



Flanders

State of the Art

ECOSYSTEM ASSESSMENT FLANDERS

22 MAY 2014

**INTERNATIONAL DAY FOR BIOLOGICAL
BIODIVERSITY**

BY J. SCHAUVLIEGE
**FLEMISH MINISTER FOR ENVIRONMENT, NATURE AND
CULTURE**



FLANDERS: URBANISED & HIGHLY FRAGMENTED

A multitude of sectors



HIGH SOCIAL, ECONOMIC AND ECOLOGICAL COSTS

Flood protection



Biodiversity
underpinning
ecosystem services



Environmental
regulations



Water purification



Recreation



NATURE HELPS

Invisible - Underestimated



Ecosystem Services



Unveil - Value - Integrate



Solution for monofunctionality
and biodiversity loss

NATURAL FLOOD PROTECTION



SIGMAplan



Operational during storm
Cross-sectoral
6 december 2013

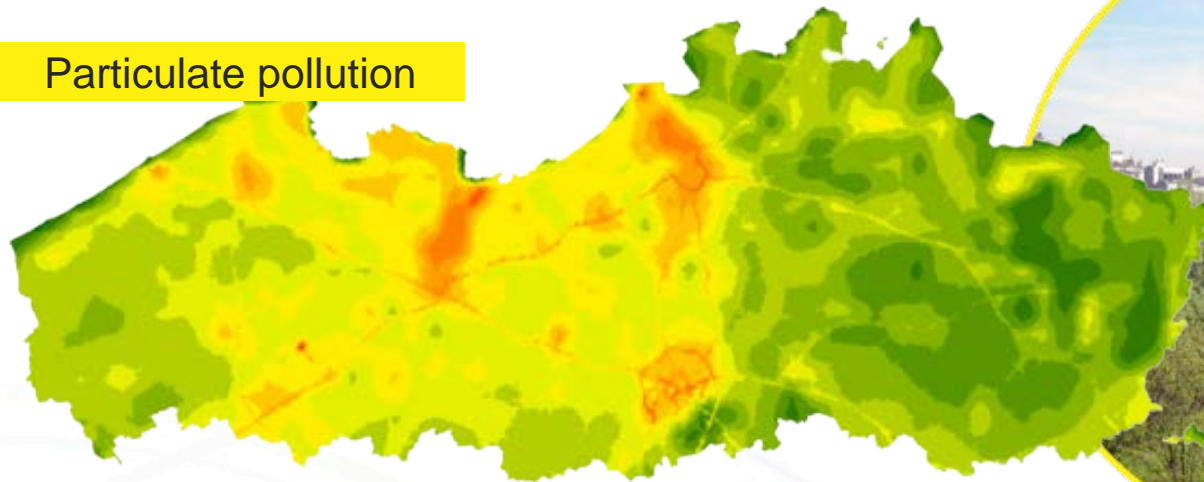
Multifunctional

Safety • Nature • Economy



GREEN CITIES IMPROVE AIR QUALITY

Particulate pollution



**Air pollutant
removal**

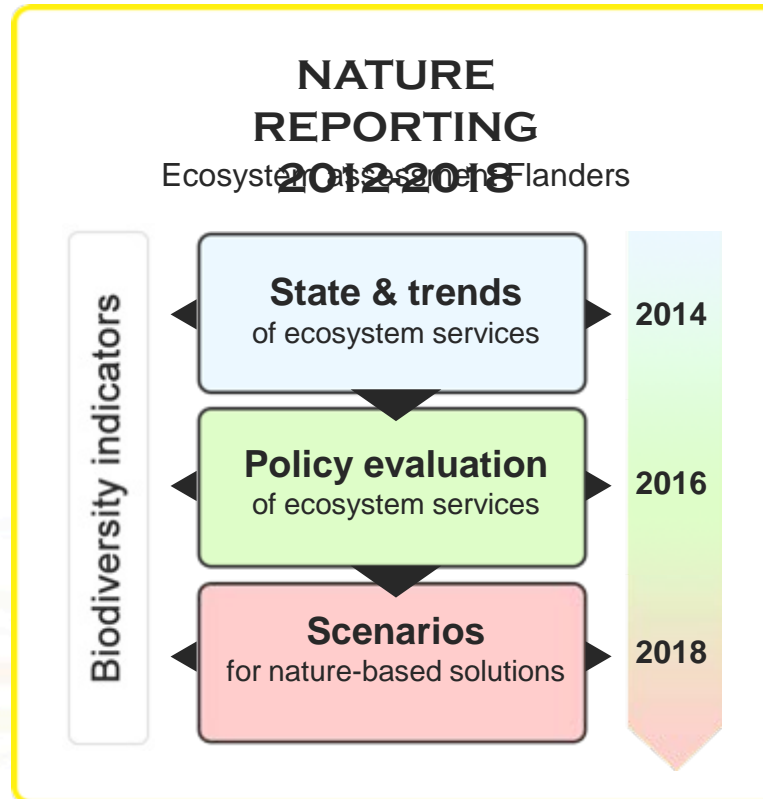
**Noise
regulation**

**Cooling in
summer**

Biodiversity

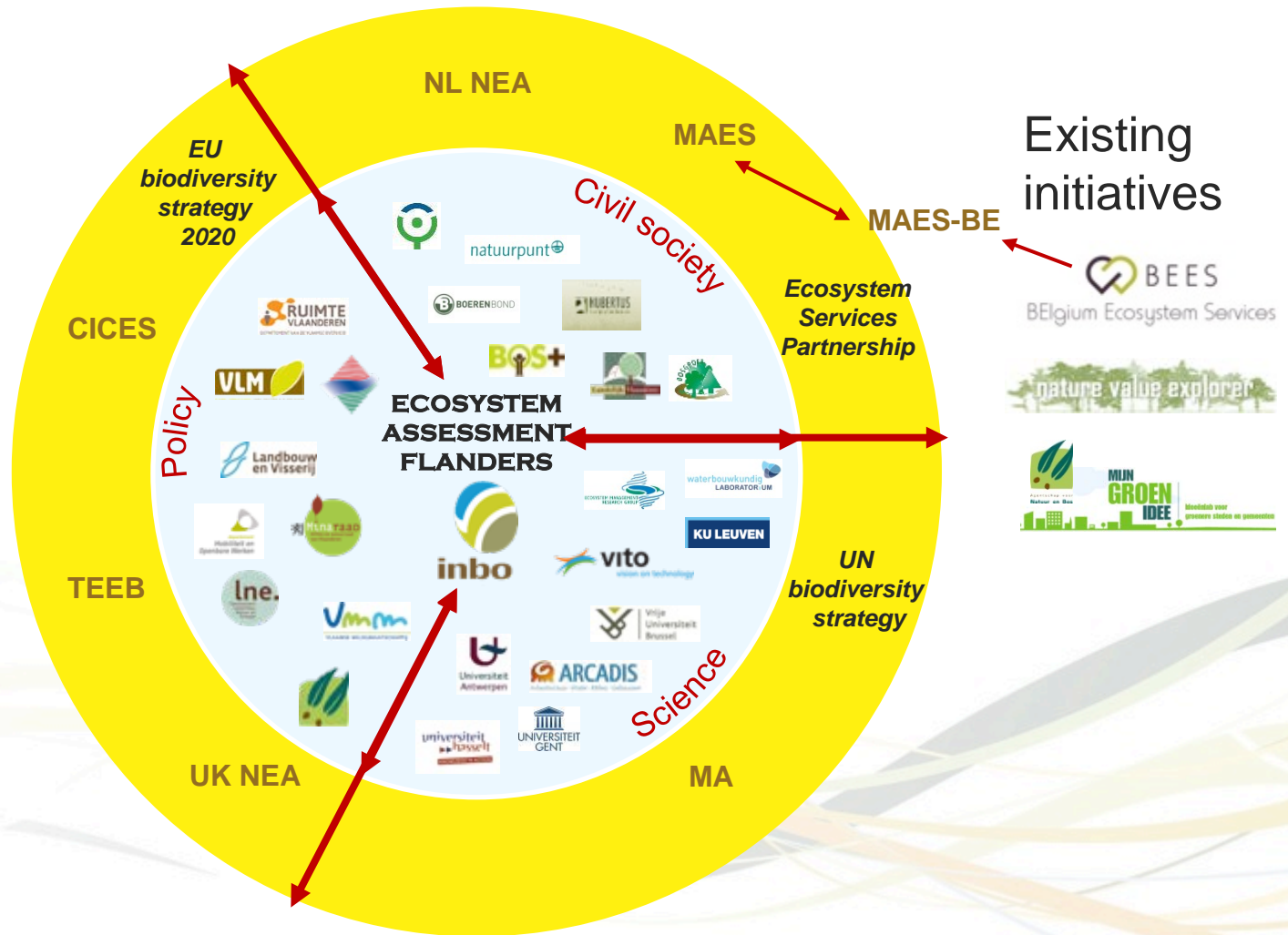
Recreation

ECOSYSTEM ASSESSMENT FLANDERS



Challenge: implementation of ecosystem services

PROJECT ORGANISATION



PHASE 1: STATE & TREND OF ECOSYSTEMS AND THEIR SERVICES

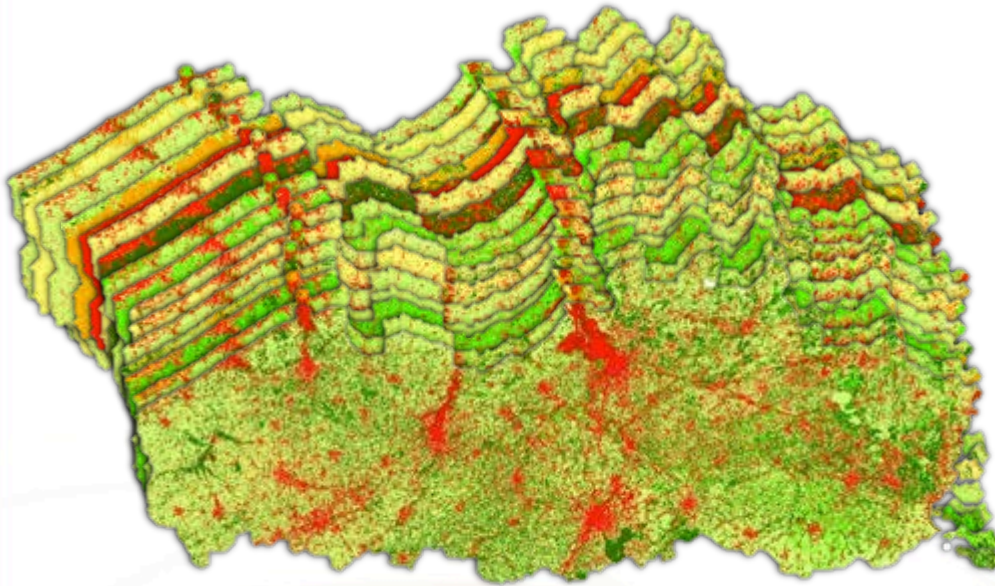


Ecosystem services

Supply-Demand-Use



16 ECOSYSTEM SERVICES MAPPED & ASSESSED



Target 2, action 5 of the
European biodiversity strategy

TAKE-HOME MESSAGES

ES as a tool for **multifunctional** land use
& protection of **biodiversity** in Flanders

ES assessment as an **integrated approach**
and **knowledge base** for implementation
of ES in Flemish policy

Transdisciplinary approach:
economy, ecology and sociology

Cross-sectoral approach:
nature, agriculture, mobility, spatial planning, ...

Continuing need for **scientific research**