i|DS
Introductie
Duurzaam
Stortbeheer

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Introduction sustainable landfill management

Policy considerations
for regions and the state

COCOON
Interreg Europe

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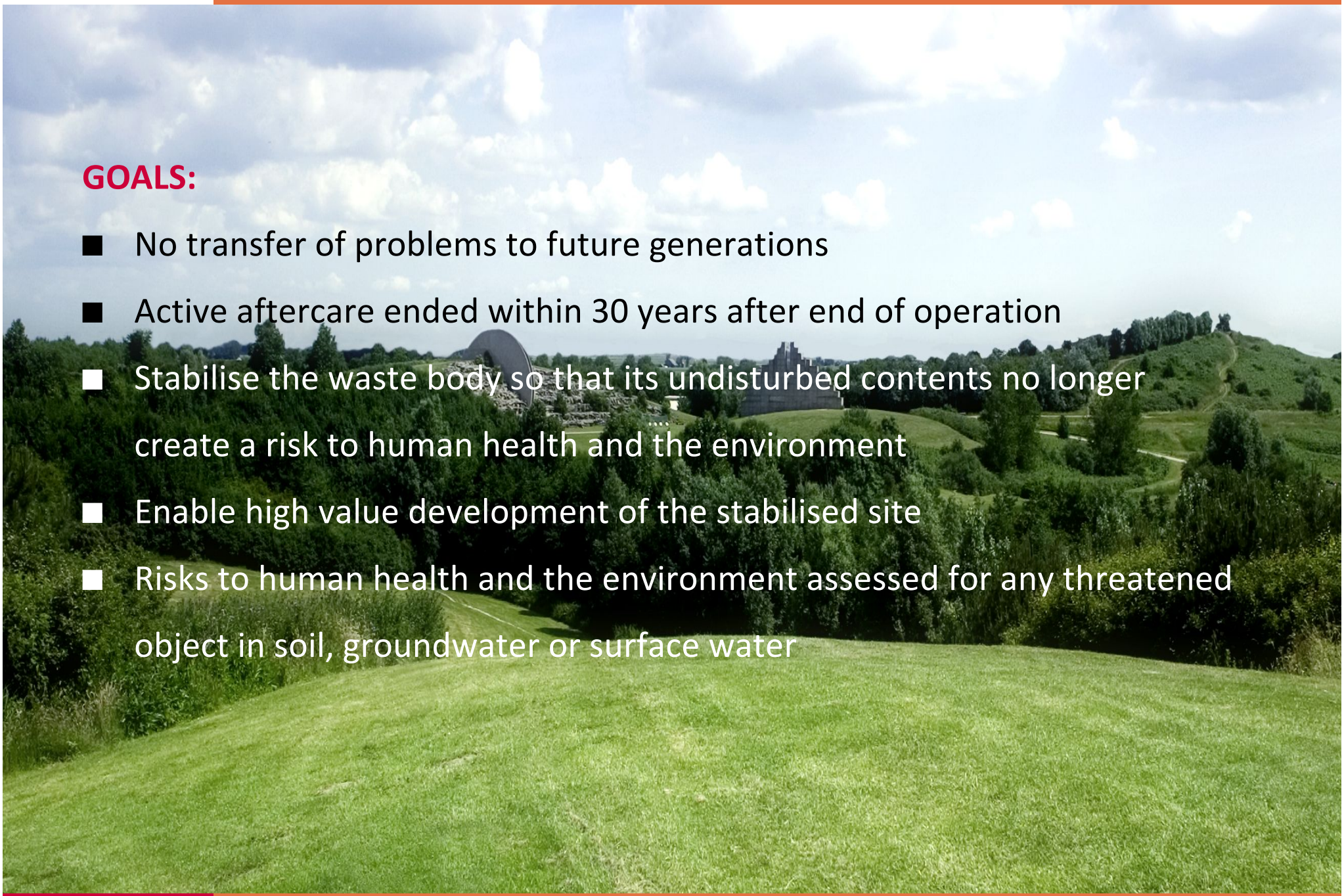
PROVINCIE FLEVOLAND

introduction Sustainable Landfill Management

HISTORY:

- 1994: DWMA: contest “landfill in the next century”
- 1997: DWMA: feasibility studies: 4 concepts of sustainable landfill
- 1999: Dutch Sustainable Landfill Foundation
- 2000-2005: DSLF: 3 sustainable landfill pilot projects
- 2007-2009: DSLF: feasibility studies accelerated stabilisation
- 2007-2010: Ministry: modernisation of Dutch landfill legislation
- 2010-2014: Ministry: iSLM investigations and discussions
- 2015: All stakeholders: GreenDeal iSLM

introduction Sustainable Landfill Management



GOALS:

- No transfer of problems to future generations
- Active aftercare ended within 30 years after end of operation
- Stabilise the waste body so that its undisturbed contents no longer create a risk to human health and the environment
- Enable high value development of the stabilised site
- Risks to human health and the environment assessed for any threatened object in soil, groundwater or surface water

Sustainability: optimal weighing of interests

Financial-economical interests

- Construction costs of final cover
- Costs of management and maintenance
- Costs of monitoring
- Increase in value of the site

Social interests

- Inheritance of future generations
- Administrative attention for aftercare
- Utilisation of potential after-use
- Image of ‘landfill’ current after-use

Environmental and ecological interests

- Ecological value
- Potential emission
- Impact on soil
- Impact on WWTP and/or surface water
- Impact on atmosphere

Interest of regions and state

Interests of regions

- Reduction of long-term environ-mental risk (including disasters)
- Tackle the source
- Reduction of costs for eternal aftercare and the financial provision
- IMAGE: province invests in innovation and sustainability

Interests of the state

- Long-term environmental interest: tackle the source
- Modernisation of policy to state-of-the-art technology
- Stimulation of innovation and sustainability in trade and industry
- Netherlands internationally takes the lead in developing environmental criteria for landfills

Interest of regions and state

Intended result

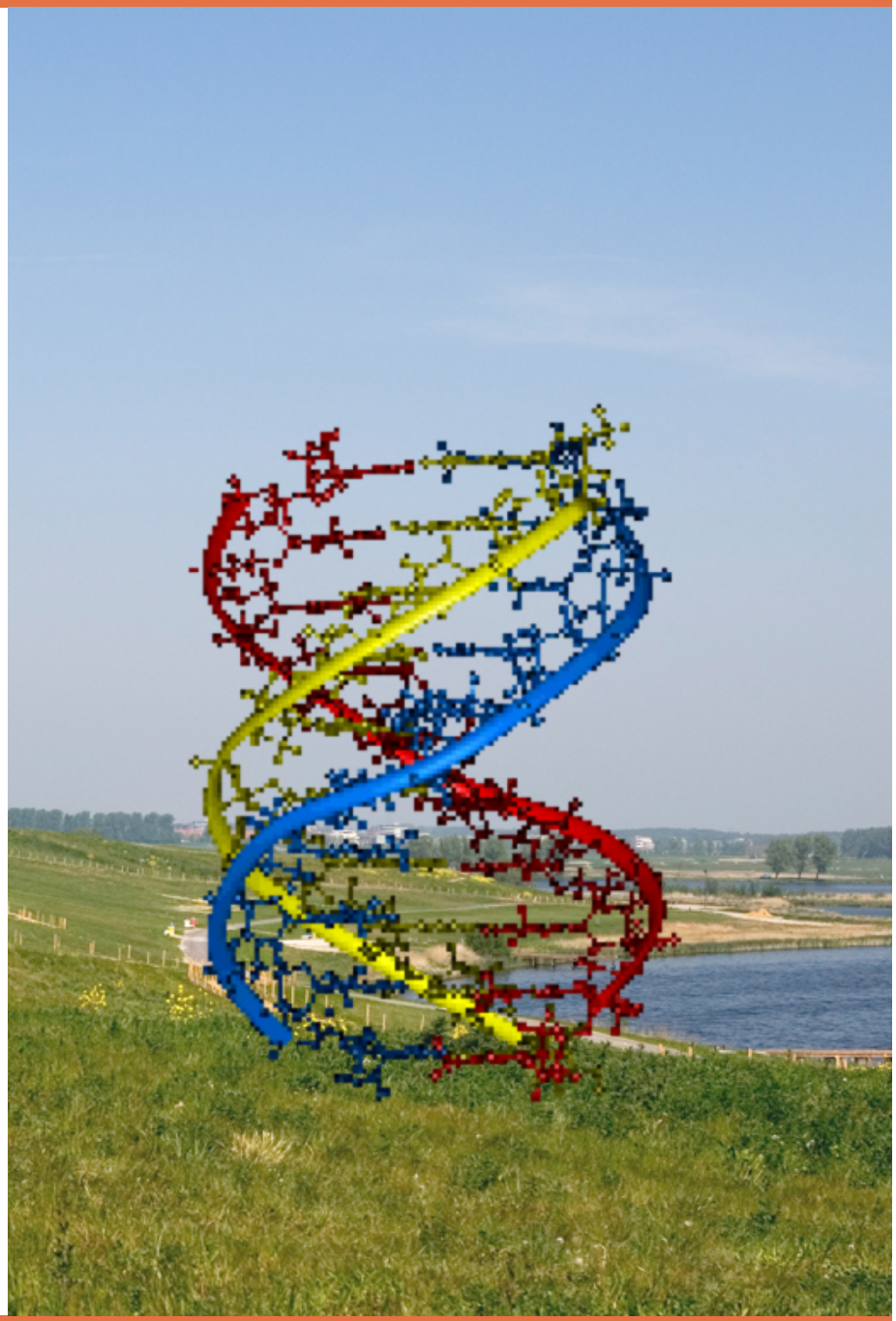
- Acceptable emissions
- Reduction of potential emission
- Cost saving final cover
- Limited (or less) aftercare
- Policy modernisation

Important conditions execution iDS

- Project possible through changed legislation by the state
- Carried by the landfill industry
- Investment 10 - 14 millon euro
- Potential cost saving on final cover and aftercare
- Subsidies for supporting fundamental research

Cooperation

- Sealed in a public-private agreement: Green Deal



Public – private agreement