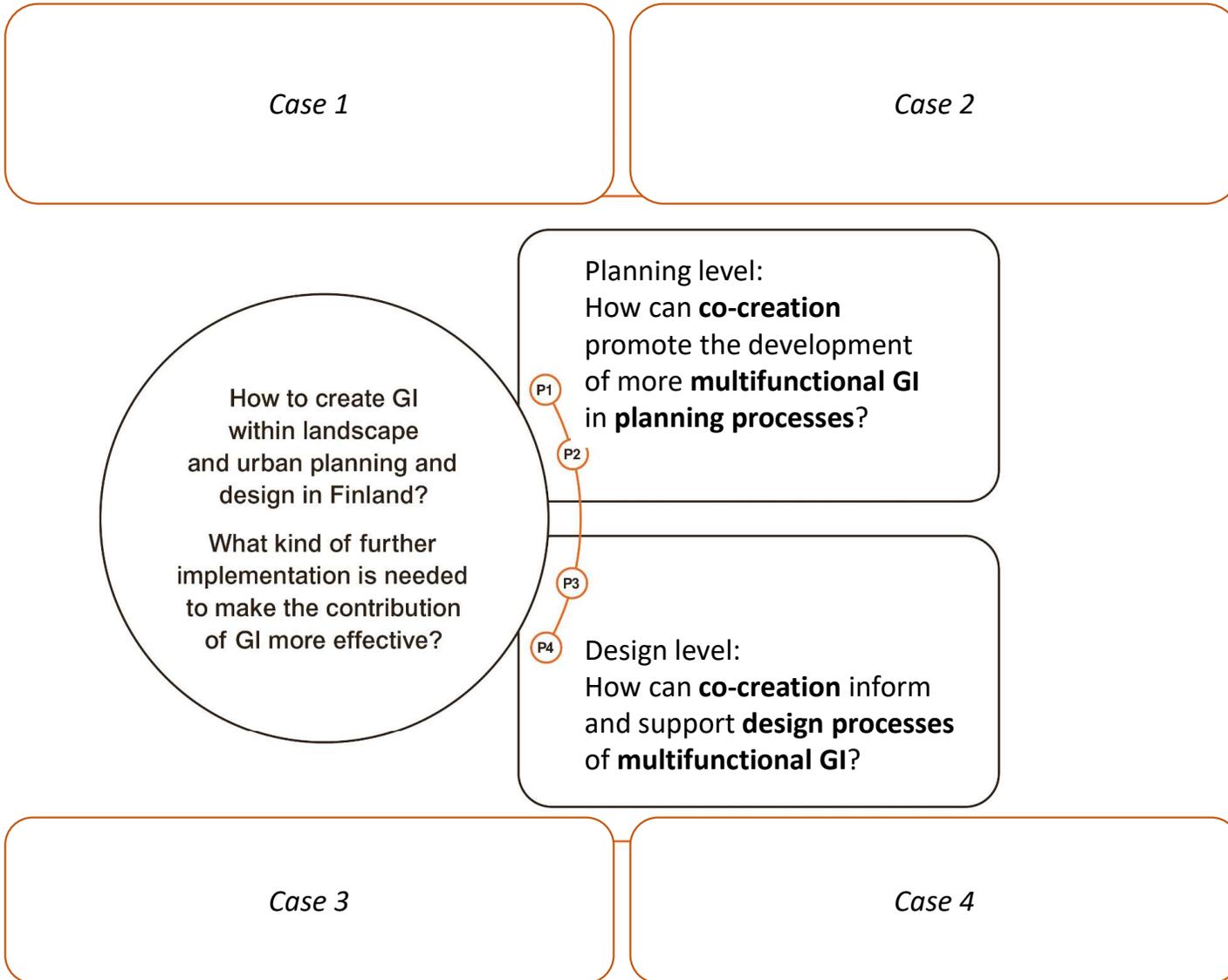
Hulevesien hallinnan yhteis- toiminnallinen kehittäminen

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Hulevesi2020 23.9.2020
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SUOMEN VESIYHDISTYS RY
Hulevesijaosto



Results of the Case 1

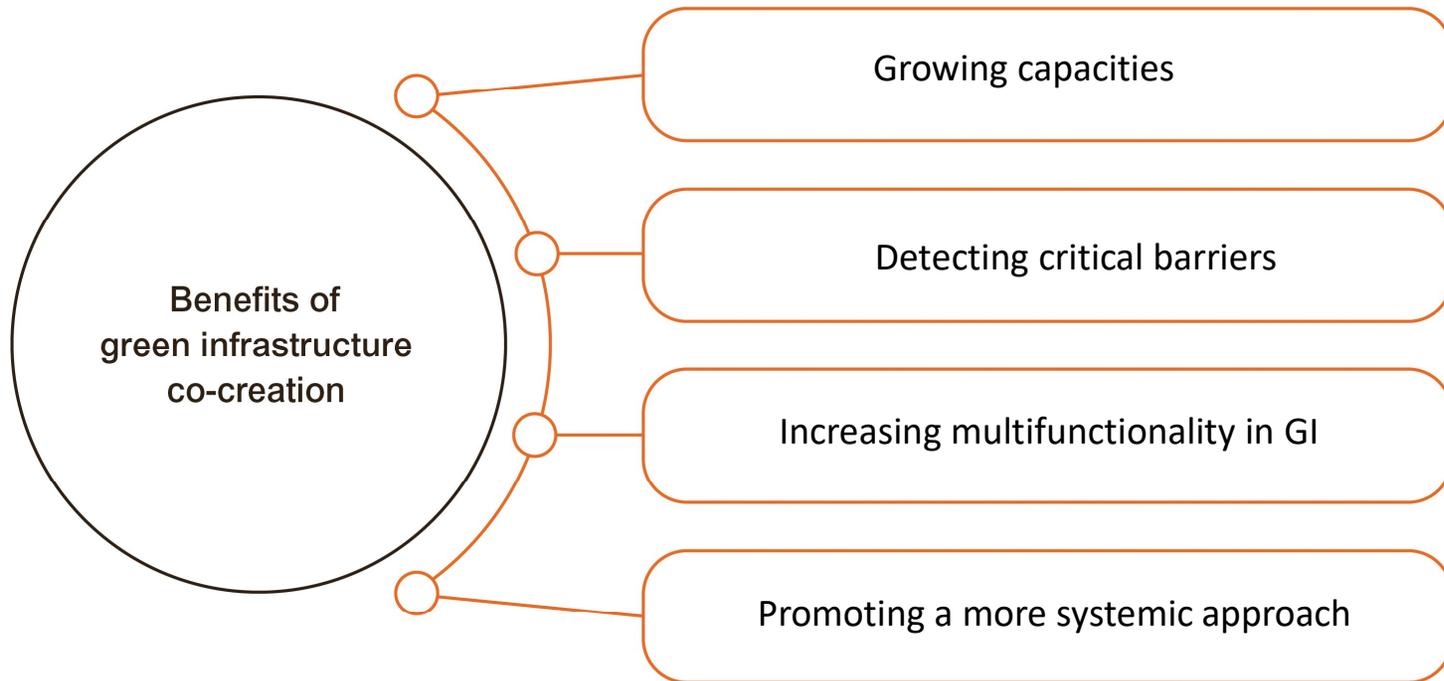
Results of the Case 2

Results of the Case 3

Results of the Case 4

Synthesis

**Benefits of
green infrastructure
co-creation**

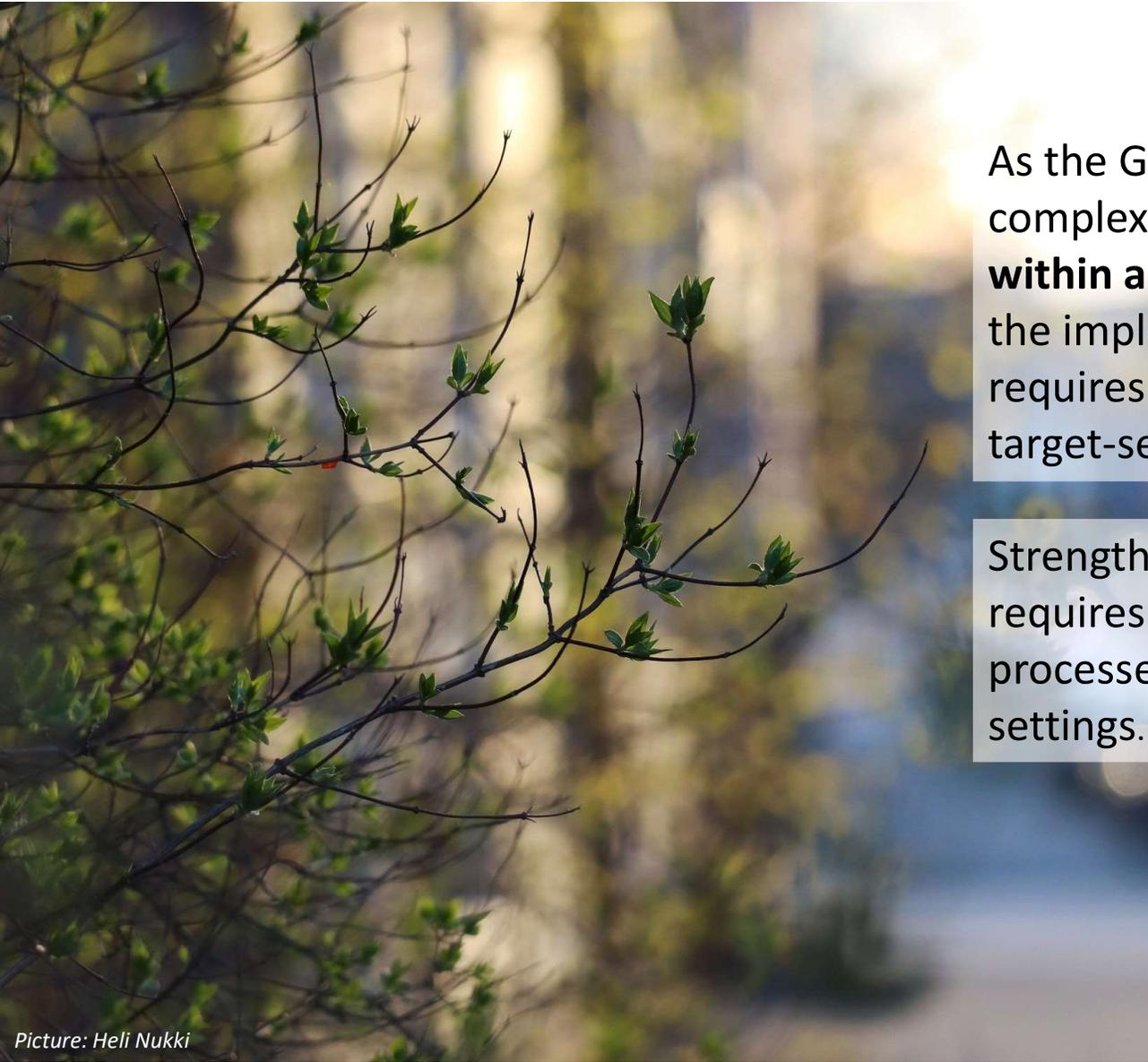


Multifunctionality related challenges:

- 1) When the understanding of multifunctionality is limited, **not all related benefits are considered**, and **not all potential stakeholders are recognized**.
- 2) Co-creation of case sites revealed that multifunctionality makes **the measurement of the result ambiguous**.
- 3) Providing multifunctionality **to match the local needs is challenging**.



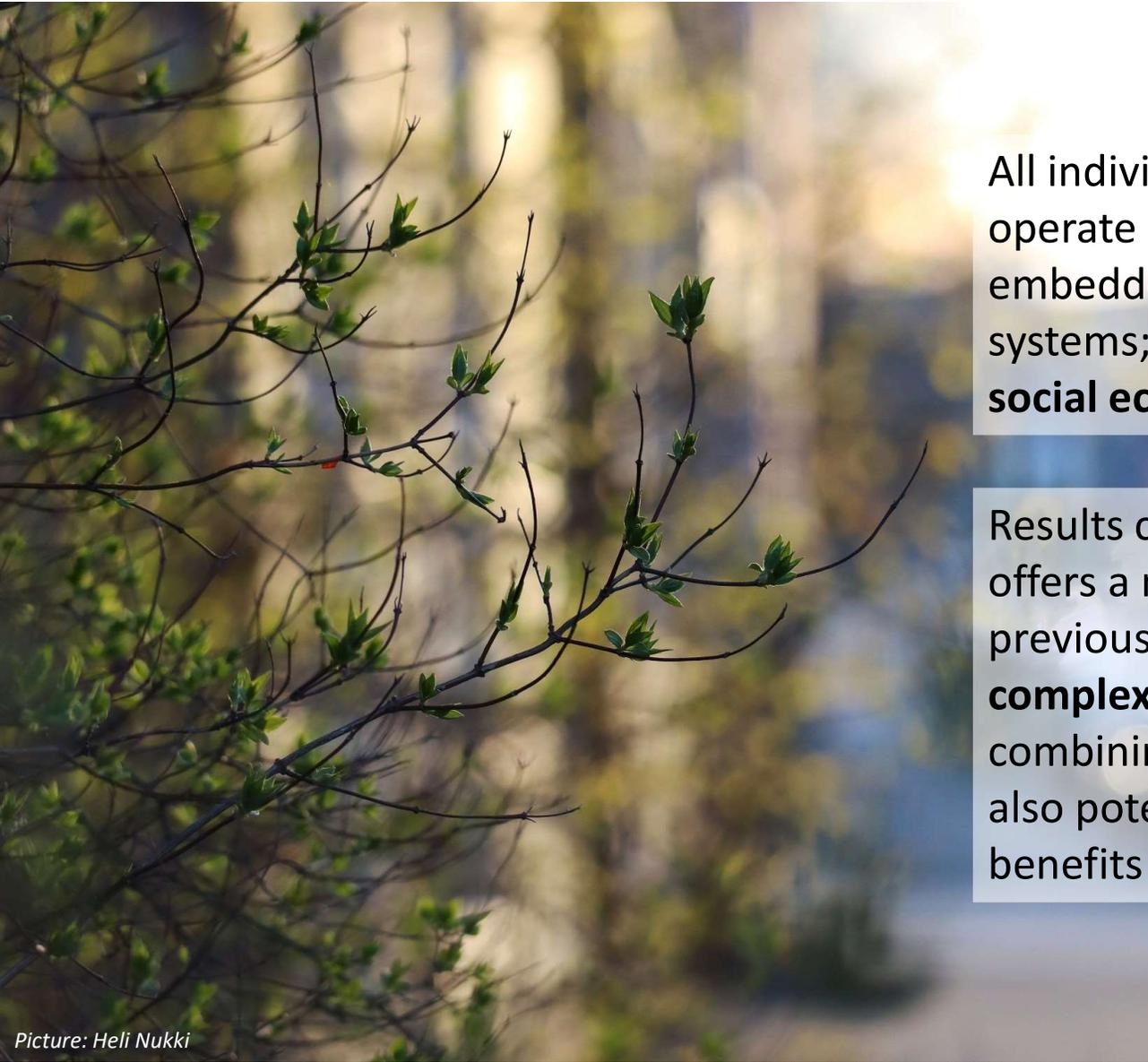
Picture: Heli Nukki



As the GI-based approach is inherently complex, consisting of **links and feedback within and between people and nature**, the implementation of GI elements requires new types of decision-making and target-setting processes.

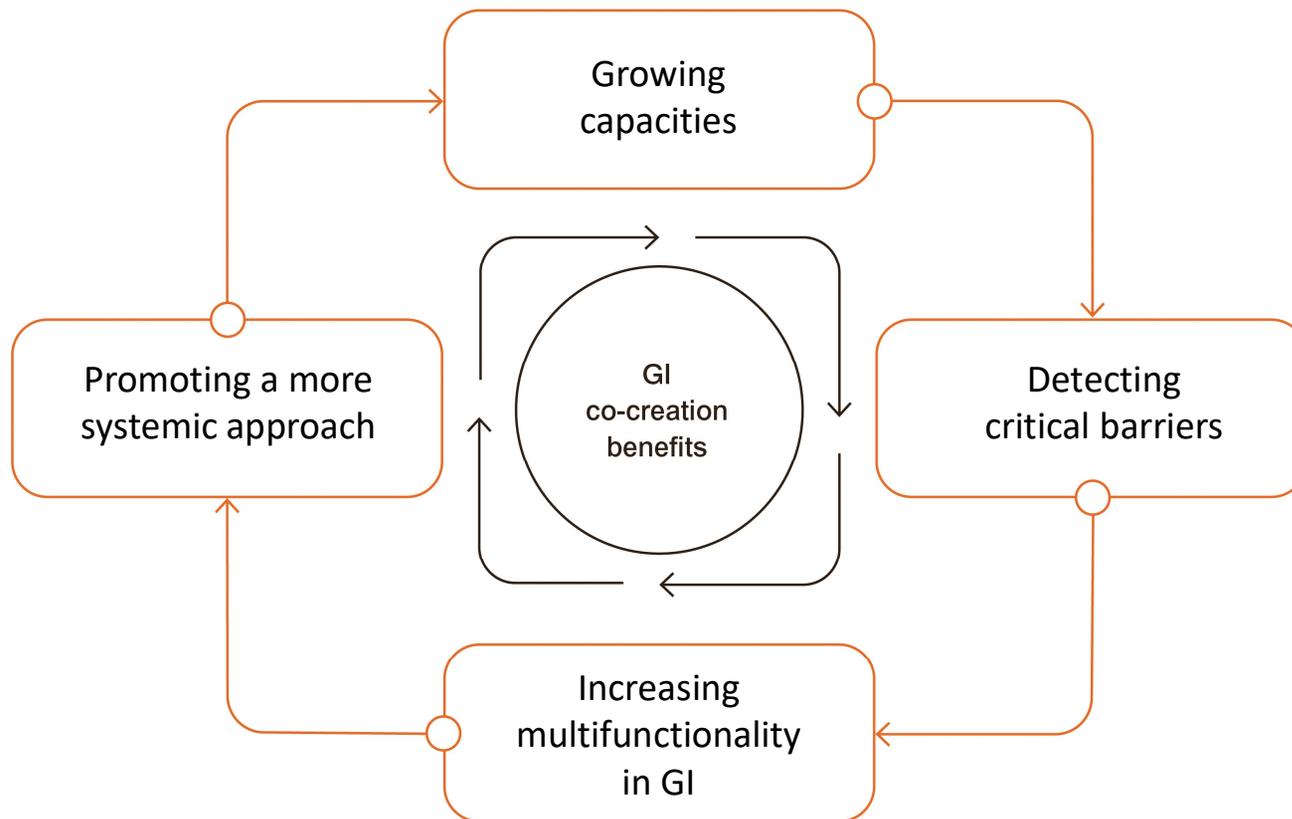
Strengthening the multifunctional benefits requires an understanding of the ecological processes and **system dynamics** in urban settings.

Picture: Heli Nukki



All individuals, communities, and societies operate in social systems that are embedded in the biosphere and ecological systems; thus, **humans all exist within social ecological systems.**

Results confirm that the GI-based approach offers a new lens that can connect previously separate functions into a more **complex social ecological system** combining not only urban hydrology but also potential ecological and sociological benefits through **multifunctionality.**



Co-creation of GI in the context of landscape and urban planning and design can accelerate the adoption of the GI-based approach by defining **an accelerating model** towards social ecological systems.