How to enrich animal habitats with green walls

NIEUWKOOP
EUROPE BV
The Green Lifestyle

Jan Breedijk
April 2017

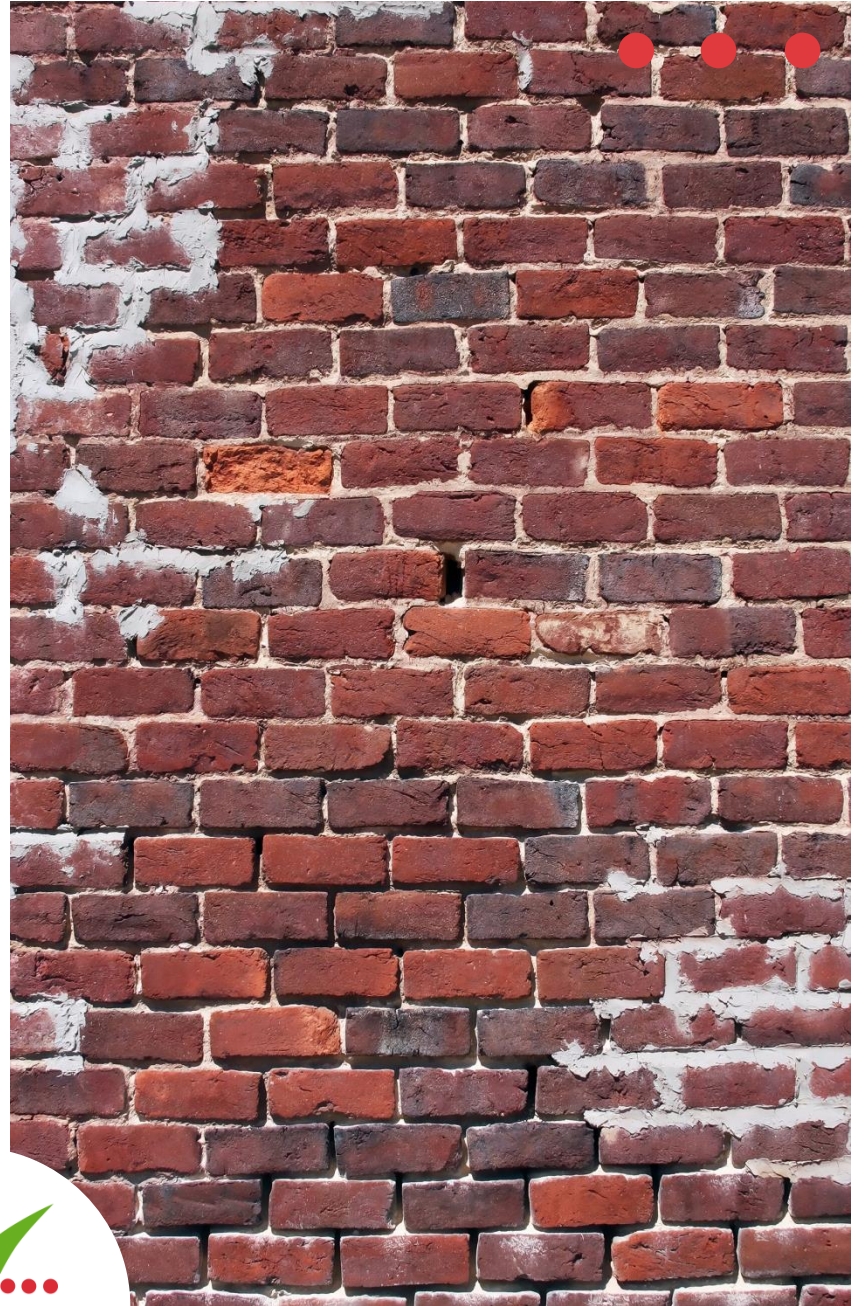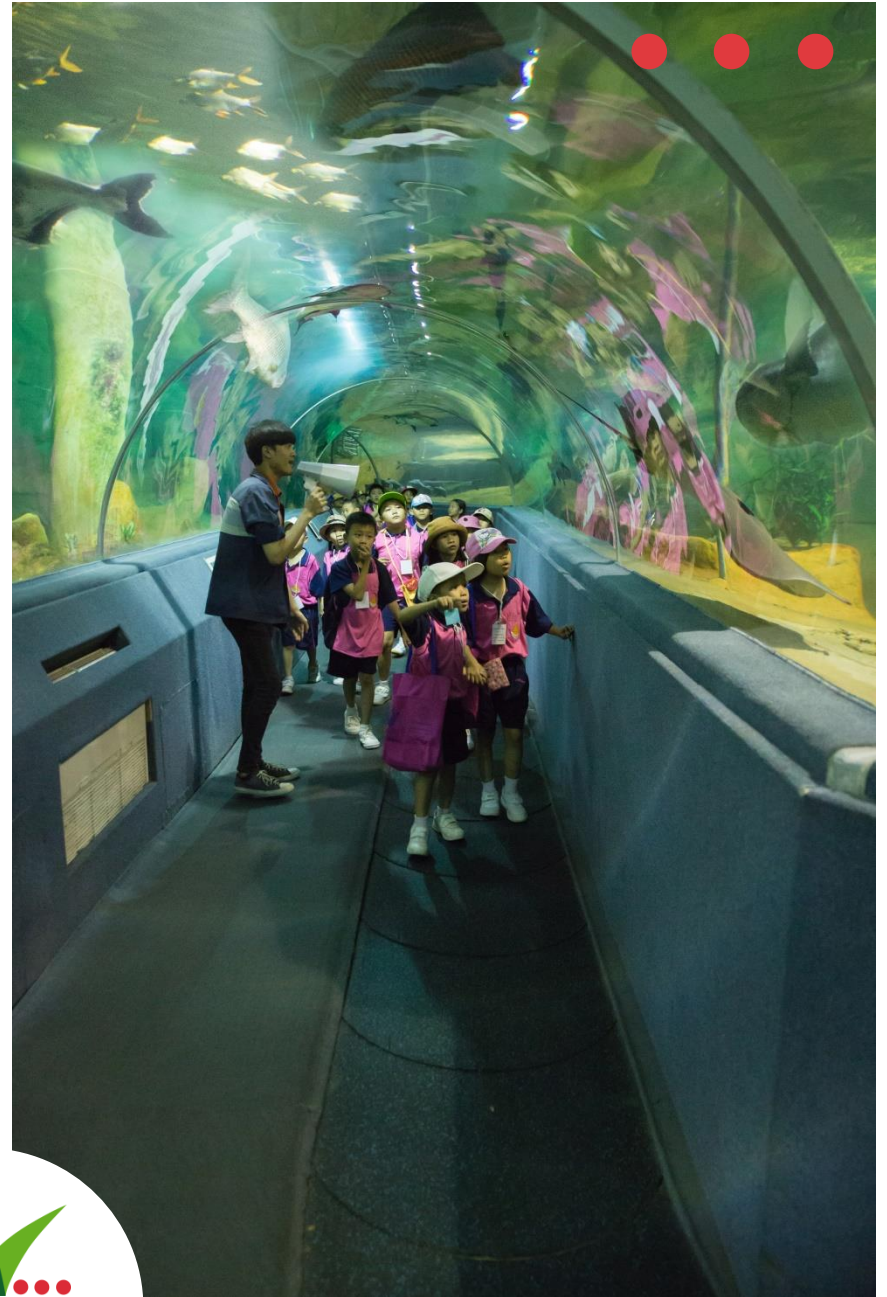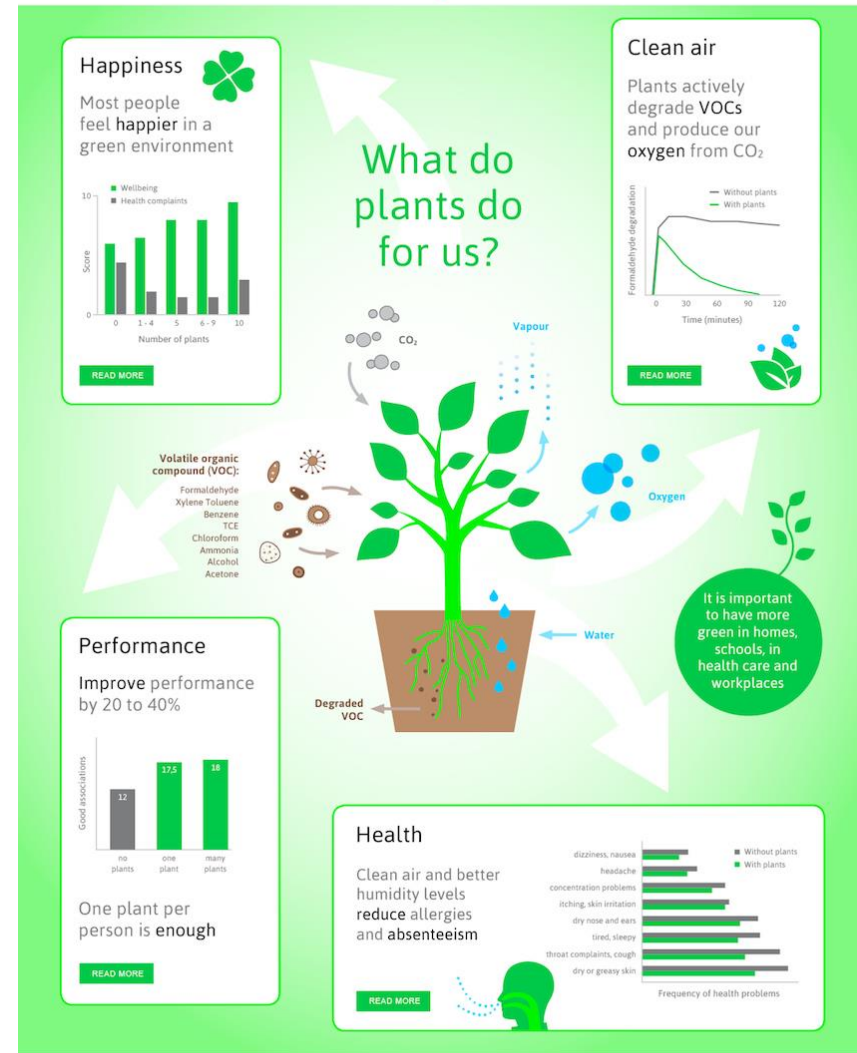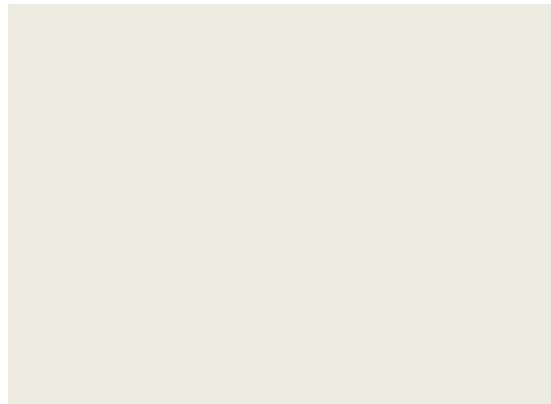**Wroclaw Zoo**

Design

Environment

Noise reduction

Environment
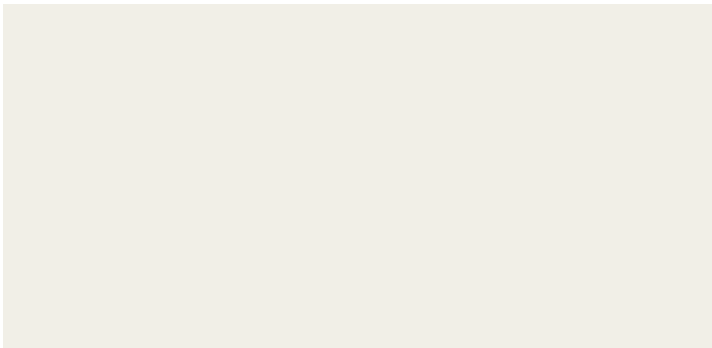
Climate

Happiness
Most people feel **happier** in a green environment

- Wellbeing
- Health complaints

Score / Number of plants

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Clean air
Plants actively degrade **VOCs** and produce our **oxygen** from CO_2

- Without plants
- With plants

Formaldehyde degradation / Time (minutes)

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What do plants do for us?

CO_2

Vapour

Oxygen

Water

Degraded VOC

Volatile organic compound (VOC):
Formaldehyde
Xylene Toluene
Benzene
TCE
Chloroform
Ammonia
Alcohol
Acetone

It is important to have more green in homes, schools, in health care and workplaces

Performance
Improve performance by 20 to 40%

Good associations

12 | 17,5 | 18
no plants | one plant | many plants

One plant per person is **enough**

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Health
Clean air and better humidity levels **reduce** allergies and **absenteeism**

- Without plants
- With plants

dizziness, nausea
headache
concentration problems
itching, skin irritation
dry nose and ears
tired, sleepy
throat complaints, cough
dry or greasy skin

Frequency of health problems
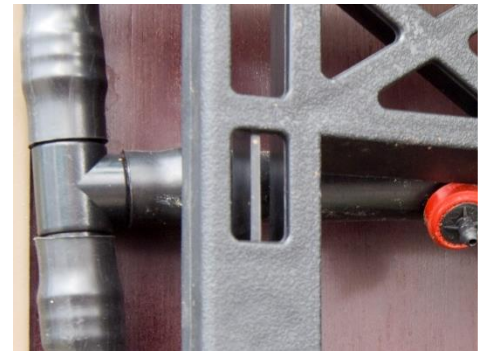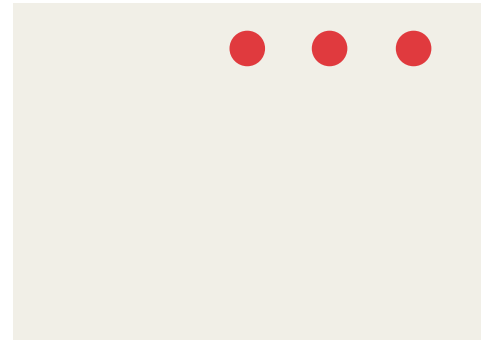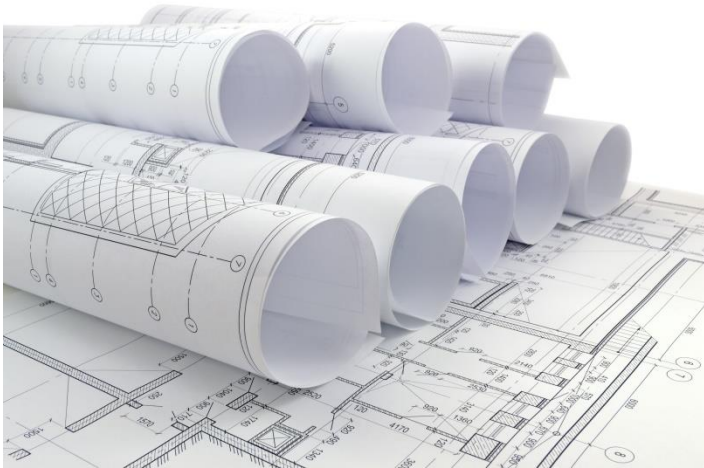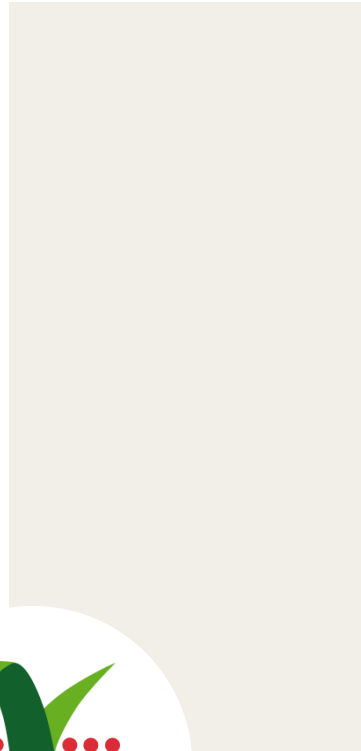
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Function

Location

Maintenance

Selection
of plants

Timing

The System

Thank you!