



DNA INSECTSCAN



DNA InsectScan

Monitoring biodiversity on green facades and roofs

Mobilane and SGS Search have joined forces to bring you DNA InsectScan for living walls: a new, unique and innovative method to measure the effectiveness of living walls for biodiversity. DNA InsectScan starts with Mobilane collecting flowers and foliage from your green walls as part of any maintenance visits. The DNA left behind by the insects is then isolated and sequenced at our laboratory. The result is hundreds of DNA sequences, which are subsequently compared to species reference databases. Finally, the insect biodiversity data generated as a result is presented to you in a meaningful and comprehensive report format. With InsectScan, our clients can now monitor and verify exactly how much richer the variety of insect species is getting. On top of that, DNA InsectScan enables you to further optimize the impact each green wall has on biodiversity.

BENEFITS

- Monitor biodiversity effectively and at any scale
- Sampling could not be easier
- Helps quantify the success of biodiversity restoration campaigns in urban and natural environments
- Identify and manage natural pollinators
- Determine how your property is helping the ecosystem
- Monitor environmental impact through indicator species
- Can be used in ESG reporting

THE SCAN INCLUDES

- Introduction, scope of work, and description of methodology
- Sampling plan and protocol
- Insect species identification overview (Taxa List) with various tables, charts, statistics, and other data
- Visual species overview
- Detailed sampling tables

biodiversity

living walls

green roofs

measurable

insects

EXCLUSIVE PARTNERSHIP: MOBILANE X SGS SEARCH

SGS Search is an international engineering firm, consultancy firm, laboratory and training institute specializing in the built environment, and how to make that environment more sustainable. Inspired by the environment, SGS Search endeavors to create a sustainable future — a mission shared by Mobilane. With InsectScan, our clients can now monitor and verify exactly how much richer the variety of insect species is getting. In doing so, we are delivering an even greater contribution to a green world for future generations.

HOW DOES IT WORK?

Environmental DNA (E-DNA) is the genetic material released by an organism into the environment. This can come from numerous sources, including skin and hair being shed, body secretions, feces, seeds, and pollen. By deploying molecular techniques, E-DNA can be captured, amplified, and/or sequenced to identify the recent presence, relative abundance, and/or distribution of a given species, or entire communities.

WHY DNA INSECTSCAN FOR LIVING WALLS?

We know that plants and soil in living walls contribute to biodiversity. But exactly how much of a positive effect do green facades have on insects? With Mobilane's DNA InsectScan for living walls, it is now possible to quantify the positive effect of living walls on biodiversity in numbers.

InsectScan offers a unique way to easily measure biodiversity using scientific methods. The data generated as a result are transparent and can be used in annual reports and sustainability reports for internal users and stakeholders. DNA InsectScan for living walls can also help you meet the requirements for sustainability certificates, such as BREEAM.

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