



Smart regulation for Green Growth

*Legal solutions for
stimulating innovation and
investments for a biobased
and circular economy*

10 juni 2015



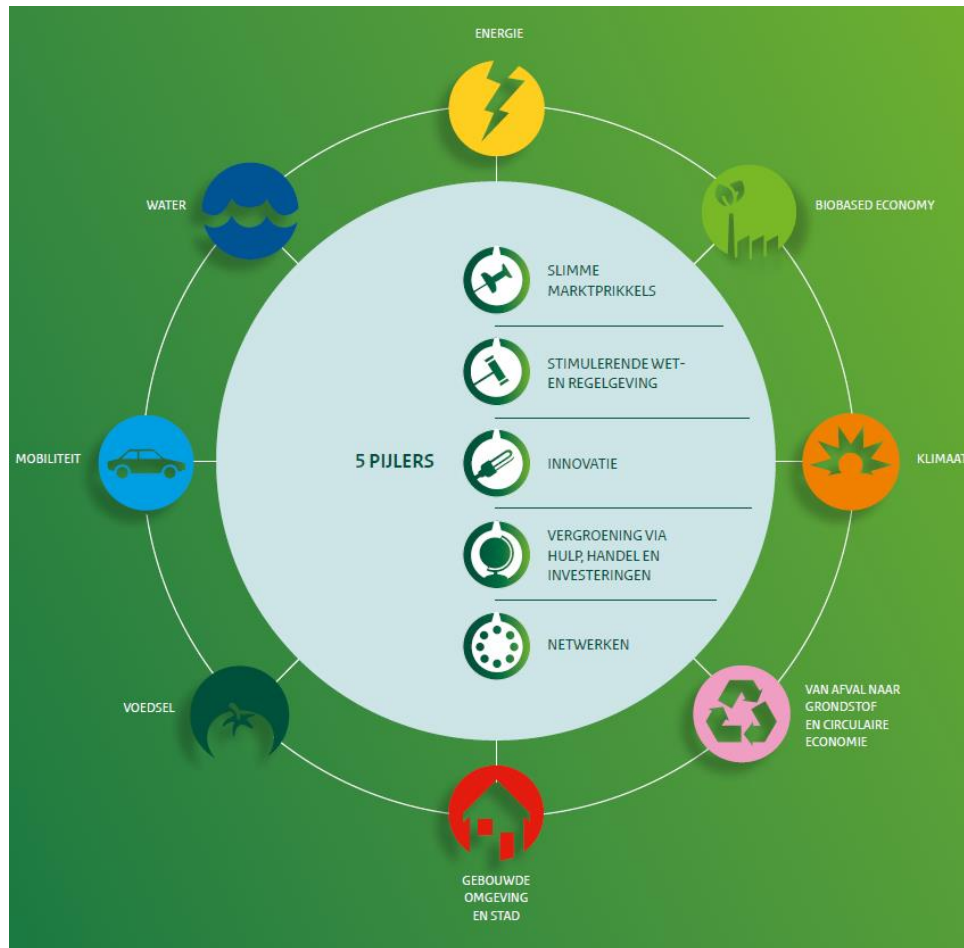
Green growth



“to achieve economic growth and development, while at the same time ensure that natural assets continue to provide the ecosystem services on which our well being relies.”



Dutch policy framework



Policy instruments

- 1 Stimulating markets
- 2 Smart regulation
- 3 Innovation
- 4 Sustainable trade policy
- 5 Networking

Policy domains

1. Energy
2. Biobased economy
3. Climate
4. Circular economy (from waste to resource)
5. Green construction
6. Agro/food
7. Mobility
8. Water



Bio economy

- Replacing petrochemical resource with biotic resources
- Energy and materials from renewable resources
- Regional and cross sectoral alliances (agricultural and chemical sectors)

Key elements:

- Innovation
- high value cascading of resources
- cross sectoral coöperation

Circular economy

- Feedstock and resources from a growing variety of resources
- Local production with access to global markets
- Perceived role of business and government is shifting



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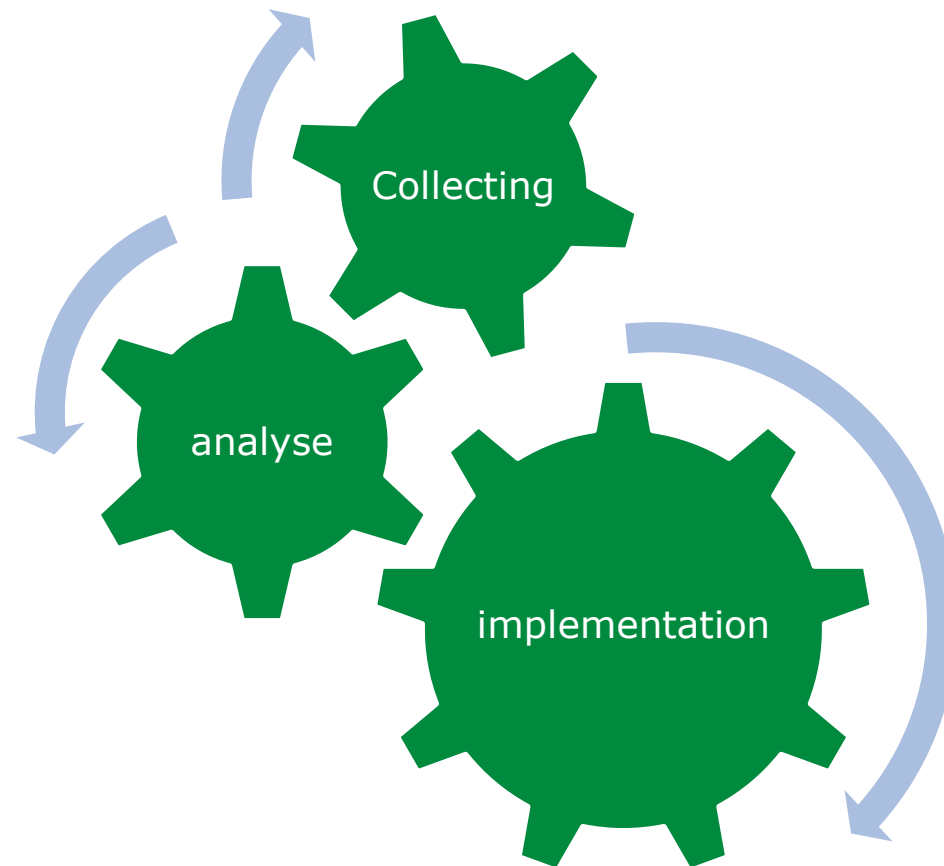
Goal: removing regulatory obstacles in favour of green innovation and investments

- Interdepartemental cooperation
- Multidisciplinary team
- Bottom up approach
- Prioritizing cases

150 cases => 60 solved



What do we do?





Classification of barriers and solutions

Operational barriers	Information and education Compliance assistance Mediation
Structural barriers	Amendment of legislation Harmonisation Implementation
Fundamental barriers	Institutional and systemic transition European union

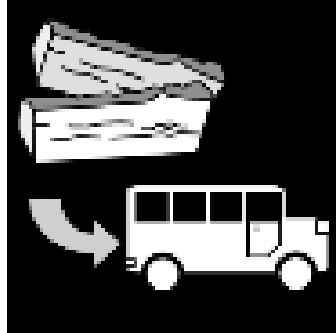


EU Frameworks

- Sustainable market for energy and materials from renewable resources (REACH, Renewable energy directive)
- Harmonized internal market for recovered nutrients (fertilizer regulation, nitrates directive, animal byproduct regulation)
- Recognition of recycled materials and substances within the chemical legislation (REACH)
- Suitable legislative framework for insect farming (General food law, animal byproduct regulation, novel foods regulation)
- Strengthen governance options for member states as partner in projects (State aid, competition law, public procurement)



Examples



BY THE NUMBERS


Sewage Is a Gold Mine (Literally)

0.3
Grams of gold Arizona State University researchers extracted from one metric ton of sewage

28,600
Dry tons of sewage produced by one million Americans a year

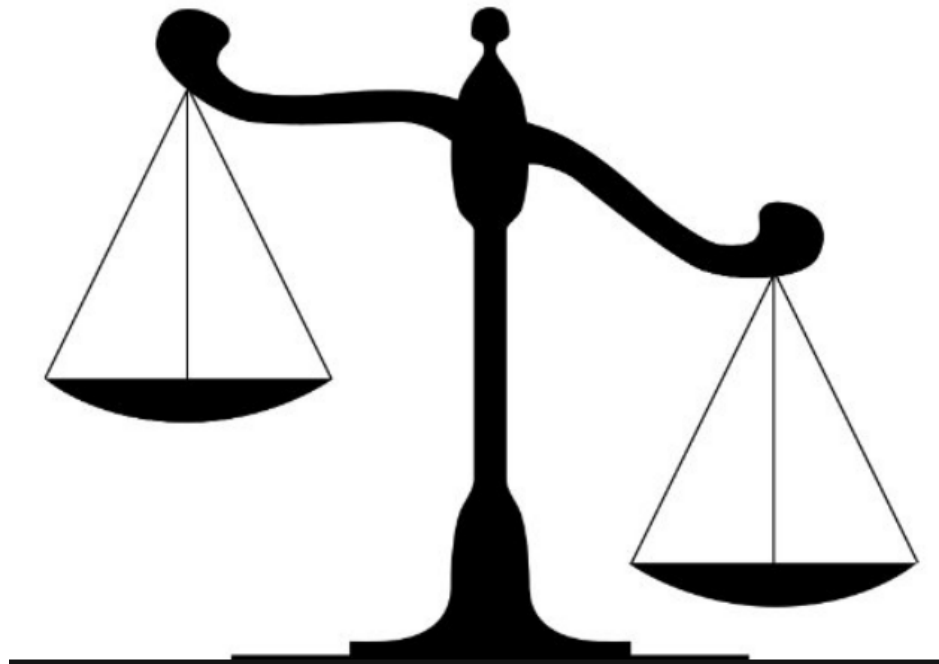
\$13 million
Projected value of metals, including gold, silver and platinum, in that sewage

For more sewage moneymaking schemes, see Steve Mirsky's Anti Gravity column "Gold Flush," on page 68.





Conflicting interests





Questions?

