



Ministerie van Infrastructuur en Milieu

荷蘭循環經濟與策略： 循環城市水案例

Strategies and Policies of Circular Economy in
the Netherlands:
Water in Circular Cities

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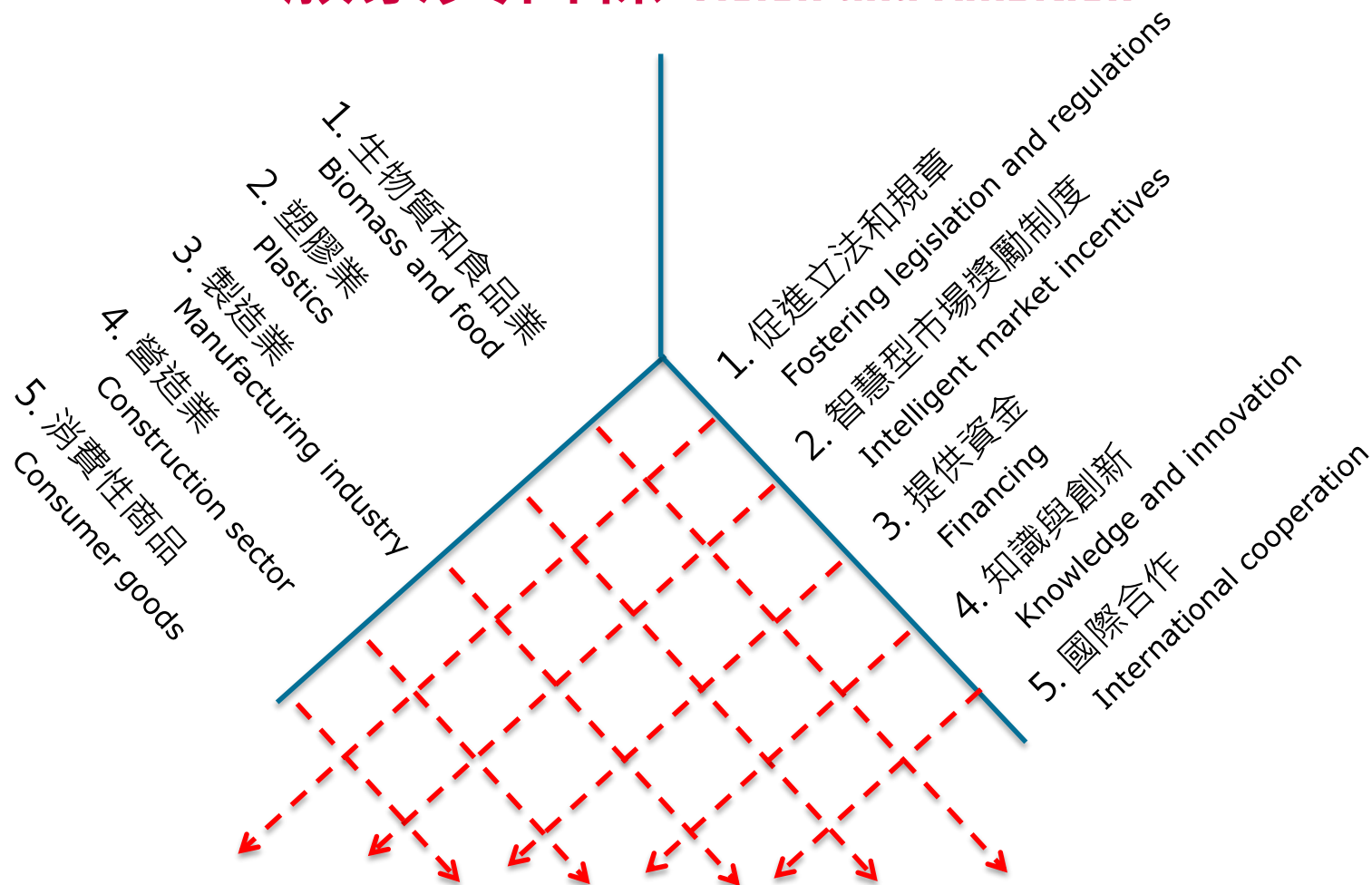
荷蘭政府希望達成什麼目標？

What does the Dutch Government want to achieve?

- **2050年達成循環經濟**
A circular economy by 2050
- **2030年之前將原料使用量減少50%**
50% reduction in use of raw materials by 2030
- **2030年不再燃燒塑膠廢棄物**
Stop burning plastic waste by 2030



願景與目標 Vision and Ambition





National Raw Material Agreement

- Signed on Jan. 25, 2017
- Main Objectives:
 - to ensure a sufficient supply of raw materials in the future.
 - contains agreements on having the Dutch economy operate on the basis of reusable raw materials.
 - The National Raw Materials Agreement builds on the plan of the Cabinet presented in September 2016 for the transition to a circular economy.
- Signatories:
 - Government: Minister for the Environment Dijkssma and Minister Kamp of Economic Affairs.
 - Business Community: Hans de Boer (VND-NCW) and Michaël van Straalen (MKB-Nederland).
 - 325 Organizations.



Dutch Actors in Circular Economy

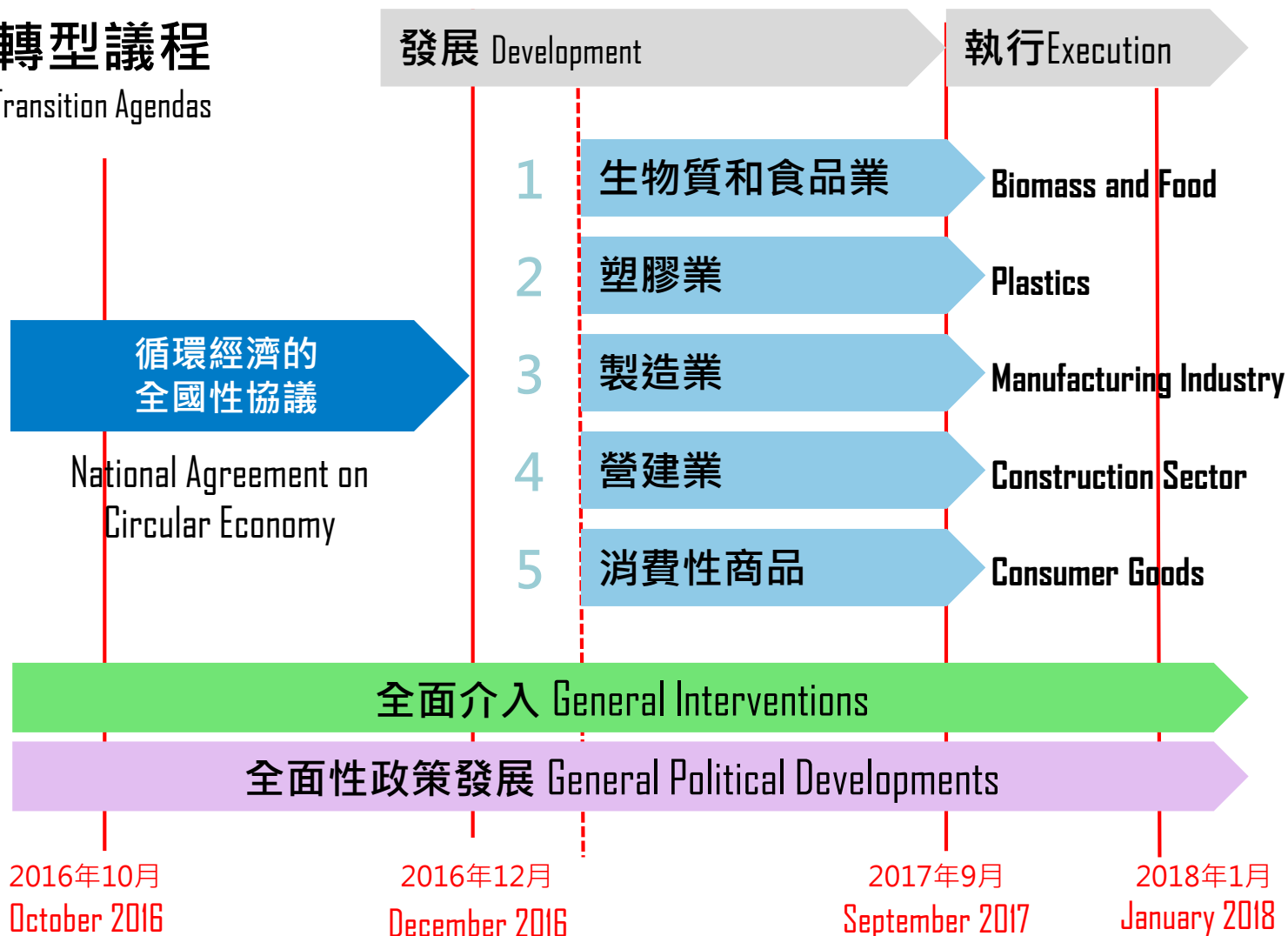


轉型議程 Transition Agendas



轉型議程

Transition Agendas

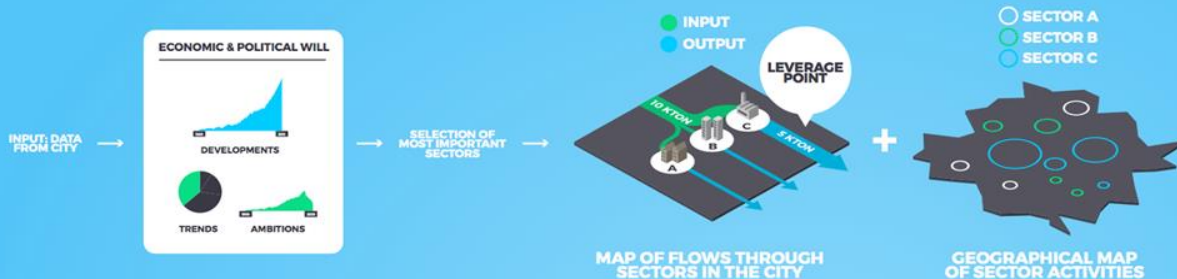




城市循環診斷 4步驟

CITY CIRCLE SCAN 4-STEP APPROACH

1 ANALYSIS 分析產業



2 FOCUS SELECTION 選擇重心



3 CIRCULAR IMPROVEMENTS 改善方法

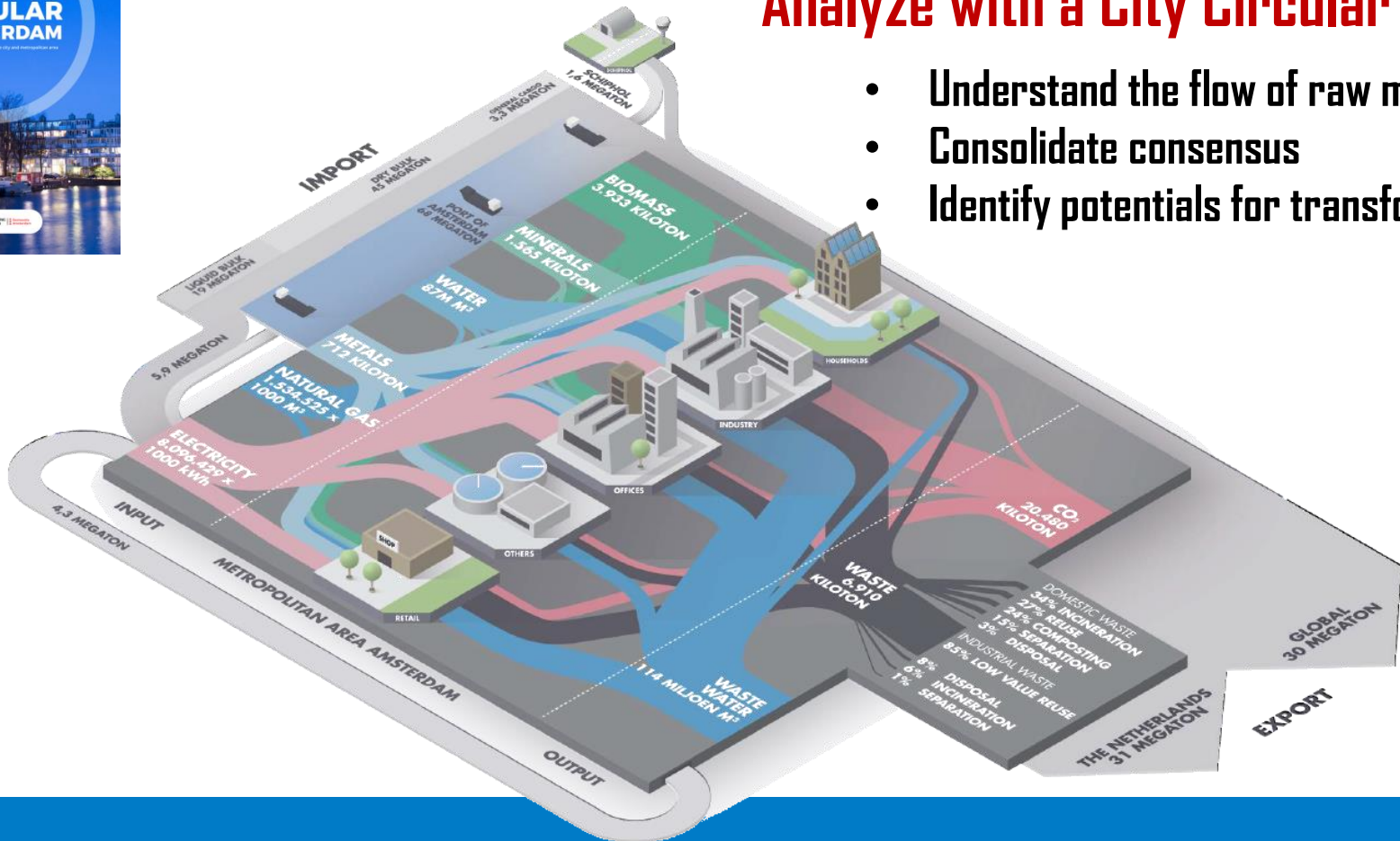


4 IMPLEMENTATION 計畫執行





Circular Amsterdam 循環阿姆斯特丹



- For higher life quality
- More business innovation

Analyze with a City Circular Scan

- Understand the flow of raw materials
- Consolidate consensus
- Identify potentials for transformation

WATER AS A SOURCE OF THE CIRCULAR ECONOMY

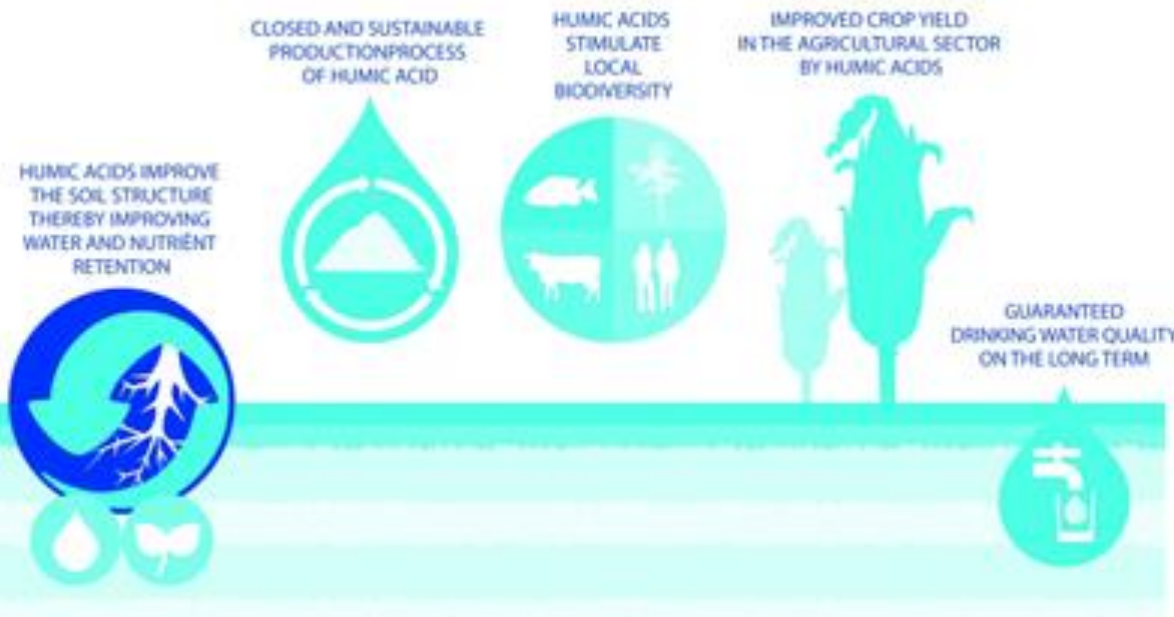
水也是循環經濟的重要一環

Potential for Water Purification

- ✓ Soil Improver
- ✓ Animal Feed
- ✓ Improve Ground Water Quality

淨水殘留物的循環契機

- ✓ 土壤改良劑
- ✓ 動物飼料用
- ✓ 改善地下水水質



FosVaasje: Your Urine as Fertilizer



water  net





provincie **HOLLAND**
ZUID



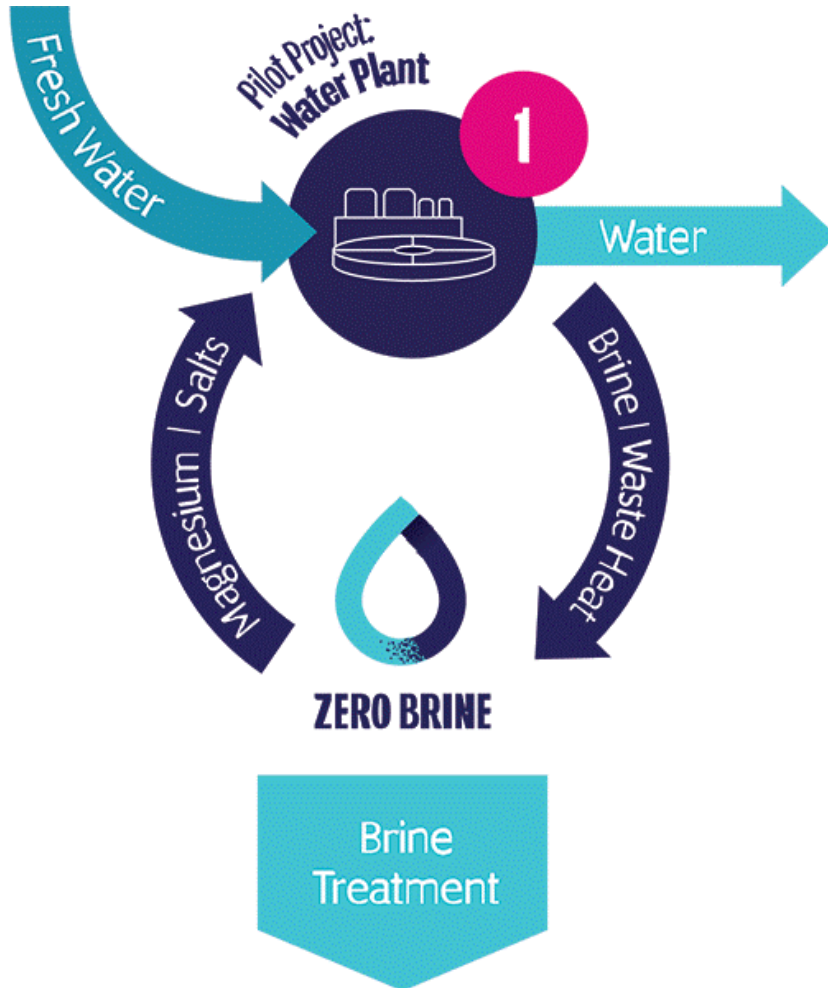
Hoogheemraadschap van
Rijnland



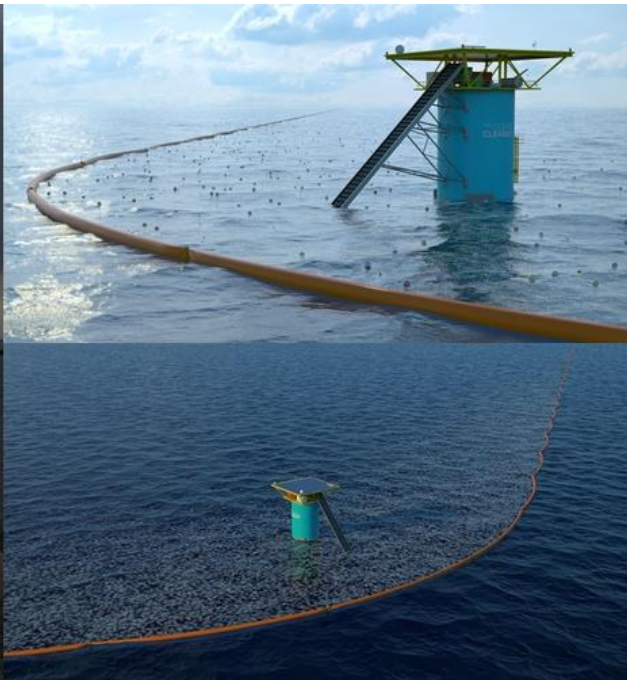
WAGENINGEN
UNIVERSITY & RESEARCH



recovering minerals and water from industrial brines



THE OCEAN CLEANUP



Denim made from plastic
recycled from the ocean





PlasticWhale.com
The Plastic Fishing Co.





DANKJEWEL

