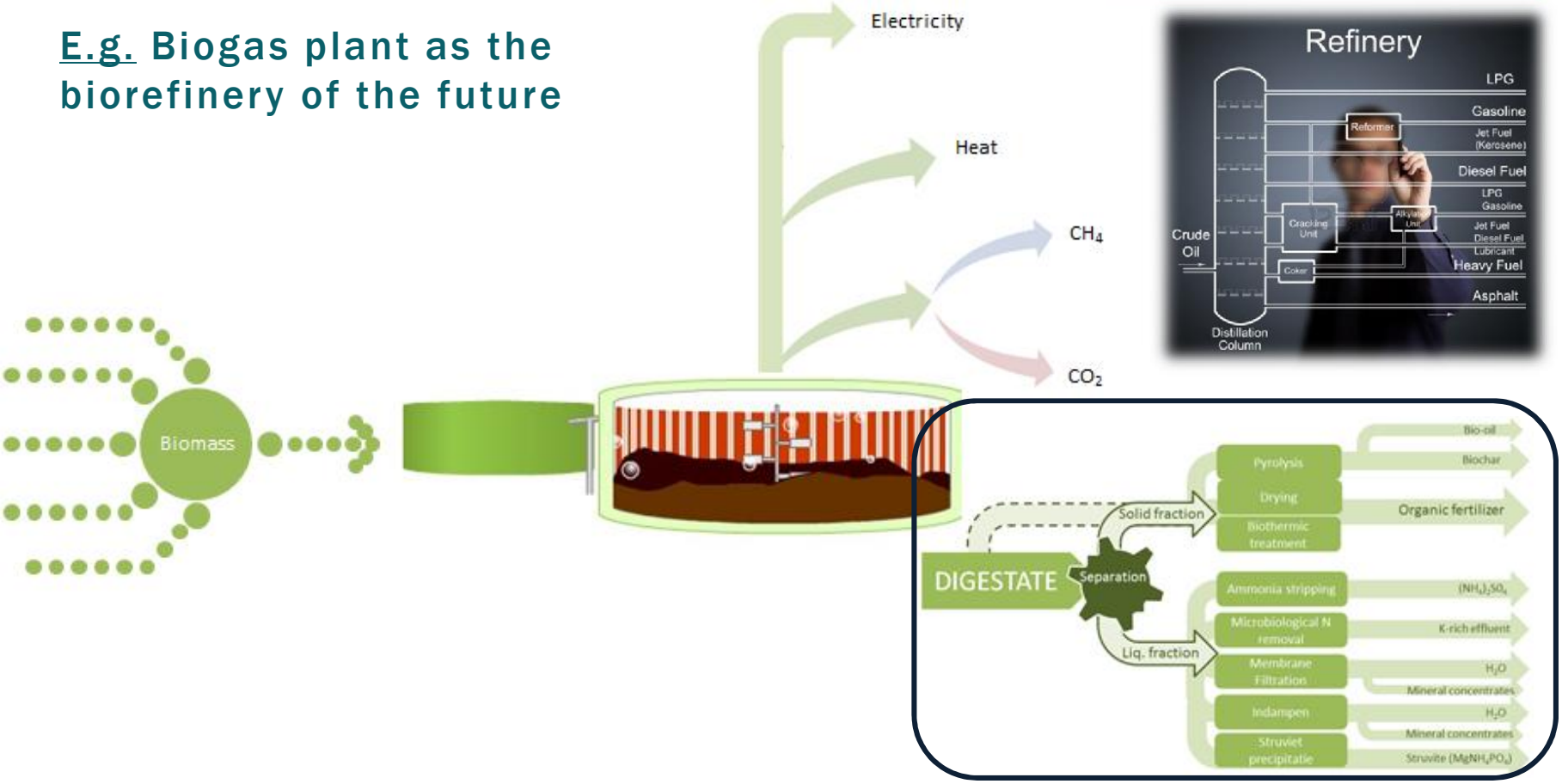
BIOREFINE CLUSTER EUROPE

Energy & Nutrient Cycling for a Sustainable Economy

ORIGIN

- **BIOREFINERY**: Production of energy carriers and new derivatives from renewable biobased resources

E.g. Biogas plant as the biorefinery of the future



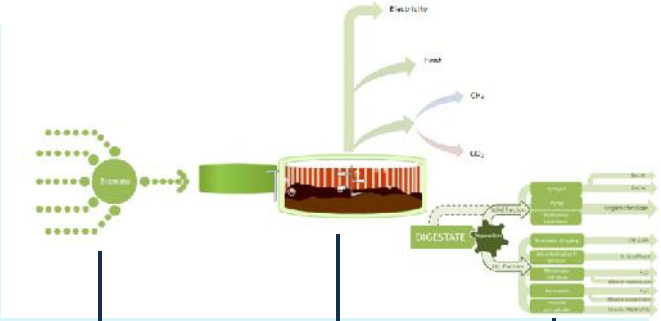
PROJECT CHALLENGES

- Numerous consortia dealing with similar topics (fragmentation)
- Extending the life span of deliverables after a project ends
- Ensuring relevant and substantial impact on stakeholders
- Technology development to business implementation

CLUSTER OBJECTIVES

- Strengthen interaction between projects involved
- Enhance research, policy & business development
- Foster stakeholders outreach (triple helix)

COMPETENCE FOCUS



Input

- Waste-2-Energy
- Energy crops & agro-residues
- Low impact biomass
- Biomass on contaminated land

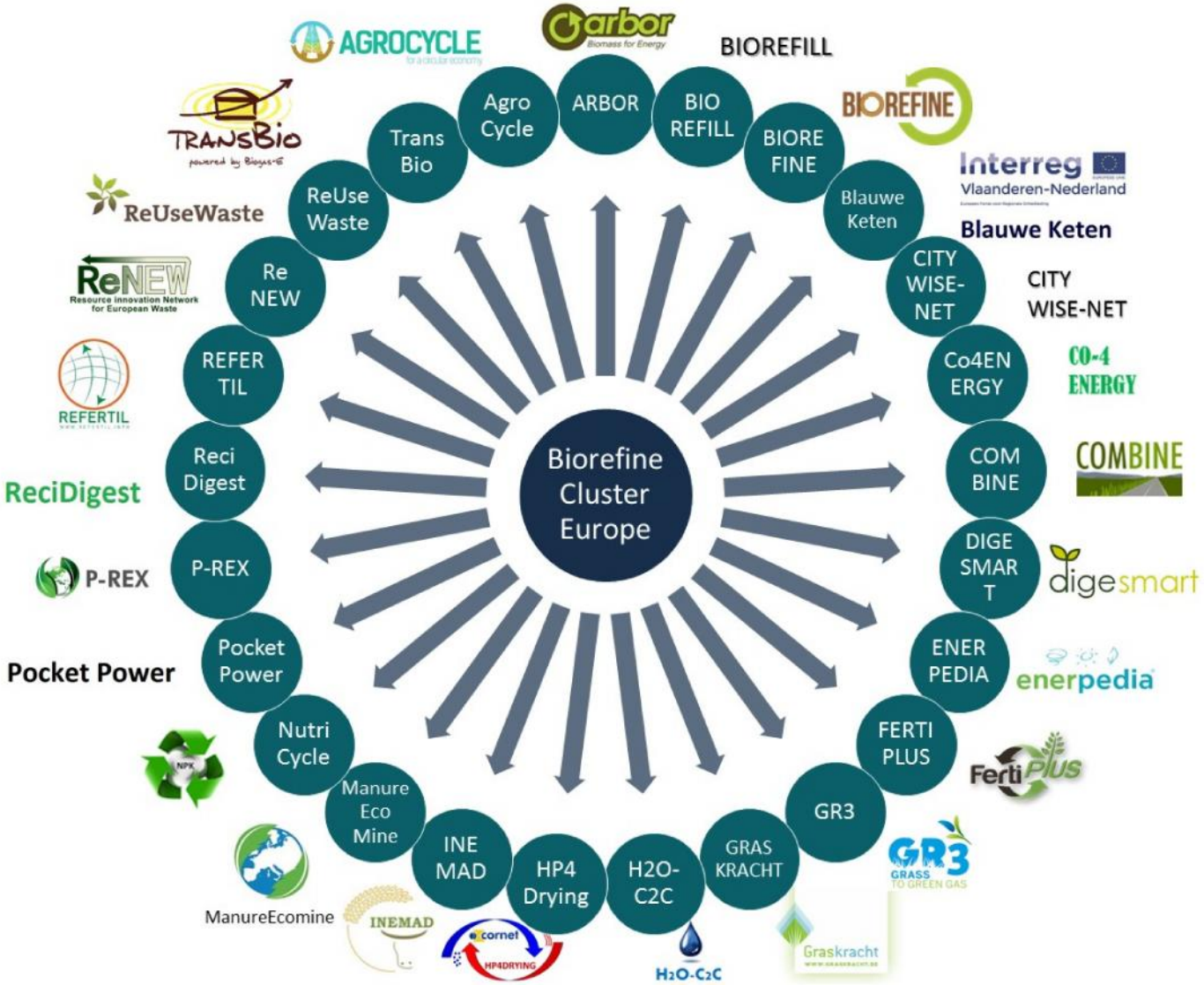
Energy

- Energy technology optimization
- Energy end use optimization
- Gas upgrading & utilization

C2C

- Match-making industry with biobased secondary resources
- Nutrient recovery & green fertilizers
- Water recuperation & re-use
- Renewable resources for inorganic chemistry sector

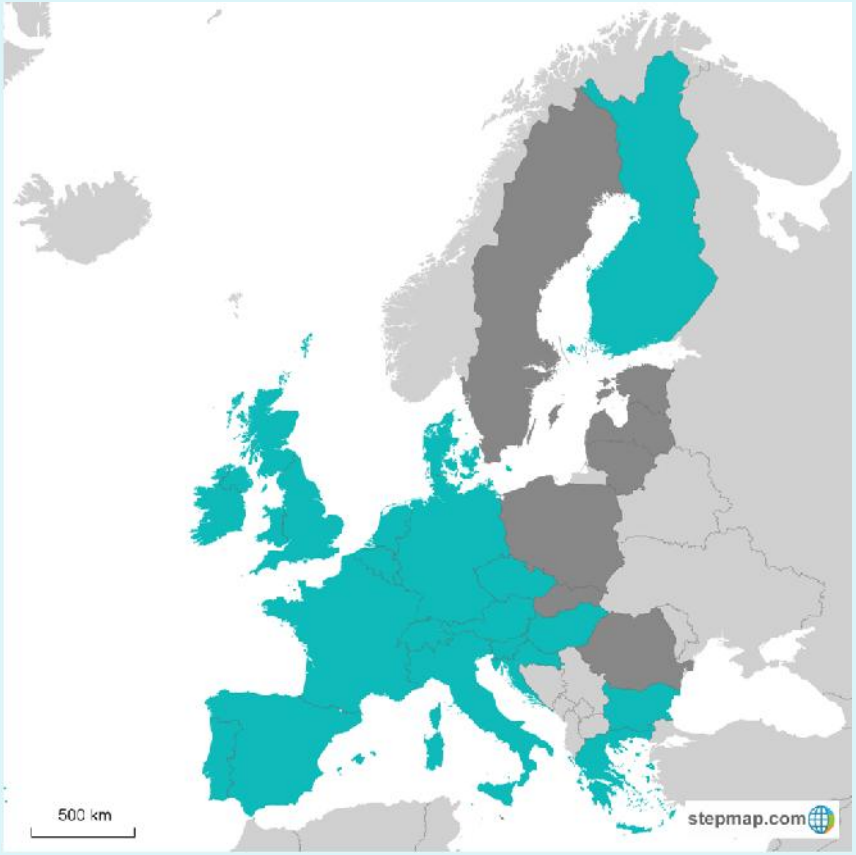
MEMBER PROJECTS



CRITICAL MASS

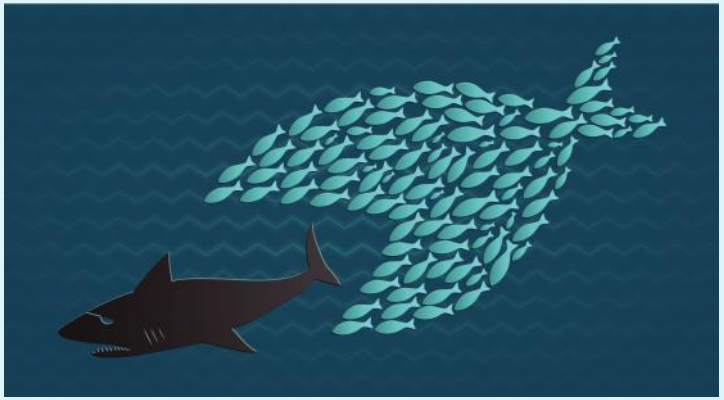
Specifics	BCE numbers
Projects	25
Countries	20
Entities	>190
Experts	>620
Budget	68 mio EUR

dd. 20 Sep 2016

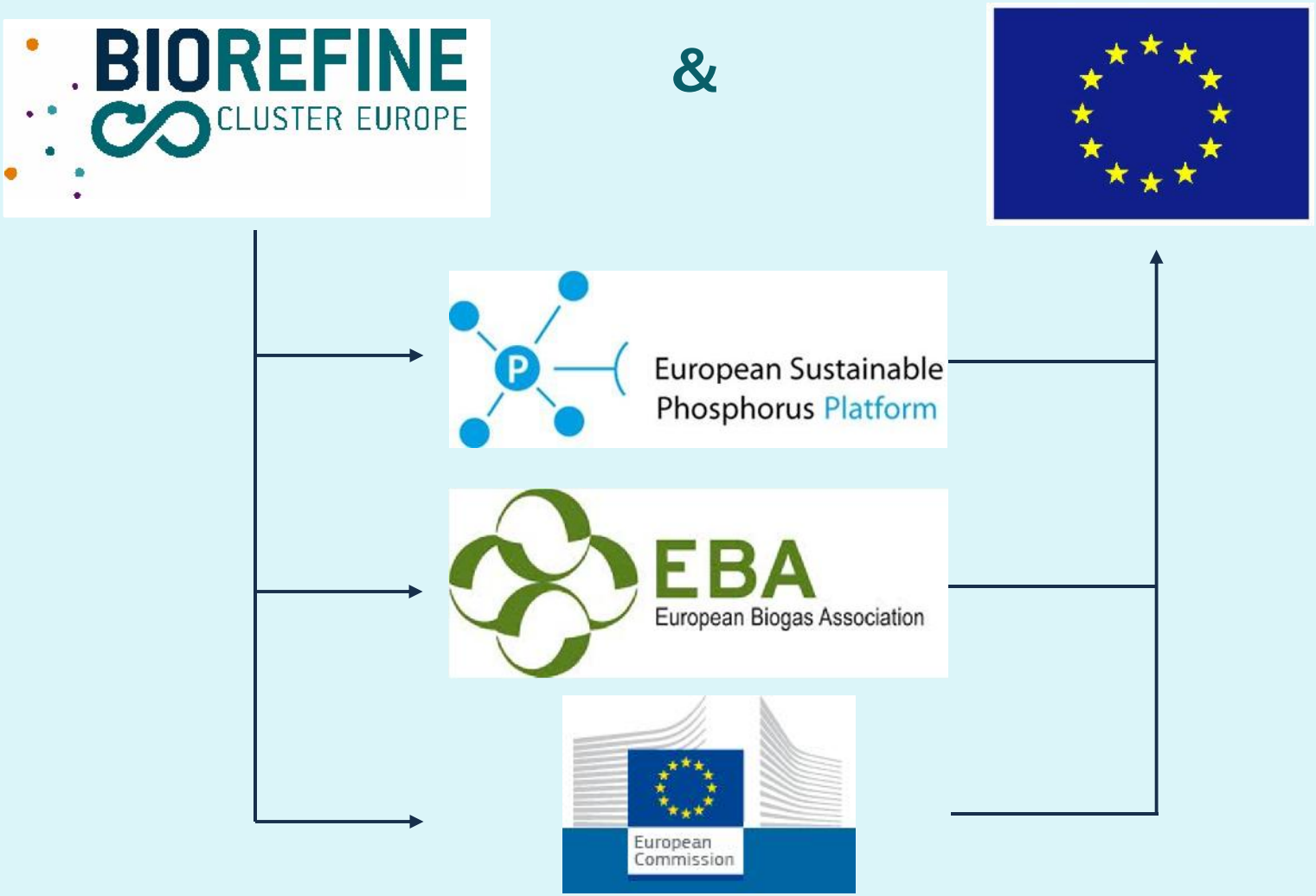


JOINT STRENGHTS

- Maximized project impact
- Additional ‘convincing power’
- Enhanced exposure
  - Website
  - BioRefine Bulletin
  - Joint events
- Powerful stakeholder events
- Exchange of data and results
- Expert mobility between entities involved
- Stronger network and project development
- Accelerated market implementation



INTERNATIONAL CONNECTION



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