



Green Deals on both circular procurement & civil engineering, as a best practice

Introduction



ROELOFS IN
BEDRIJF (JAREN)

57



PSO
NIVEAU

3



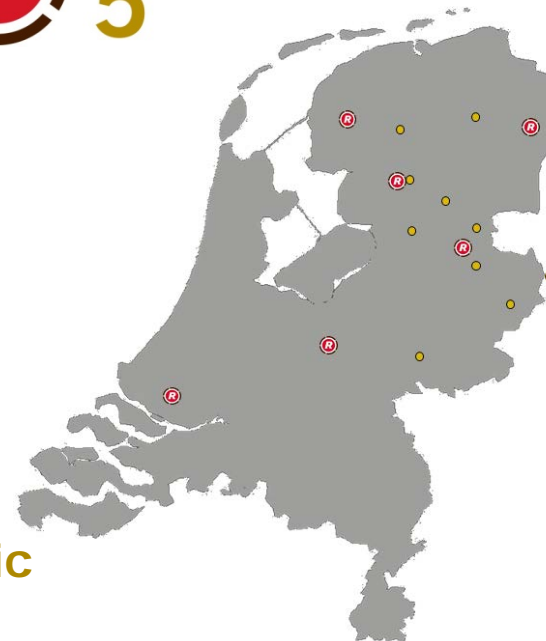
GEM. AANTAL
MEDEWERKERS

250



CO₂-PRESTATIE-
LADDER

5



The integral knowledge partner on
consultancy, design, implementation
management and maintenance of the public
space

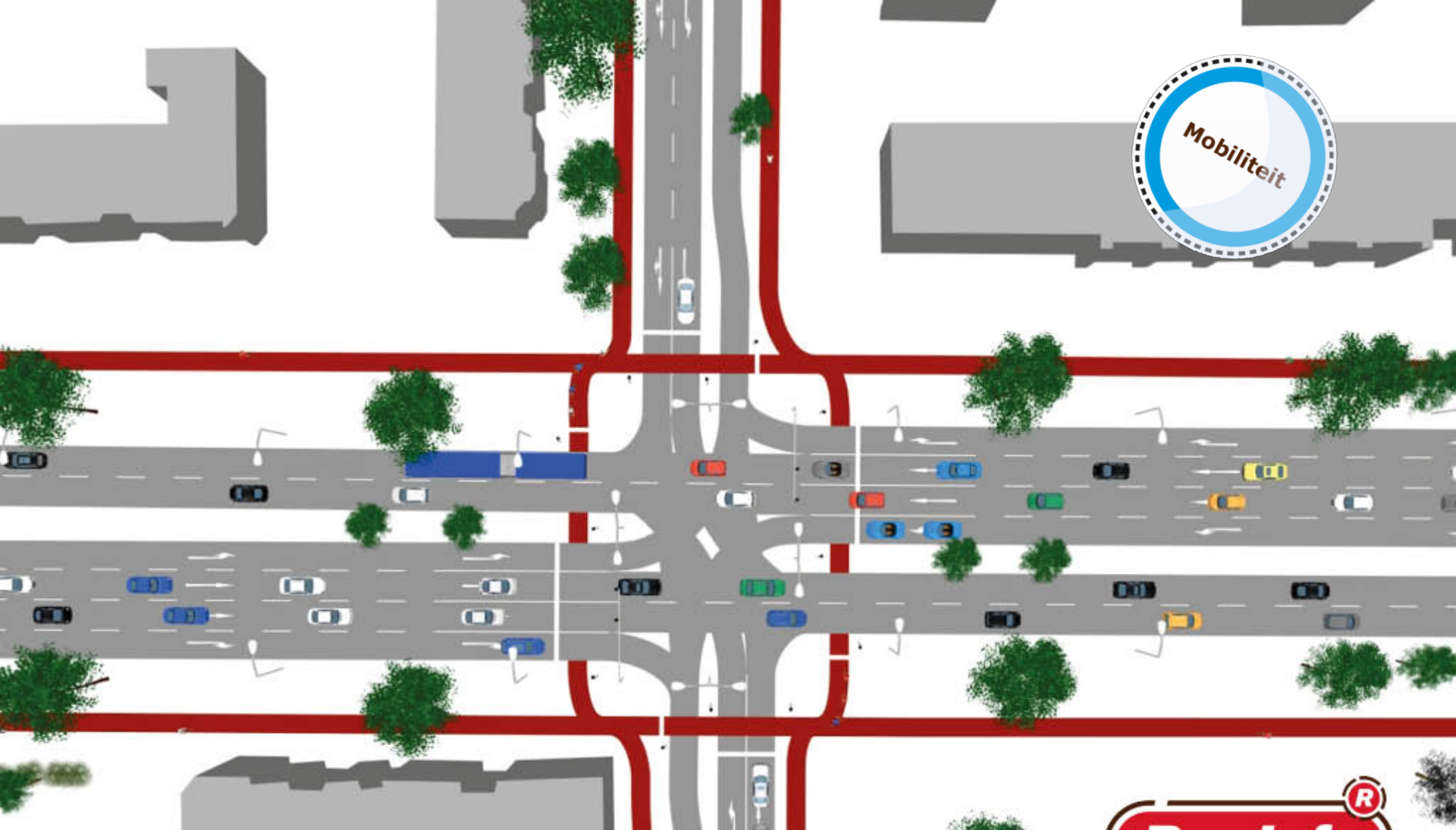


Areas of expertises



- Area development
- Mobility
- Asphalt, concrete, paving
- Management & maintenance
- Water, sewerage & ecology
- Energy & environment
- Raw materials

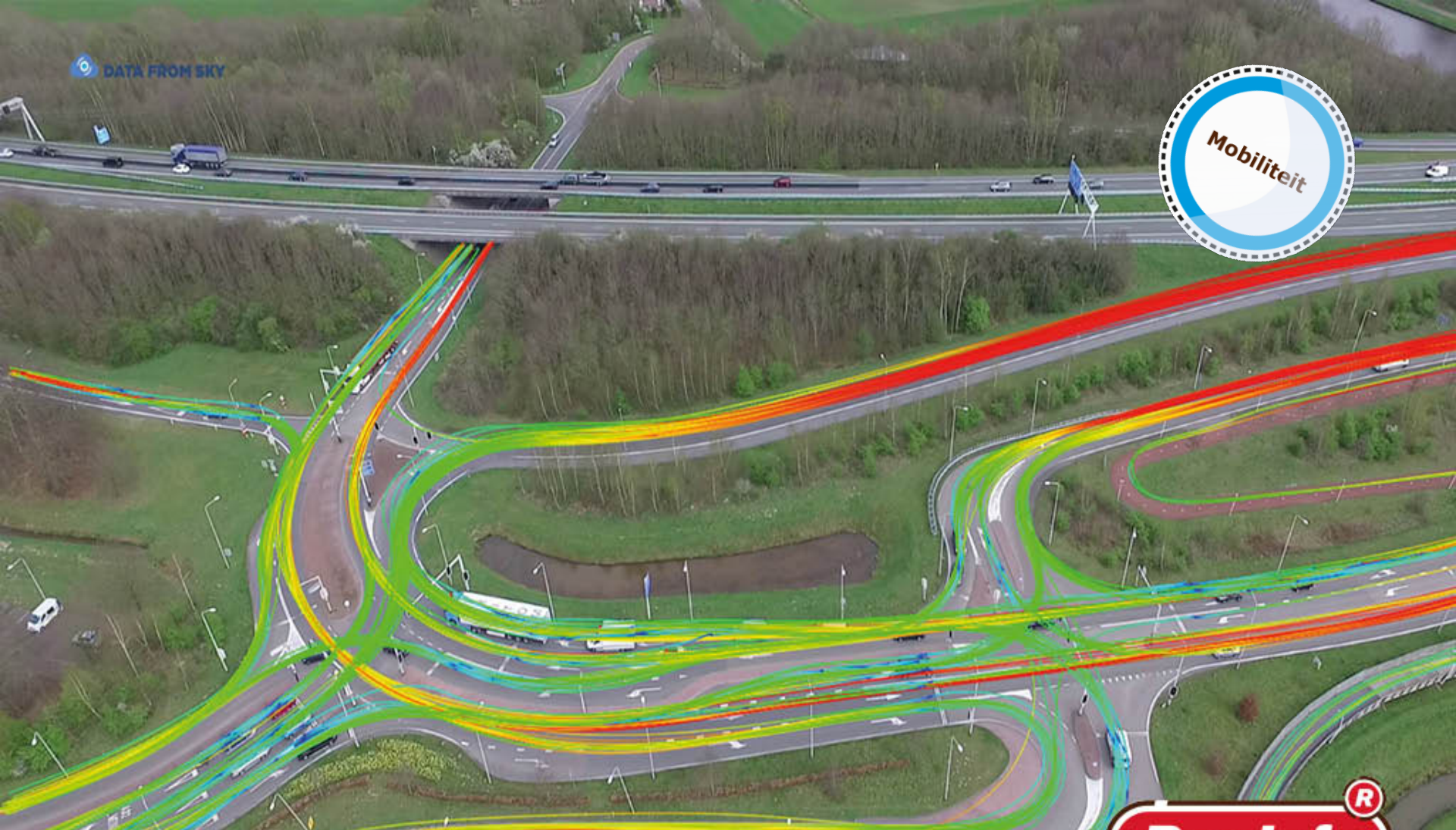




INNOVATIE

Kruispuntanalyse





INNOVATIE



'Van asfalt naar asfalt'
Cellulosevezels uit gebruikt
toiletpapier opnieuw toegepast

Lynpave
Hoogstabiël laagtemperatuur asfalt
dat hoge CO2-reductie oplevert

Lignine
Hoogwaardige toepassing
van lignine in biobased asfalt

Rubberpave
Ultrastil asfalt op basis van
rubber van autobanden

INNOVATIE

Asfaltmengsels

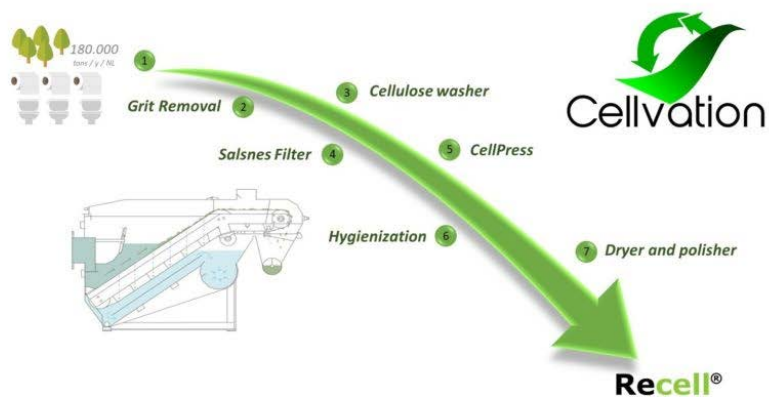


't Febriek



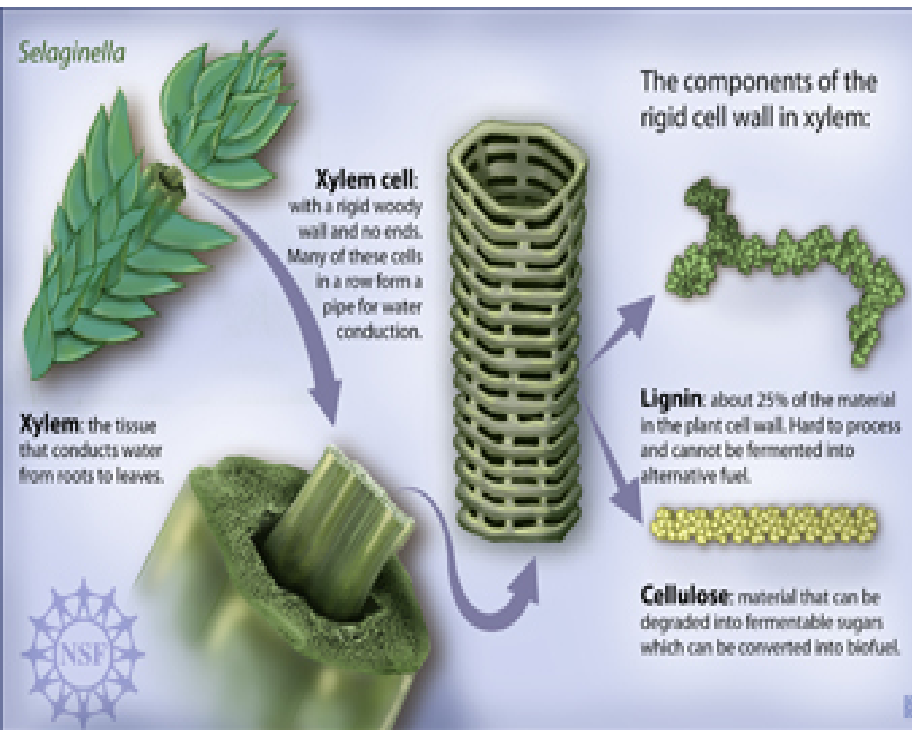
Fietspad met laagje wc-papier

Hardlopers en publiek kunnen sinds gisteren al even terecht op de Zuidelijke Randweg. Auto's moeten tot vrijdag wachten. Bijzonder: in het asfalt van een deel van het fietspad is gebruikt wc-papier verwerkt. „Maar daar ruik je niks van, hoor!”



Lignine

- 50% bitumen replacement
- TR4





INNOVATIE

Digital Infra Solutions (DIS)





INNOVATIE



Roelofs Designlab - ontwerp op maat in Virtual Reality

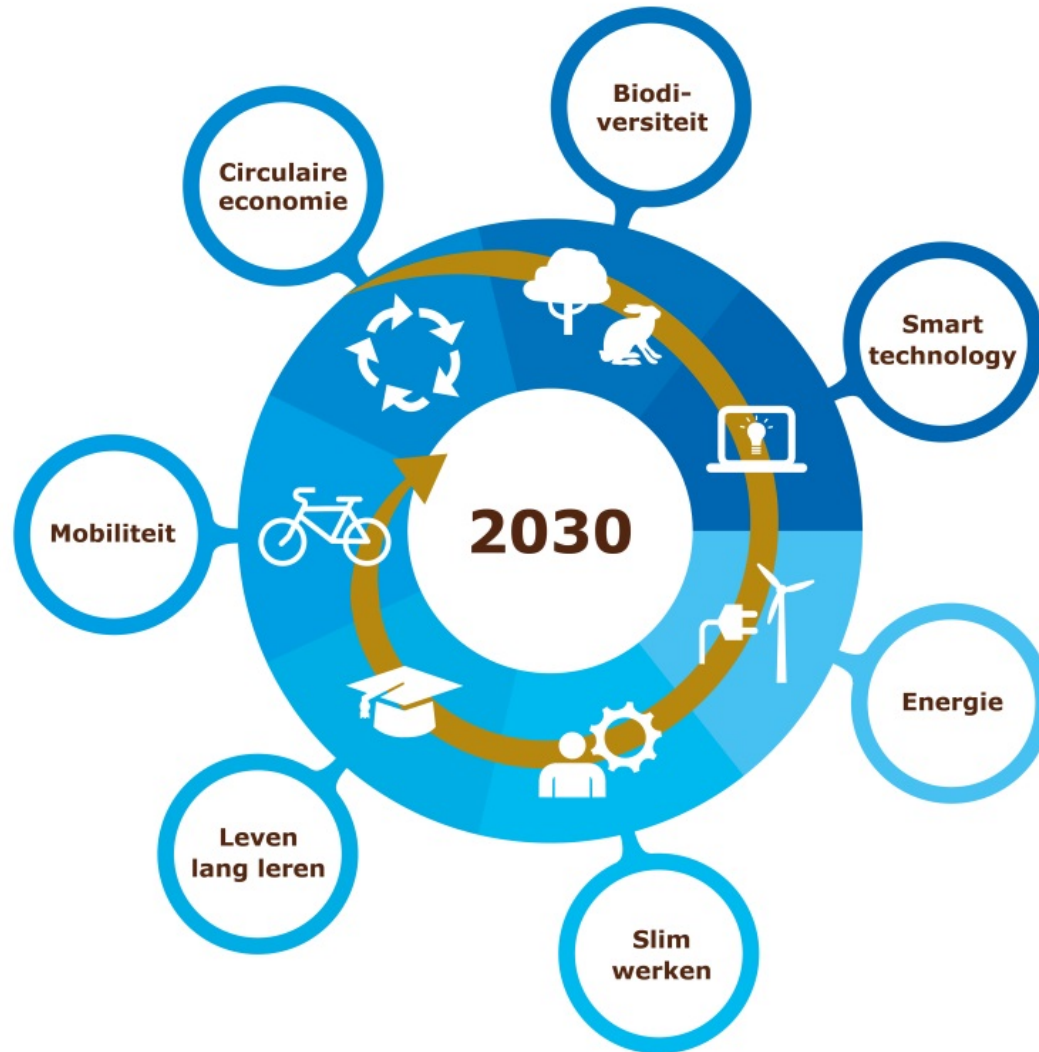


INNOVATIE

KlimaatActieve Stad
Hittestress, wateroverlast en droogte



Ambition of Roelofs

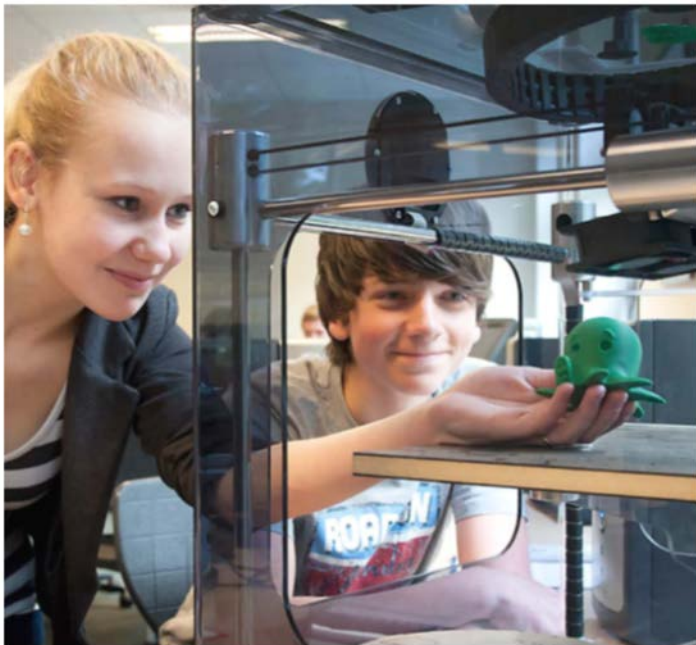


National program in The Netherlands



Nederland circulair in 2050

Rijksbreed programma Circulaire Economie



100% circular economy by 2050

100% circular procurements by 2023

Less talking → more action!

Green Deals



“Create majority to change the system”

M. Grit, Commercial Director

- Green Deal temporary nature
- Green Deal Circular procurement 2.0
- Green Deal Sustainable Infrastructure 2.0

Green Deal: Temporary nature

- Land owners develop protected nature on terrains waiting for definite use.
- 2012 – 2015
- 2000 ha. In 30 area's
- Start of: Temporary Nature Netherlands Foundation

Roelofs @ Eeserwold

- Improve biodiversity
- 200 hectare
- Cooperation with local ecological organisation

Temporary nature @ Eeserwold



Green Deal: Circular procurement 2.0



- “From pilot to scale up”
- 50 organisations (public and private)
- Goal: transform procurement processes
- Share knowledge, experiences and obstructions during meetings and work groups
- Roelofs compass
 - Nominated for innovation top 100



Green Deal sustainable infrastucure 2.0



Ambition

In 2020 sustainability is an integral part of all rail-, ground-, water- and road construction projects.

Sustainability is business as usual!

All parties acknowledge that a good balance between people, planet and prosperity is the starting point for a sustainable infrastructure sector.

In 2020 all infrastructure projects use the sustainable infrastructure method in planning, public tenders, construction and maintenance.



2.0

Who?

- Ministry of infrastructure and water management
- Prorail
- Provinces
- Water boards
- Municipalities
- Construction companies
- Consultancy firms
- Suppliers
- Knowledge institutions



Transition agenda's

- Transition 1 – From costs to value
- Transition 2 – From reactive to proactive
- Transition 3 – From unique to uniform
- Transition 4 – From alone to together

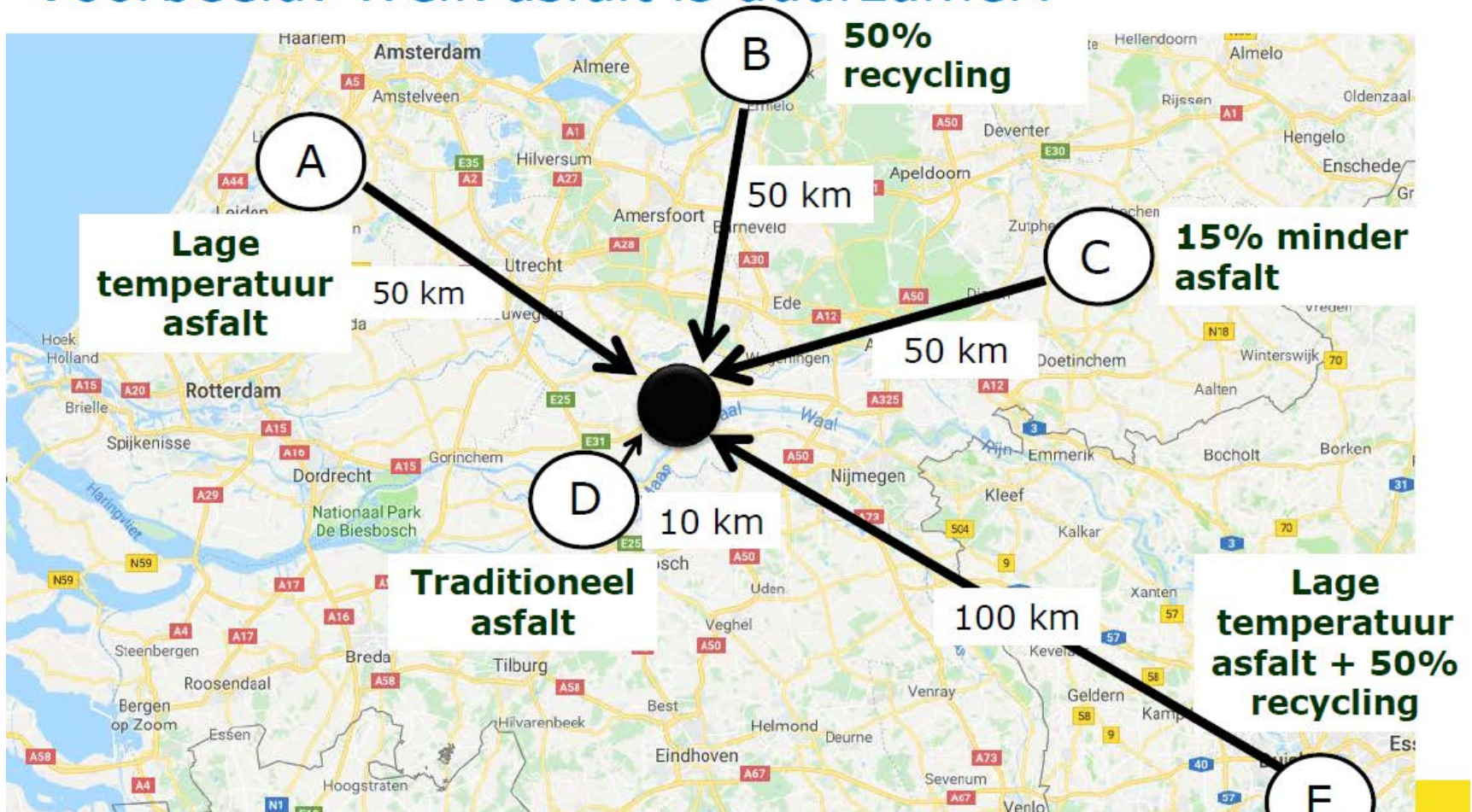
Instruments

- Environment scan (Omgevingswijzer)
 - 12 themes
- Ambition web
 - Set goal per theme
- DuboCalc
 - Measure this goals
 - Based on LCA
- CO2-certificate
 - CO2 reduction over complete life cycle

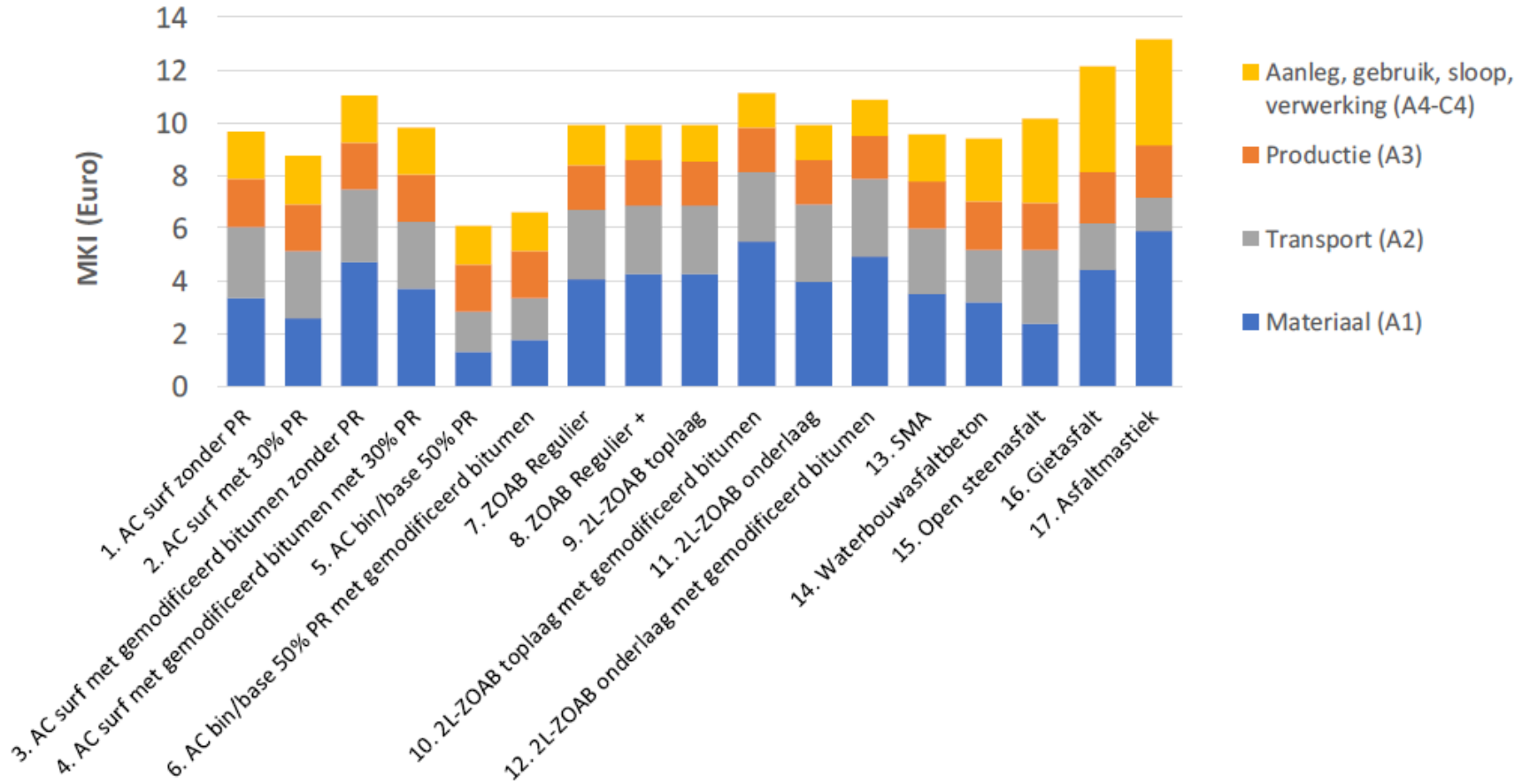
Measure sustainability



Voorbeeld: Welk asfalt is duurzamer?



Impact analyse per fase
in MKI per ton



What can we offer you:

- Help formulate an ambition (for organisation or project)
- Measure this ambition
- Make (public) tenders documentation
- Judge incoming project proposals

Tack!



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