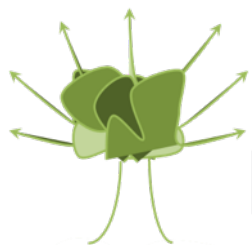


Green economy and its recent developments on measurement and indicators

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Founder and CEO, KnowlEdge Srl



KnowlEdge Srl



Introduction: Definitions

At a visionary level, a **Green Economy** is one that results in increased **human well-being** and **social equity**, while significantly reducing **environmental risks** and **ecological scarcities** (UNEP, 2011).

“**Green growth** means fostering **economic growth** and development, while ensuring that **natural assets** continue to provide the resources and environmental services on which our **well-being** relies” (OECD, 2011)

Introduction: Definitions

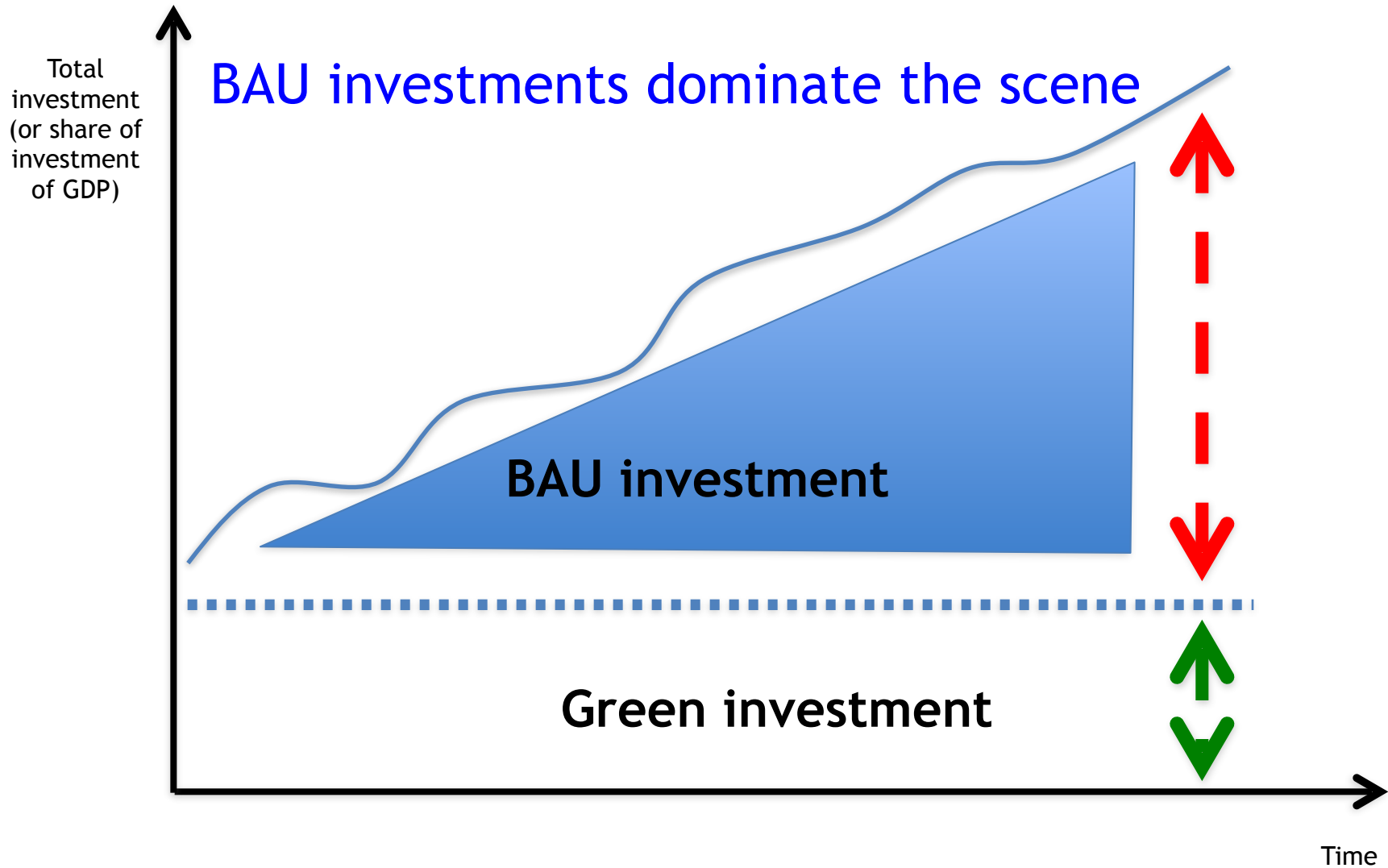
- There is no one approach to a green economy.
- In a green economy, growth in **income and employment** are driven by public and private **investments**.
- These investments need to be catalyzed and supported by **targeted public expenditure and policy reforms**.
- And, a green economy recognizes **natural capital** as a critical economic asset.

Introduction: Definitions

- **GE as a vehicle for sustainable development:**
 - Resource efficiency (*land use, water*)
 - Low carbon development (clean energy, forests)
 - Equity and environmental preservation (access to food and energy, trade).
- **GE as an action-oriented approach that needs to be customized and developed locally.**

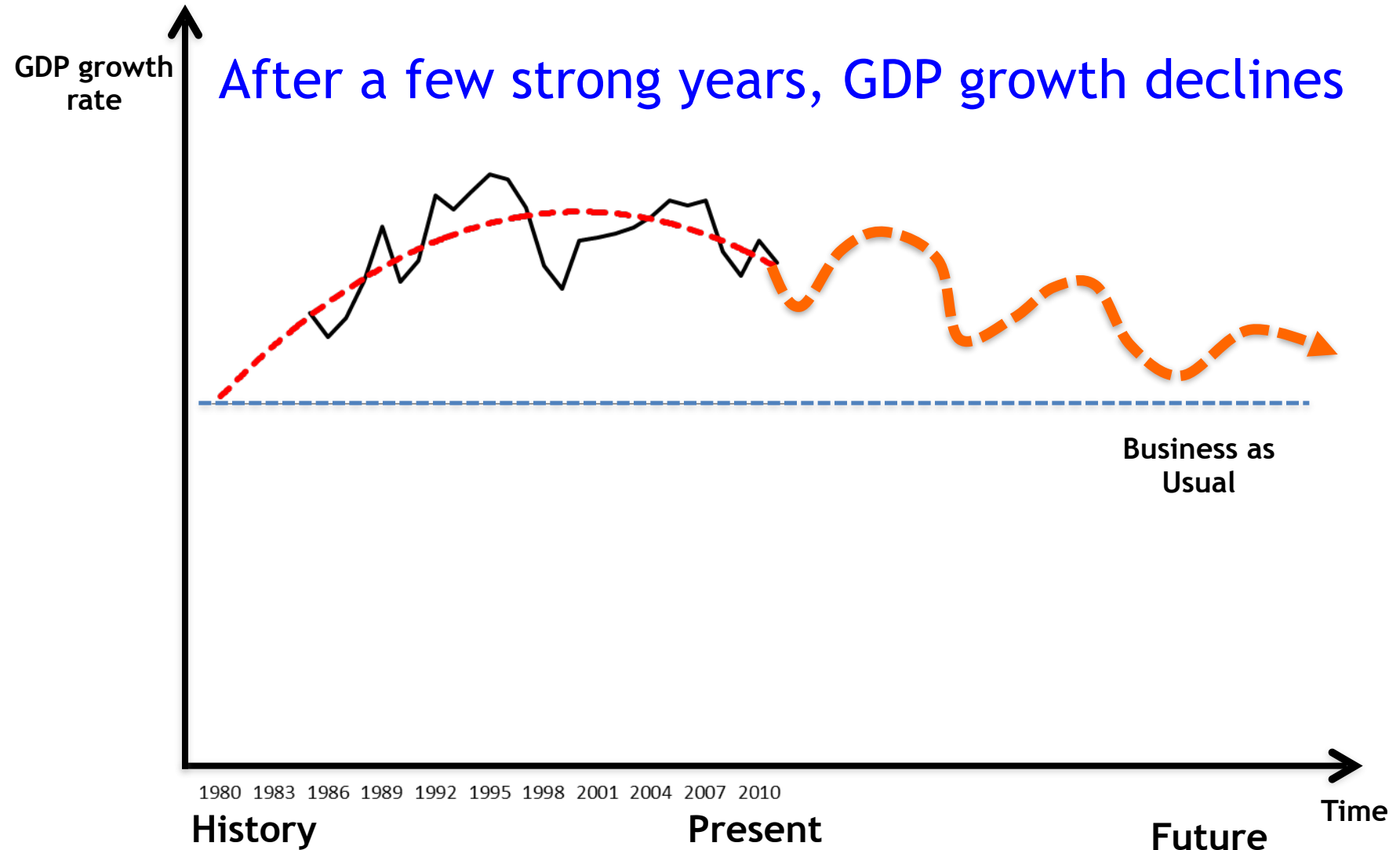
Rationale for a GE

What do we learn from other countries?



Rationale for a GE

What do we learn from other countries?



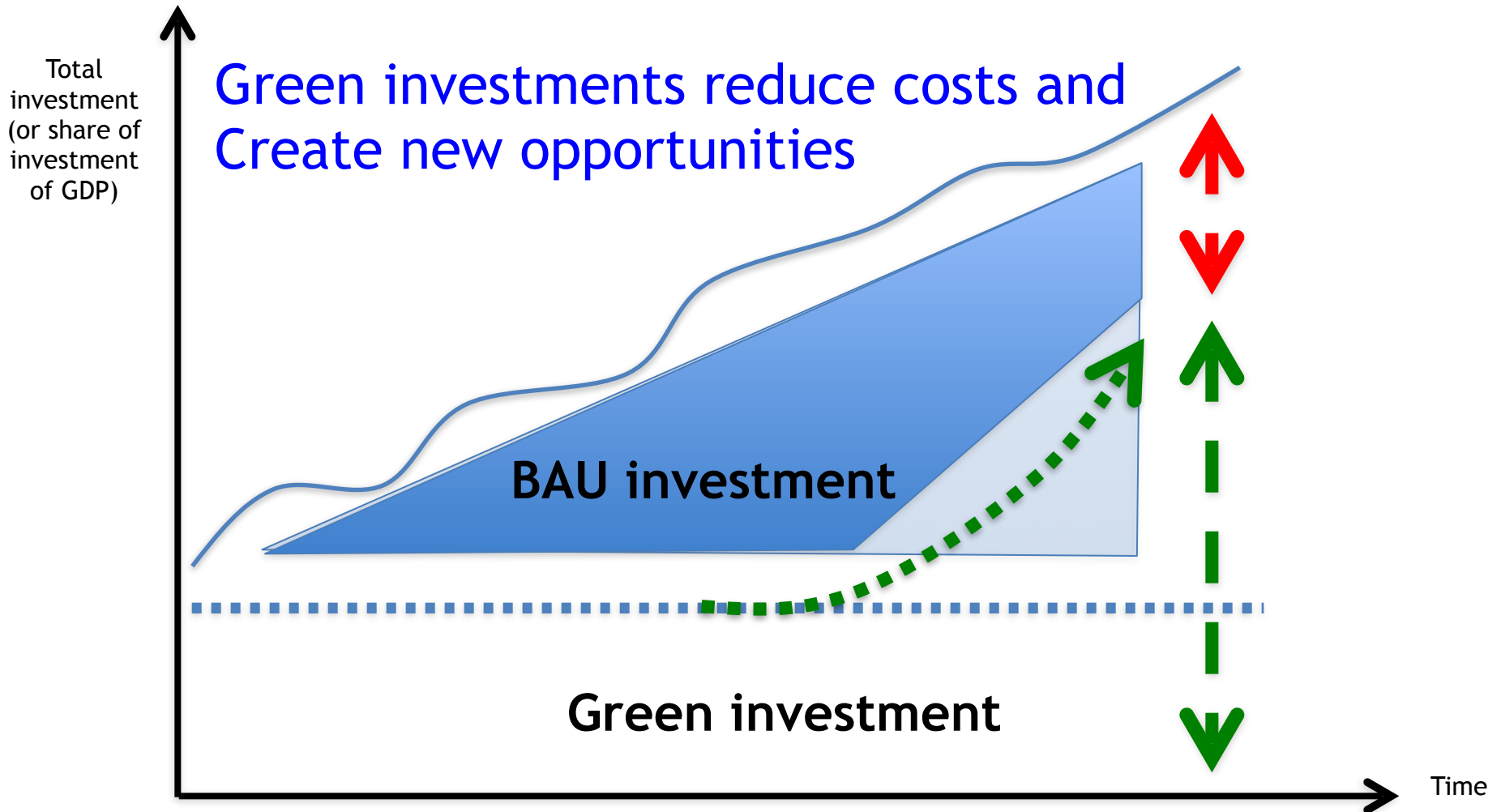
Rationale for a GE

What do we learn from other countries?



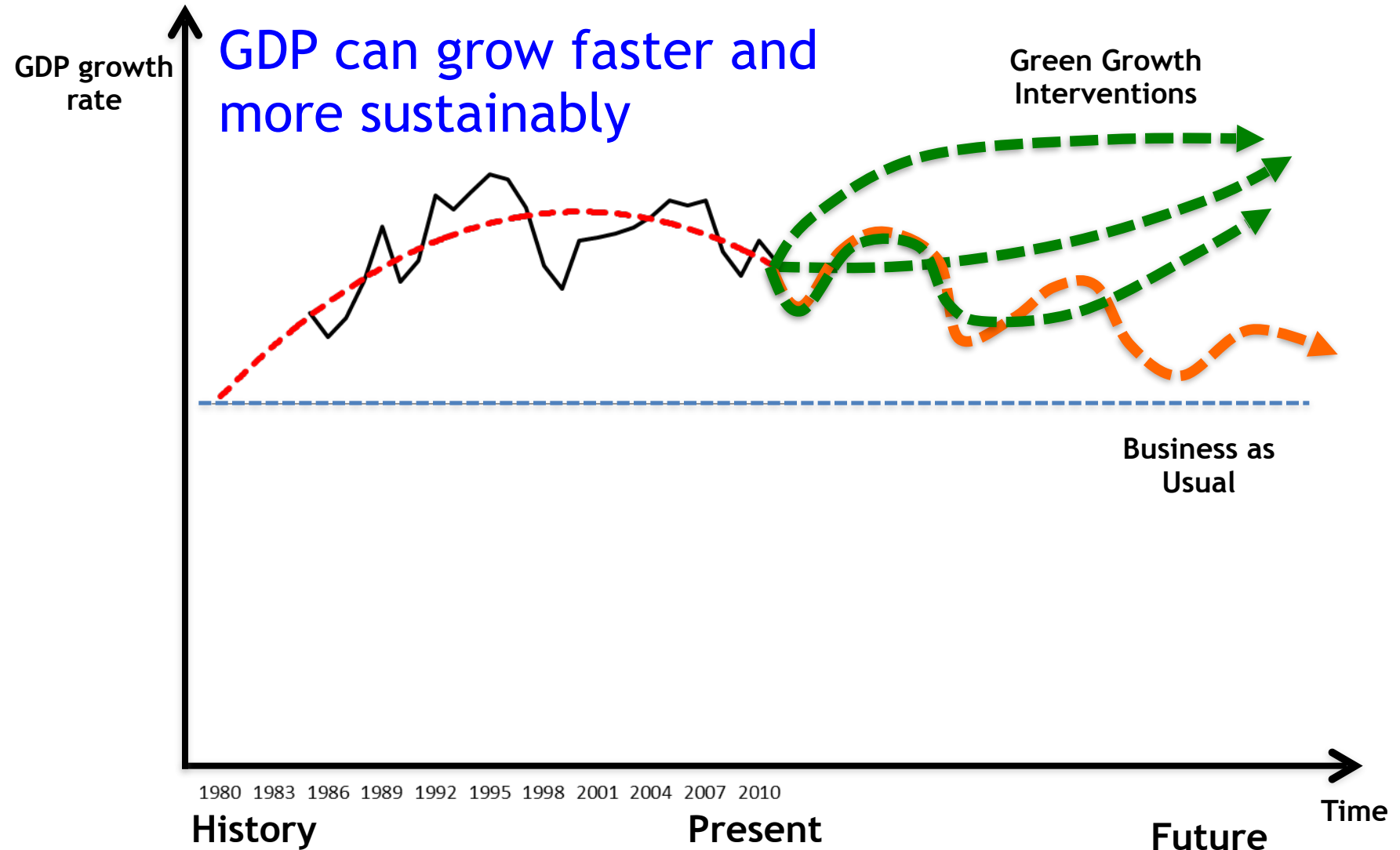
Rationale for a GE

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Rationale for a GE

What do we learn from other countries?

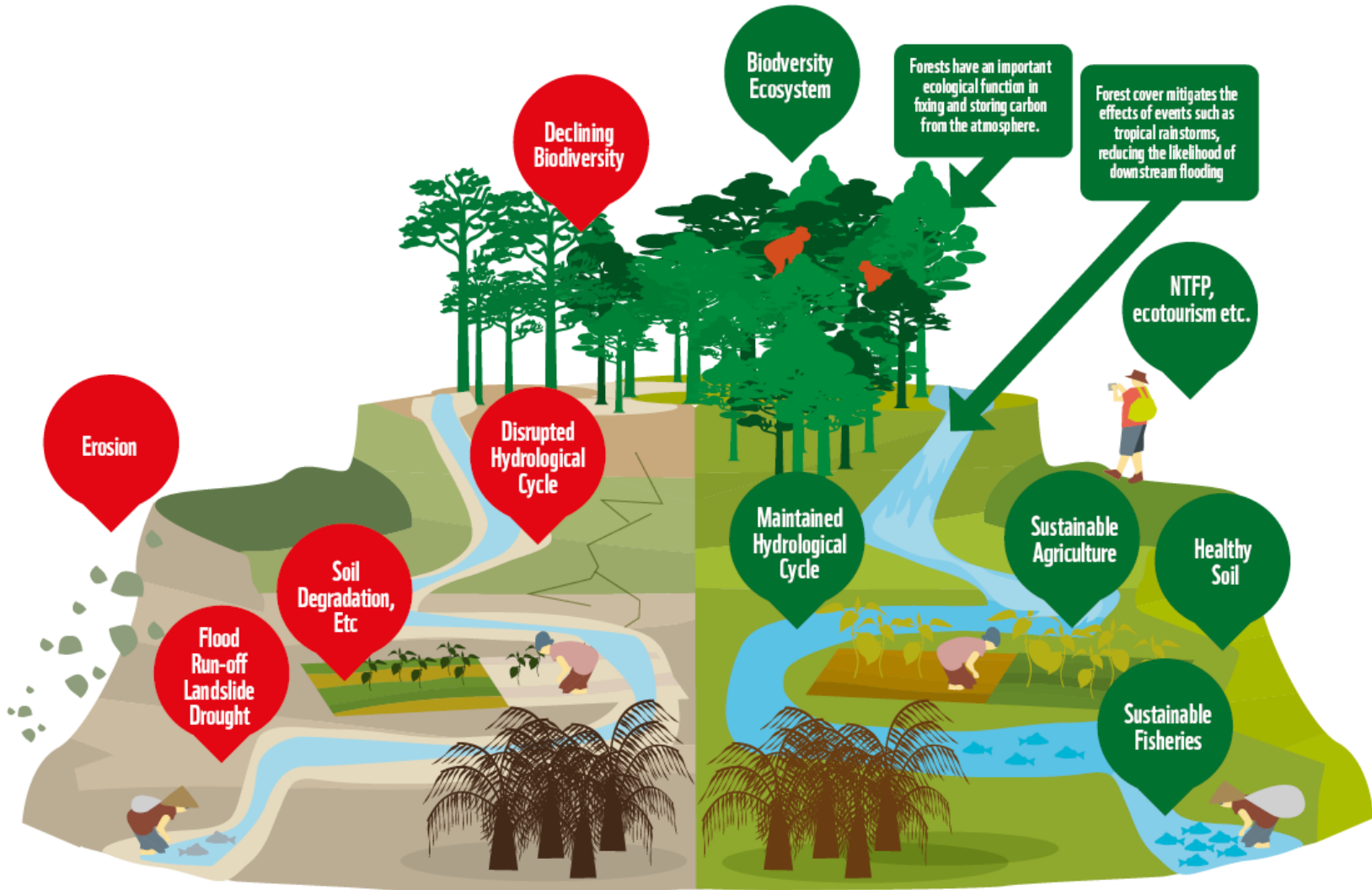


Rationale for a GE

What do we learn from other countries?

CLIMATE CHANGE IN AN ECONOMY THAT
UNDERVALUES NATURAL CAPITAL

CLIMATE CHANGE IN AN ECONOMY THAT FULLY
VALUES NATURAL CAPITAL



Measuring the GE: indicators

A quest for multiple dividends: what is the role of forests?



Example of the multiple benefits generated by green economy policy interventions. Several stakeholders may benefit from a single intervention, formulated, assessed, monitored and evaluated with a variety of indicators across sectors.

Measuring the GE: indicators

Green Growth Knowledge Platform (GGKP): harmonizing approaches

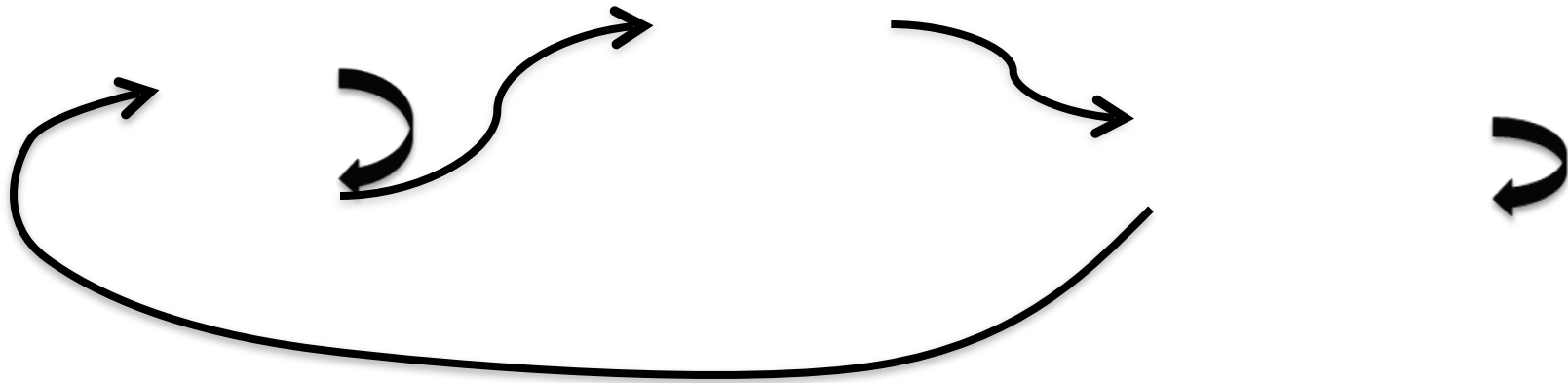
Outputs (material and non-material wellbeing)



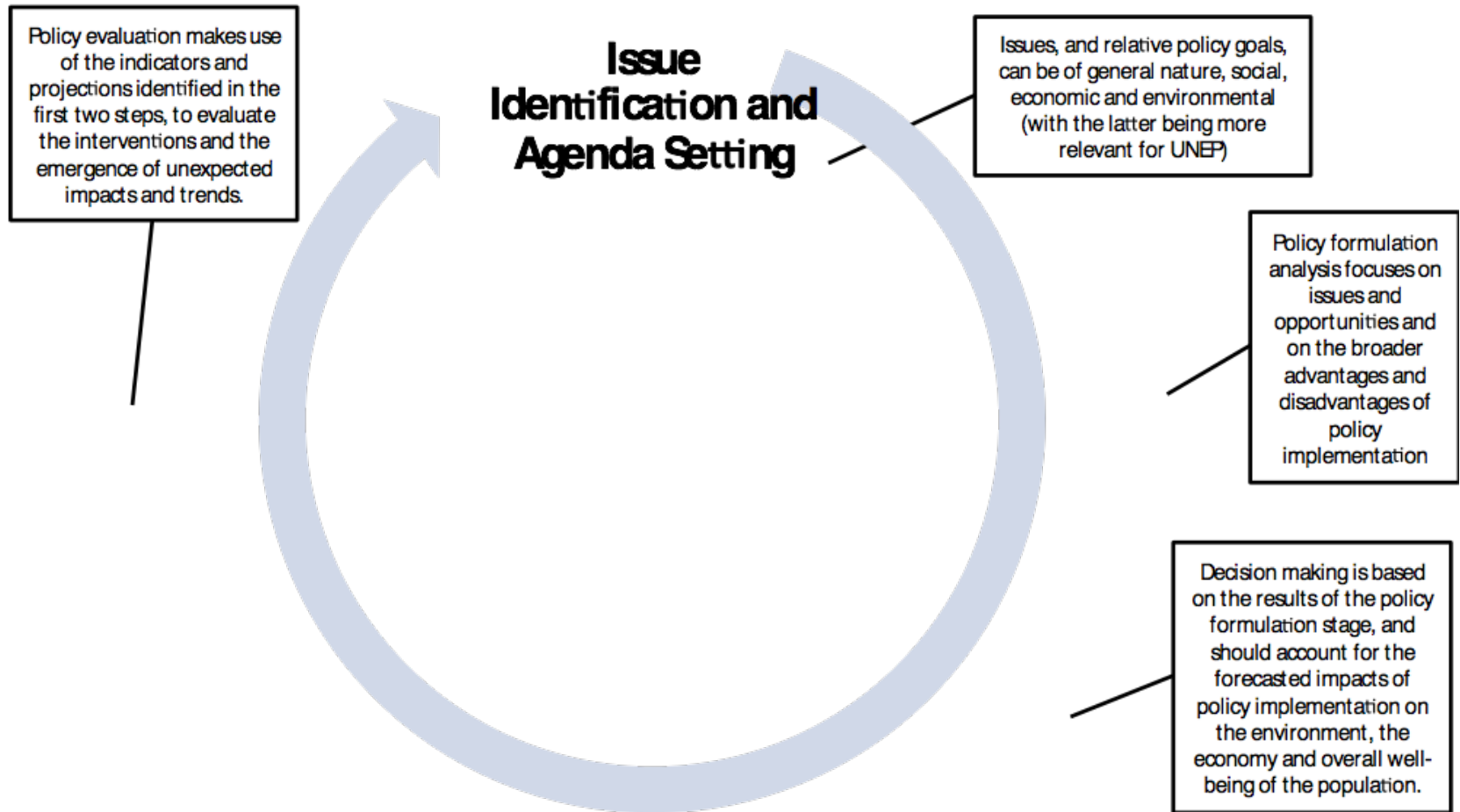
Measuring the GE: analysis

Policies

Science



Measuring the GE: policy cycle

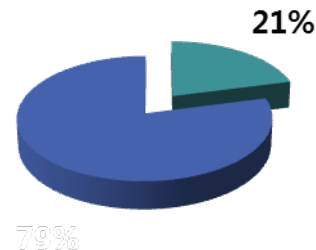


Measuring inclusiveness in GE

- A green economy must be **inclusive and pro-poor**
- Measuring it requires customized approaches
- Estimating localized impacts is crucial

TEEB (2010) indicates that Ecosystems must be conserved, not destroyed, to solve Poverty...

Ecosystem services as a % of classical GDP:



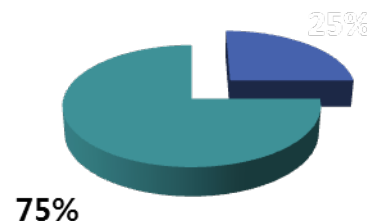
Indonesia

Ecosystem service-dependent poor people :

99 million

 Ecosystem services

Ecosystem services consumed by the poor as a % of “GDP of the poor” :



Source: Gundimeda and Sukhdev, *TEEB for National & International Policy*

GE Scenarios and Model Integration

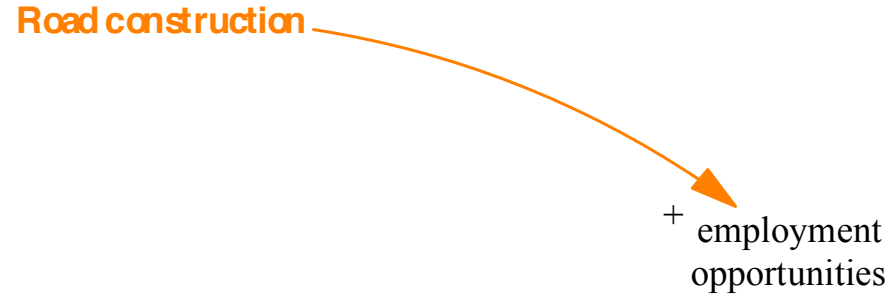


System mapping for the ‘Road to Dawei’

- What has been done for the pilot project of the “Road to Dawei”?
- How was it customized?
- How was the available knowledge captured and integrated in the model?
- What are the social, economic and environmental advantages and disadvantages of the various scenarios?



Integration of indicators along the policy cycle

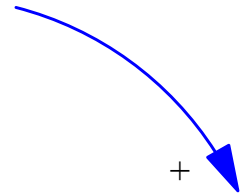


Integration of indicators along the policy cycle

Road construction

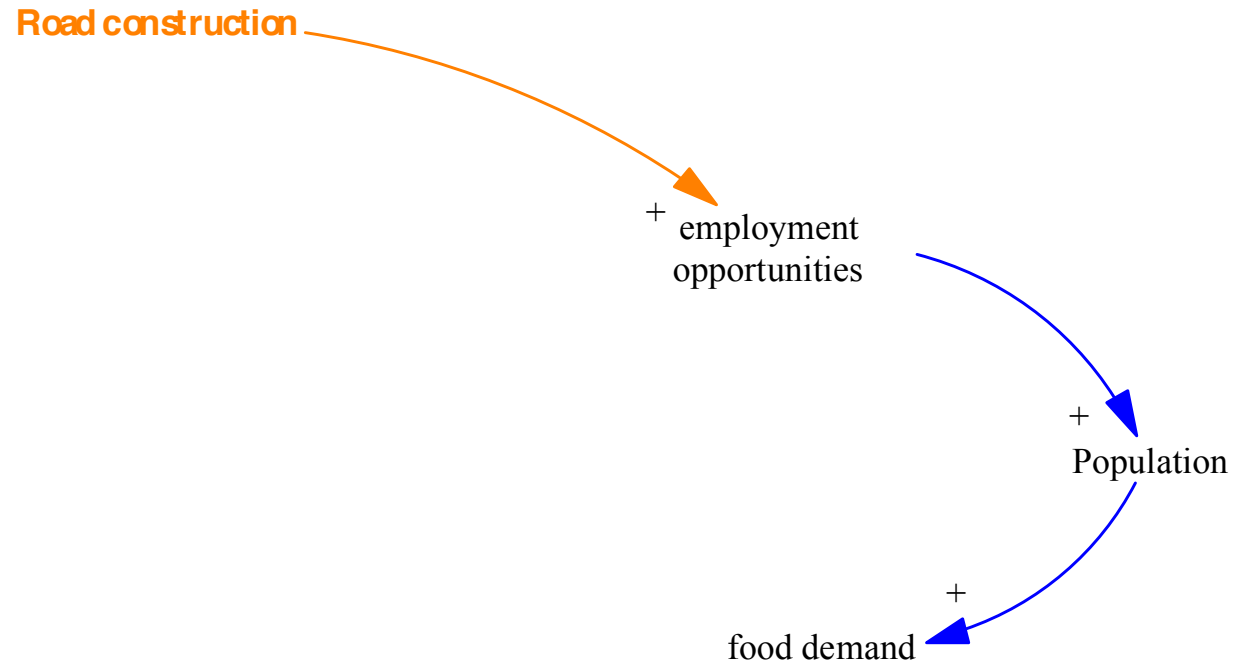


+ employment opportunities

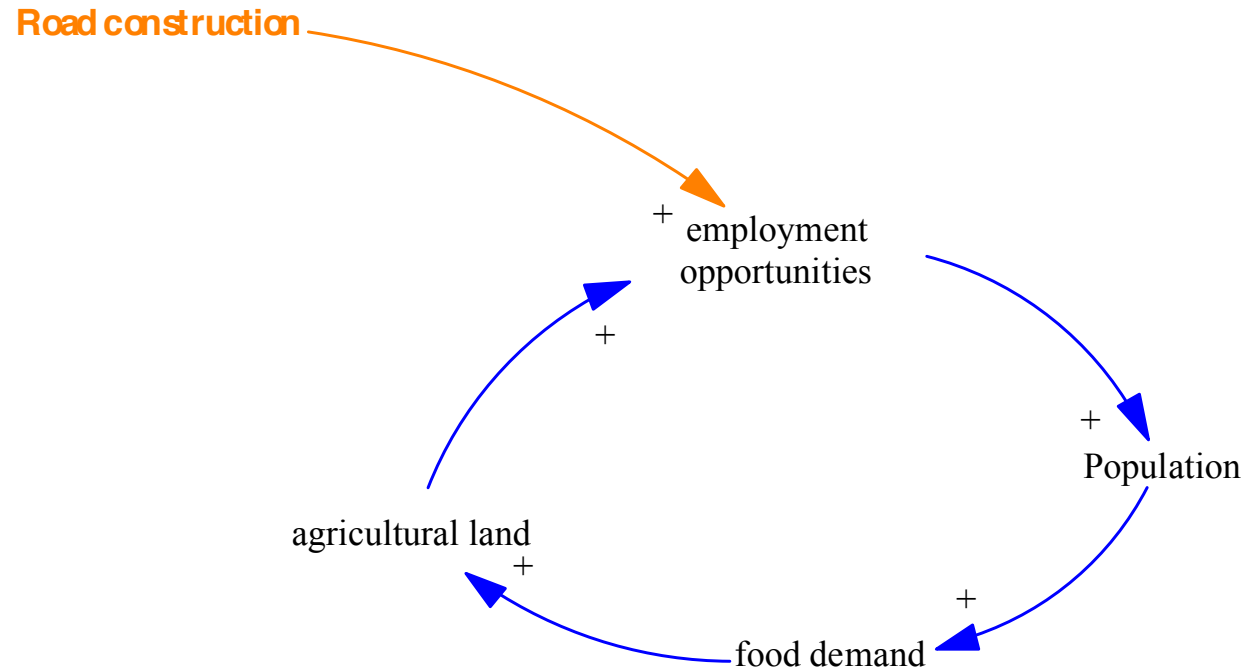


+ Population

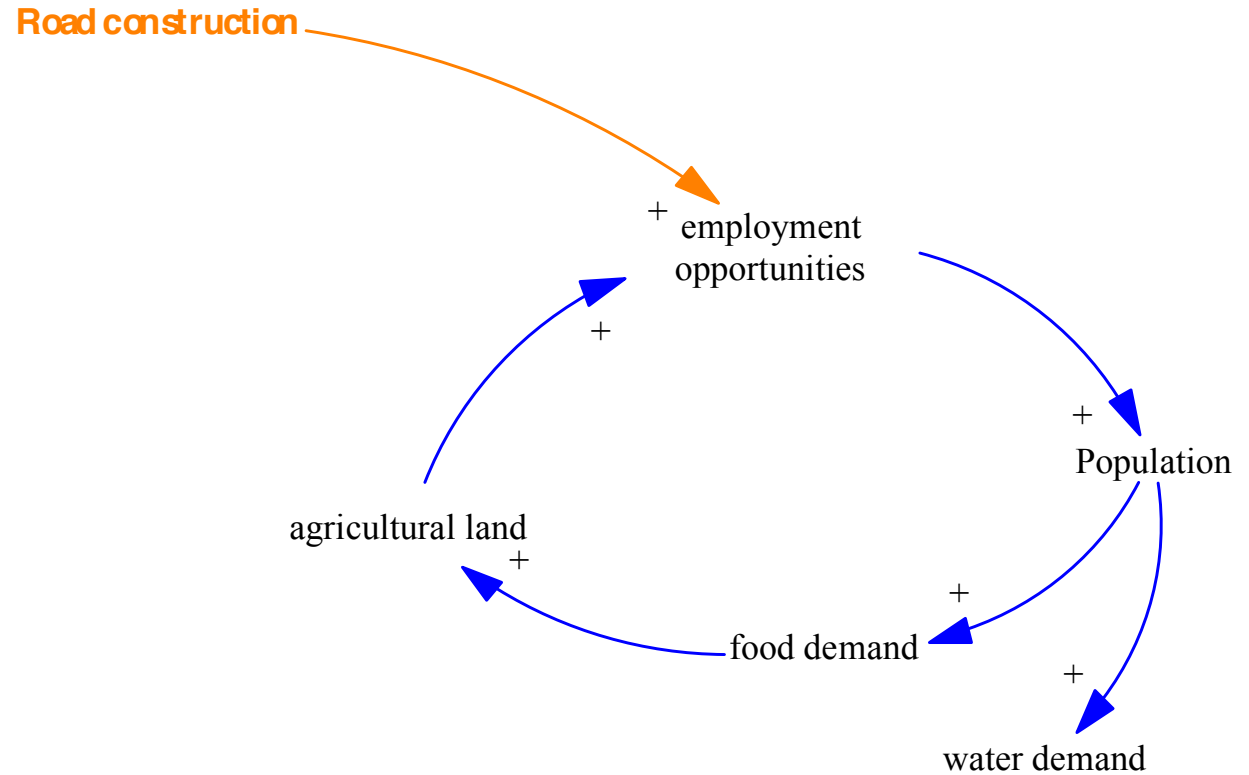
Integration of indicators along the policy cycle



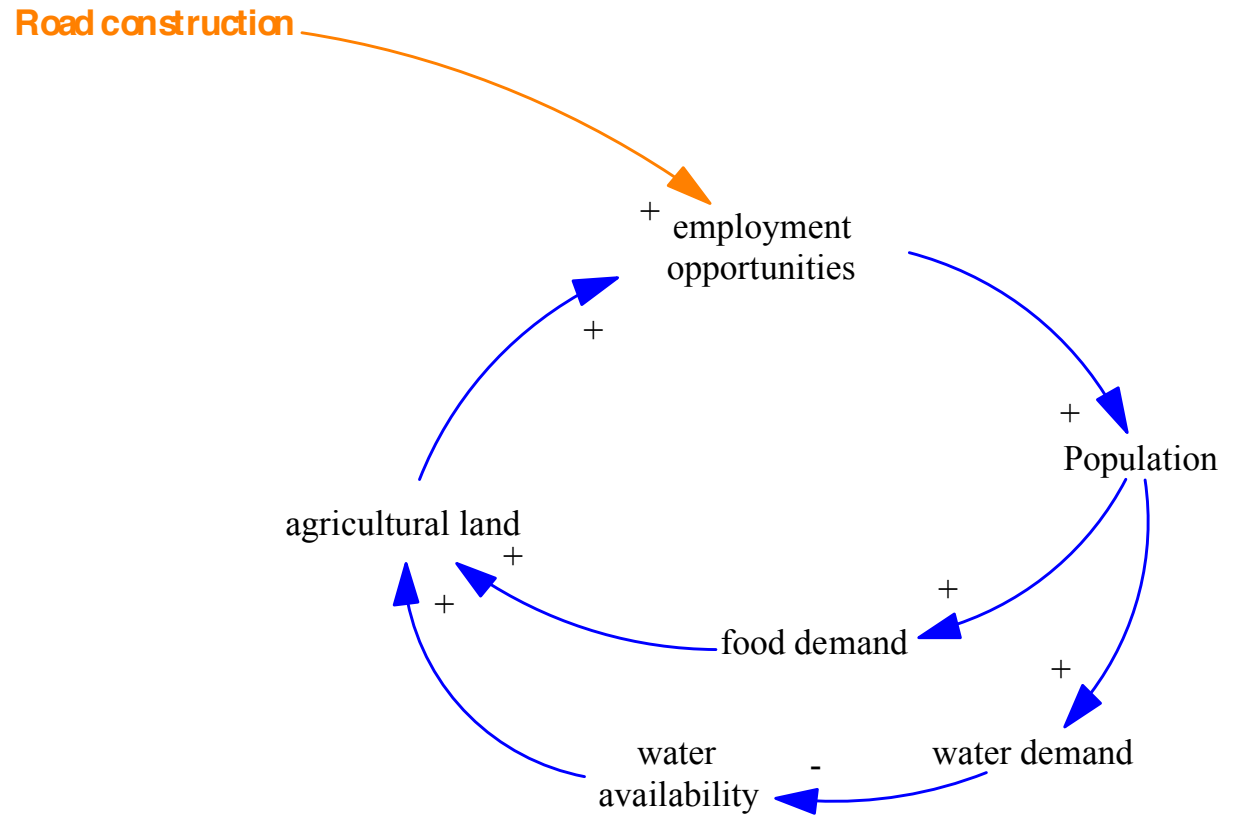
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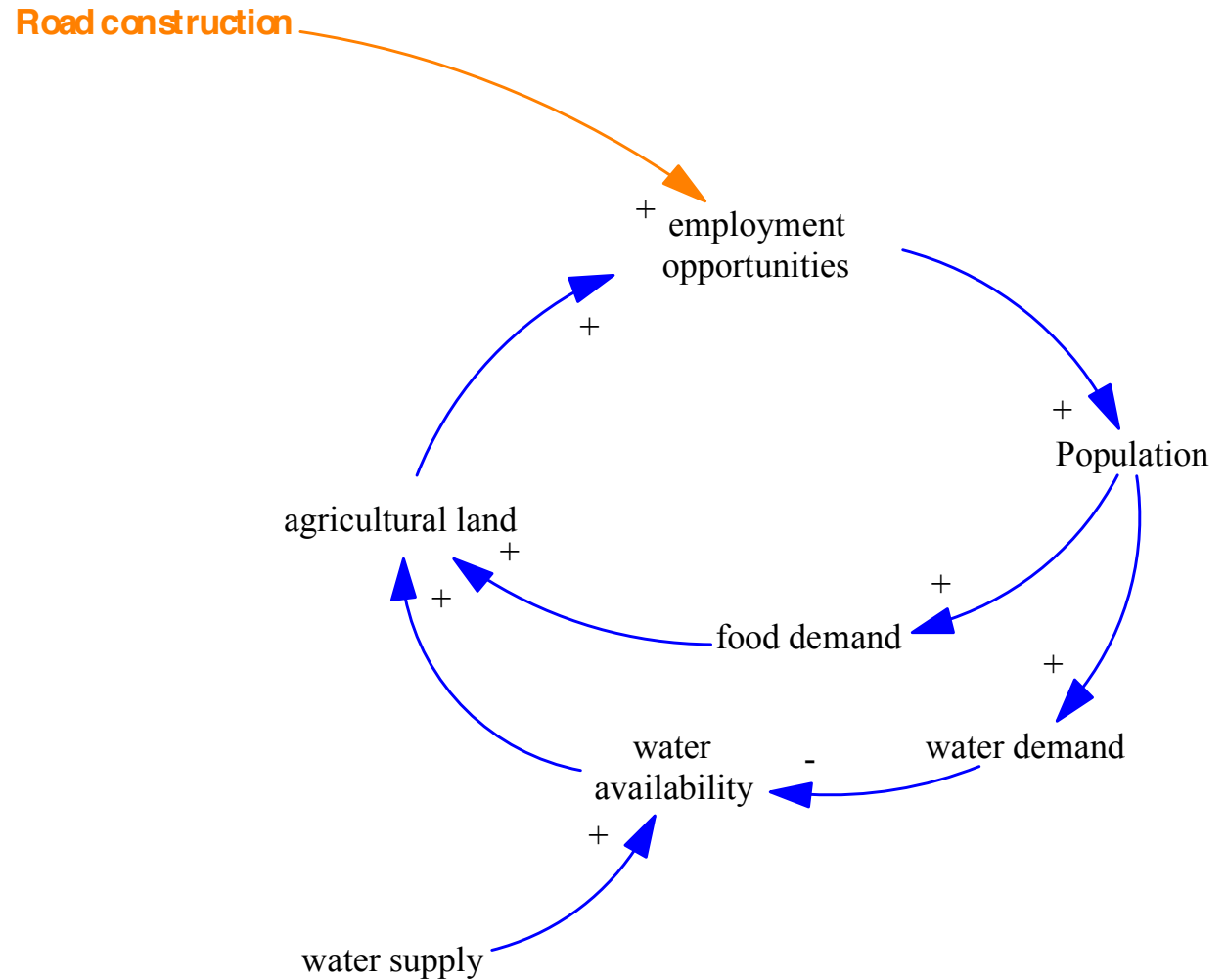
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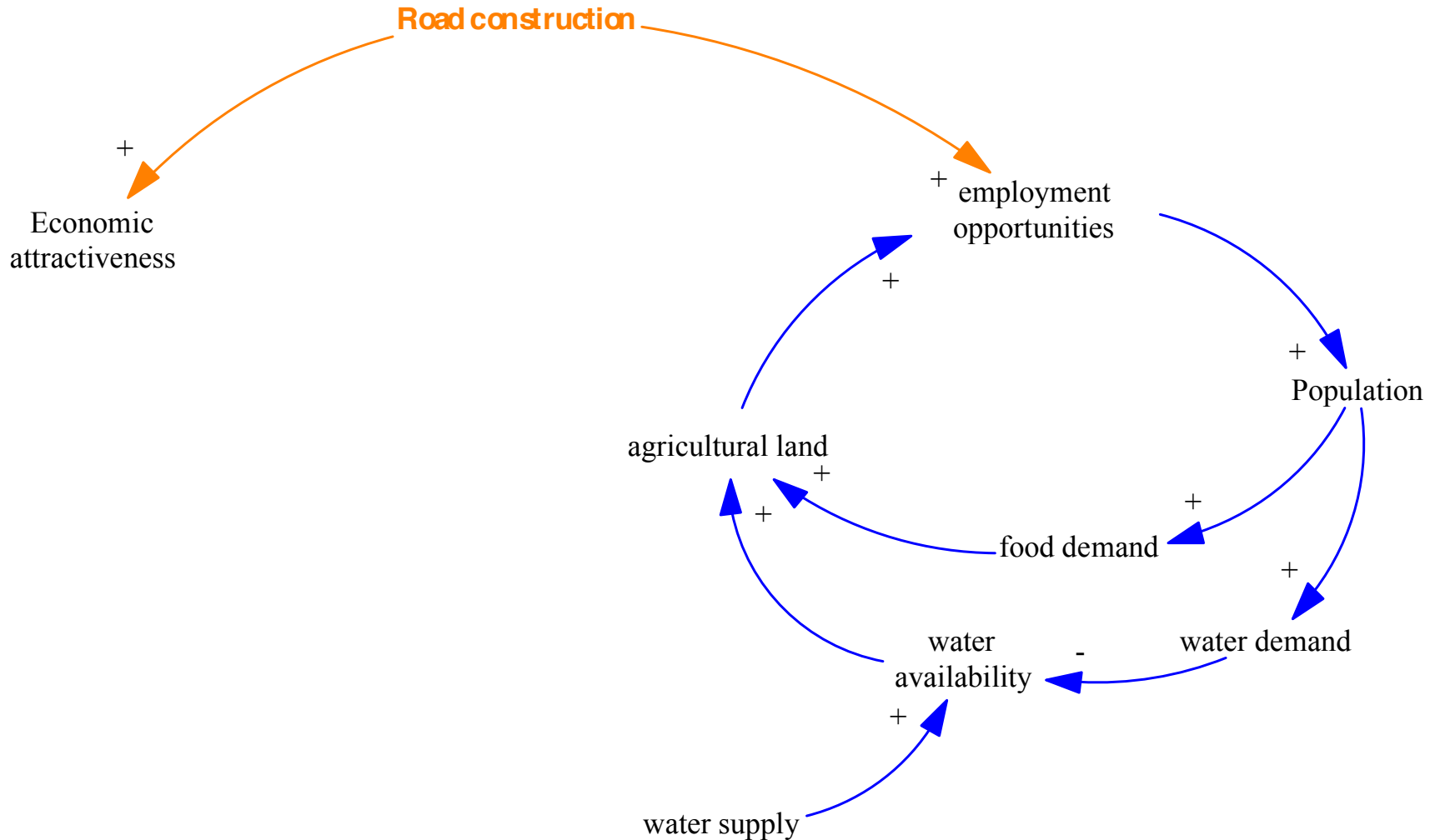
Integration of indicators along the policy cycle



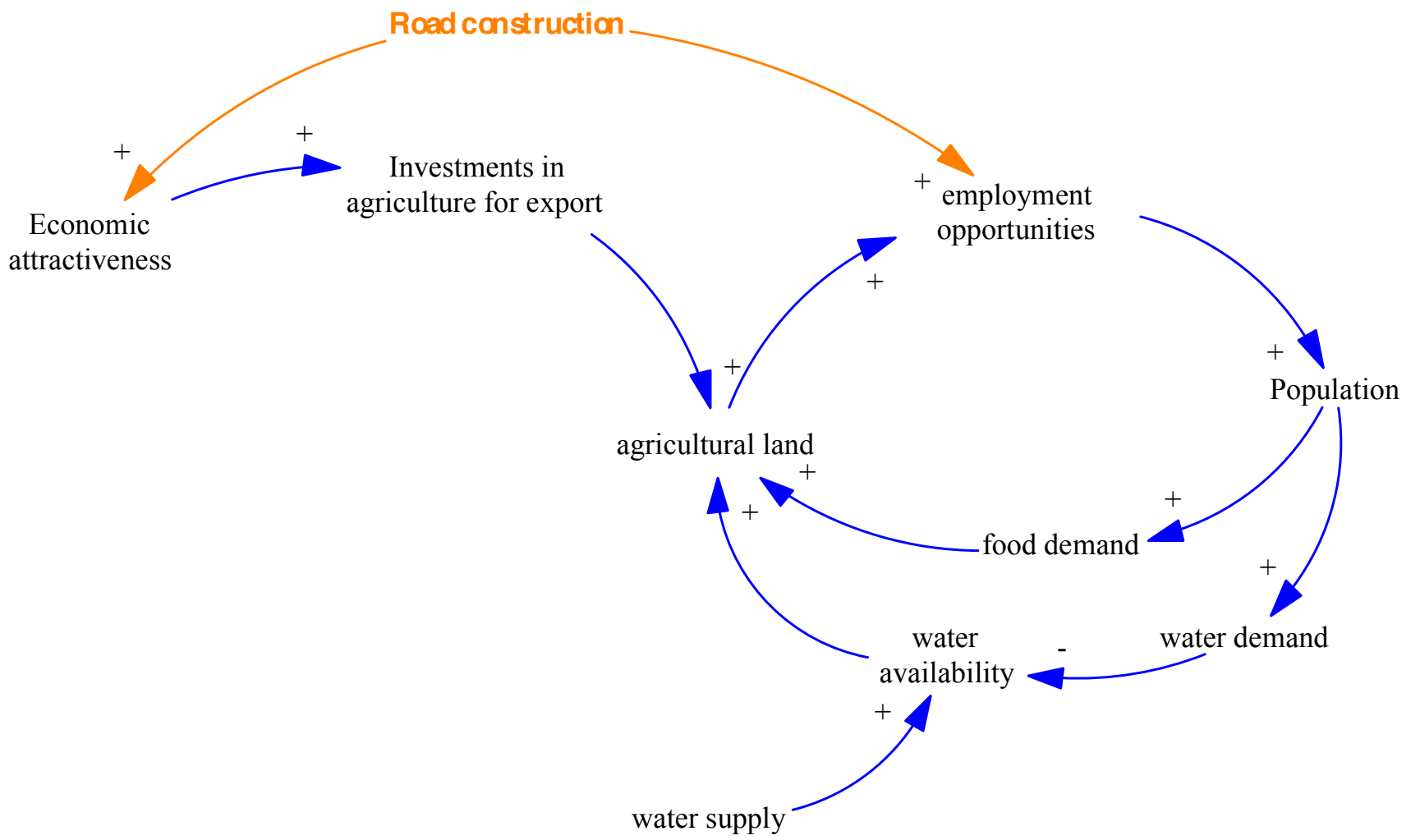
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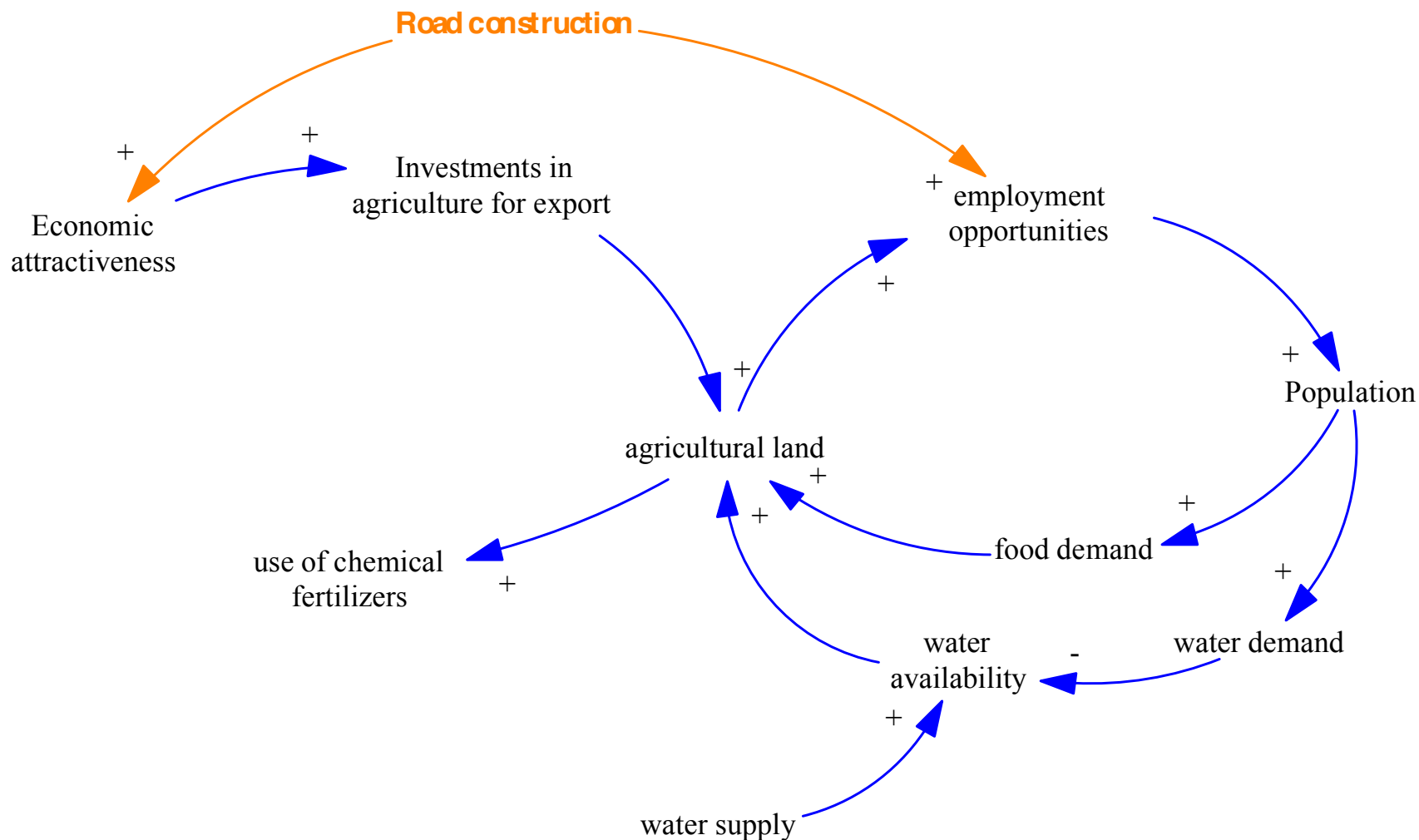
Integration of indicators along the policy cycle



Integration of indicators along the policy cycle

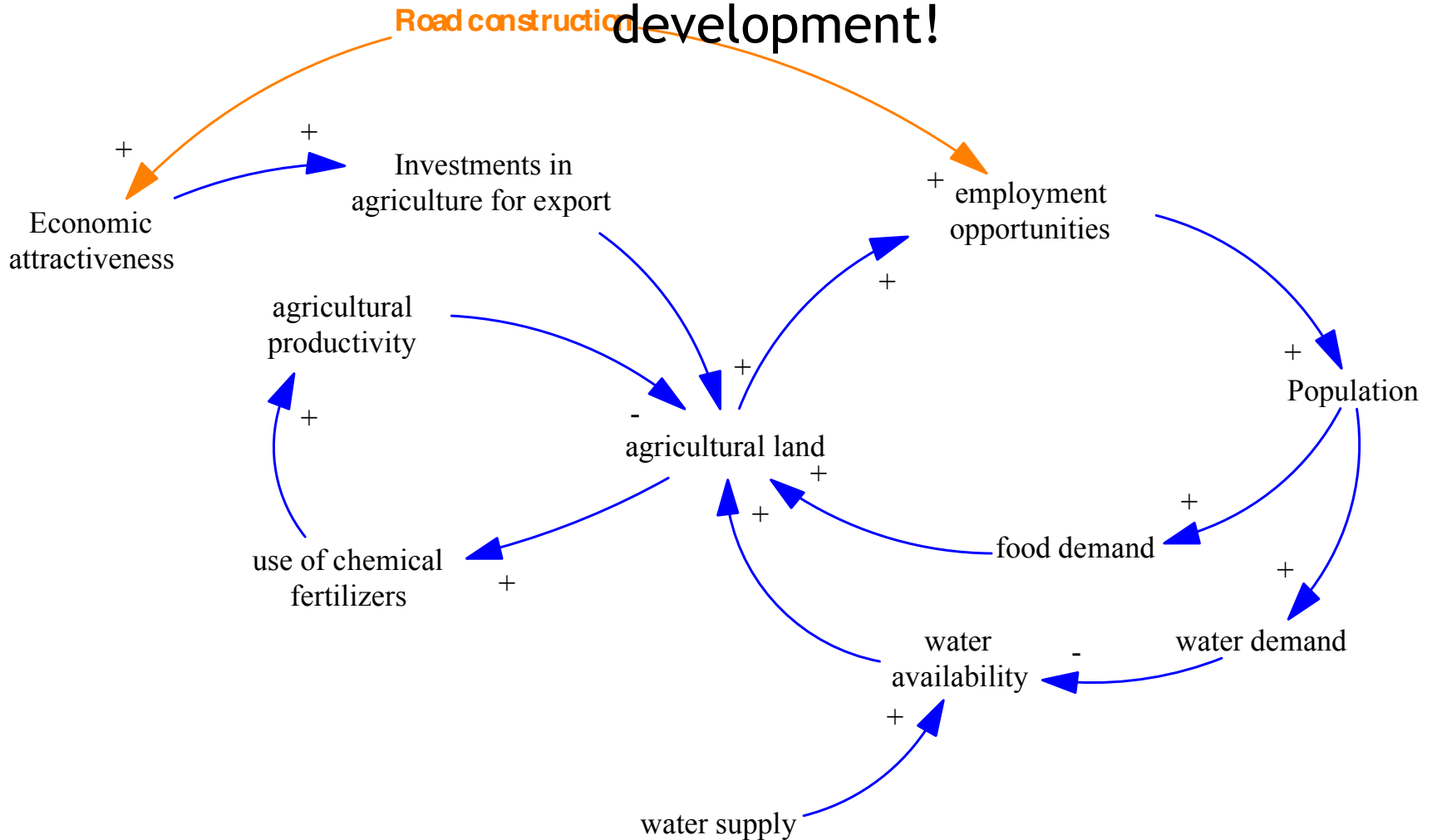


Integration of indicators along the policy cycle

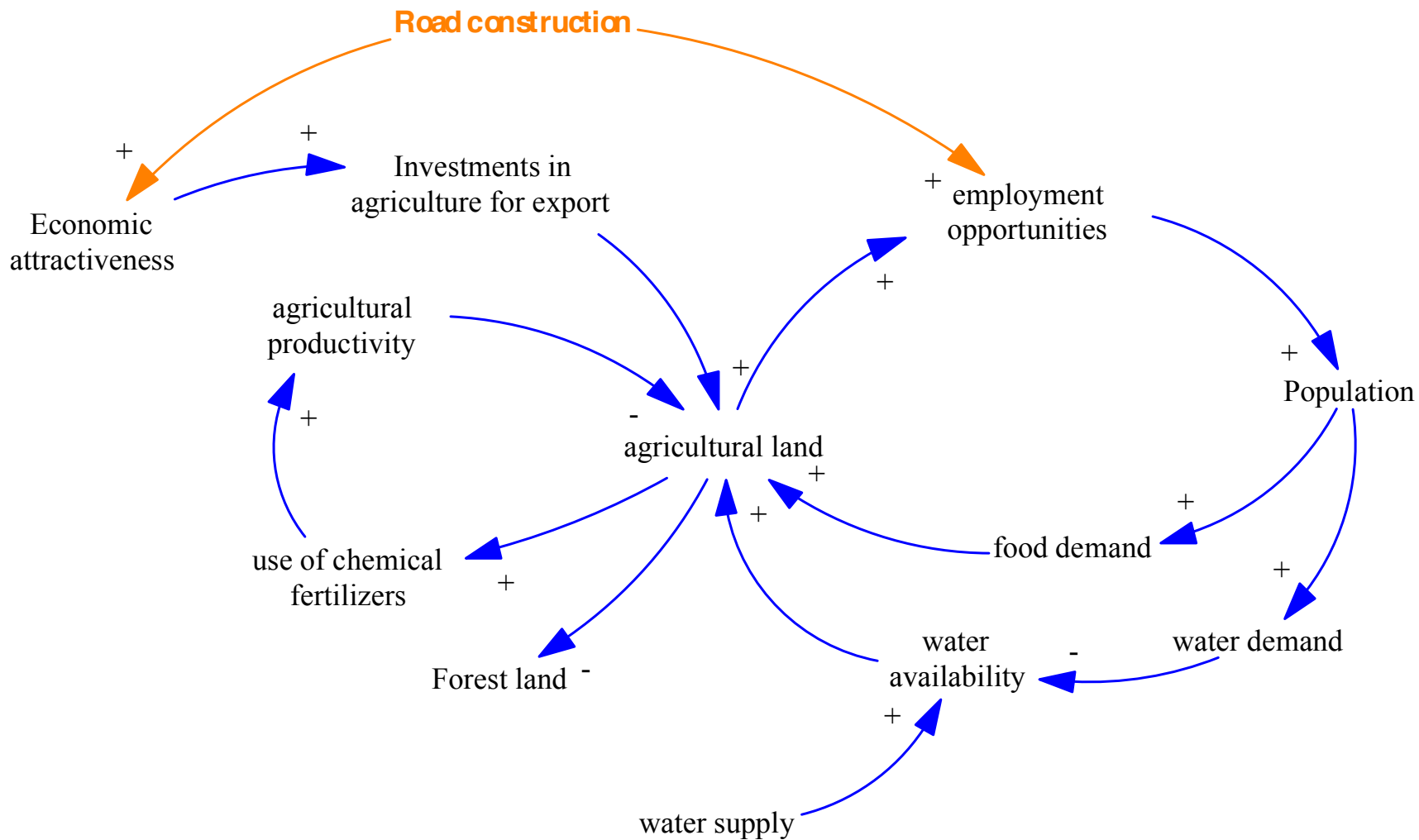


Integration of indicators along the policy cycle

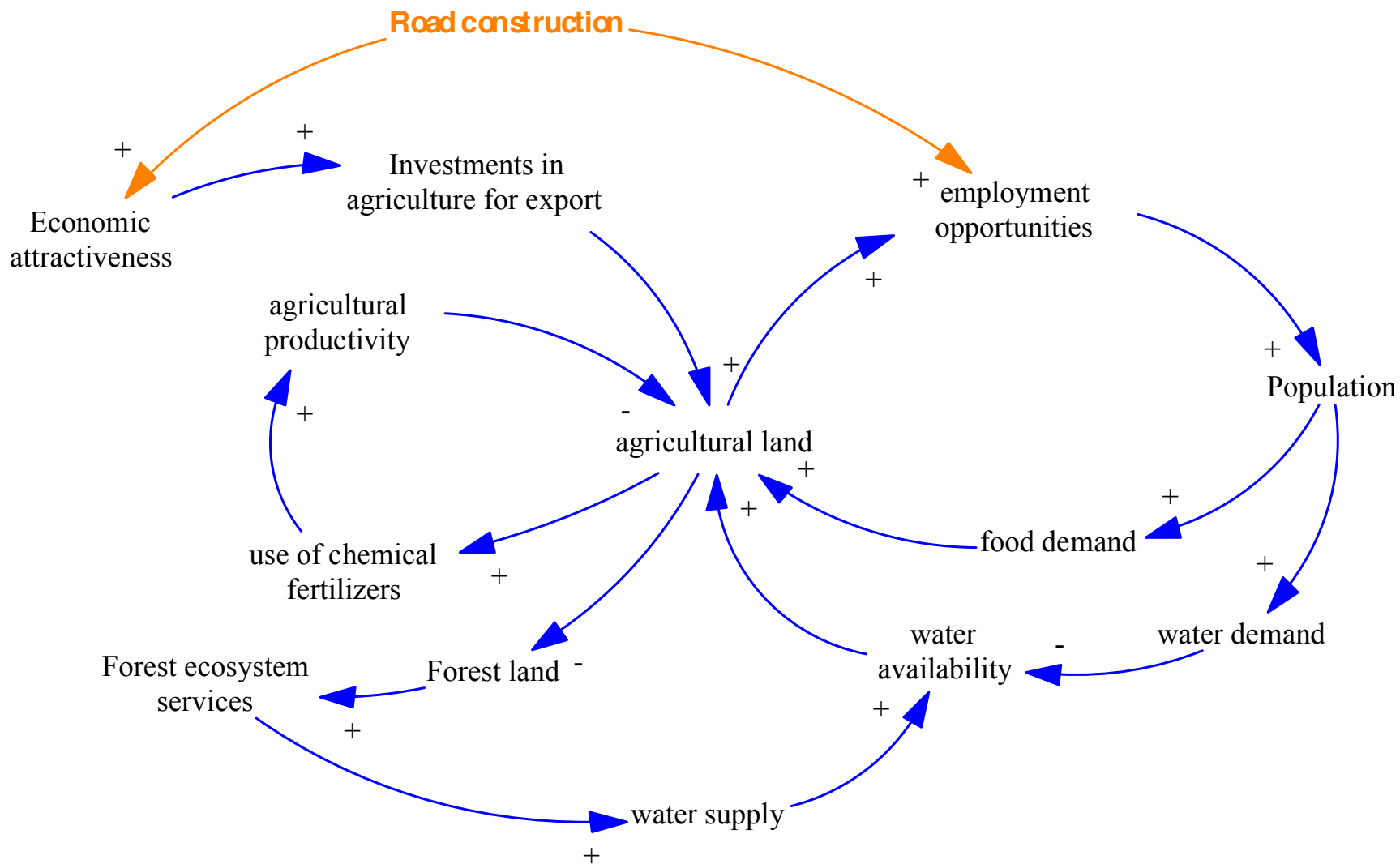
This project supports economic growth and sustainable development!



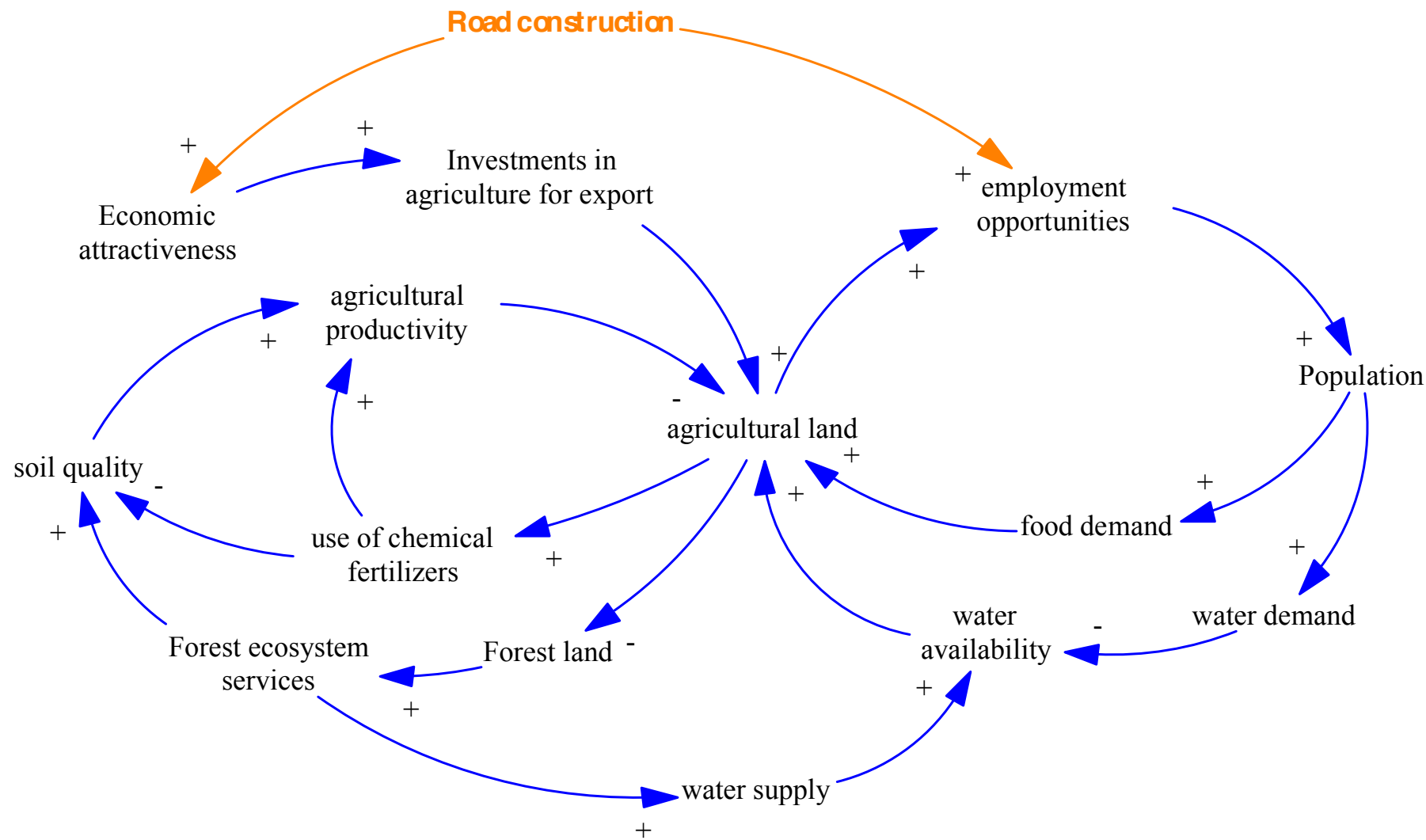
Integration of indicators along the policy cycle



Integration of indicators along the policy cycle

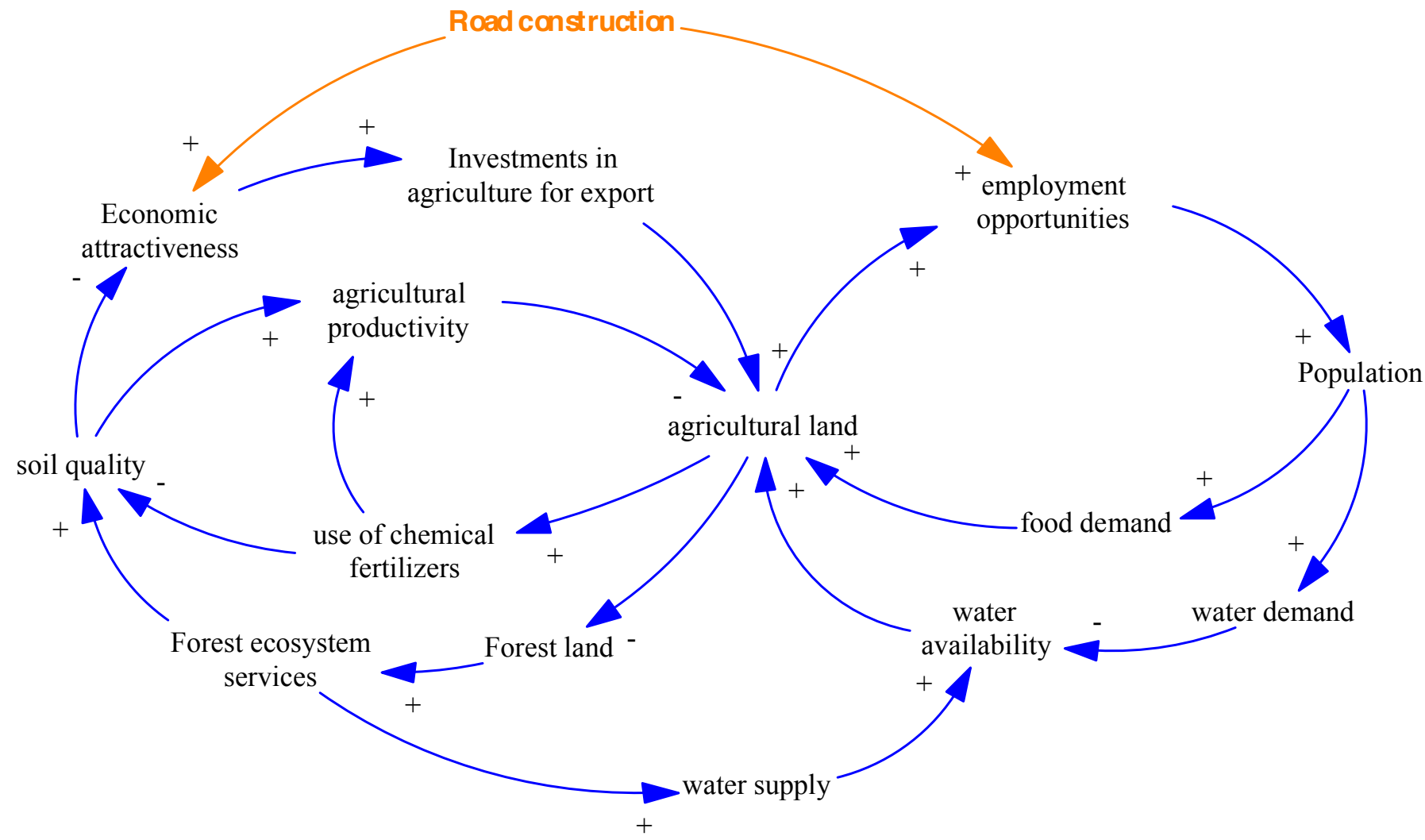


Integration of indicators along the policy cycle



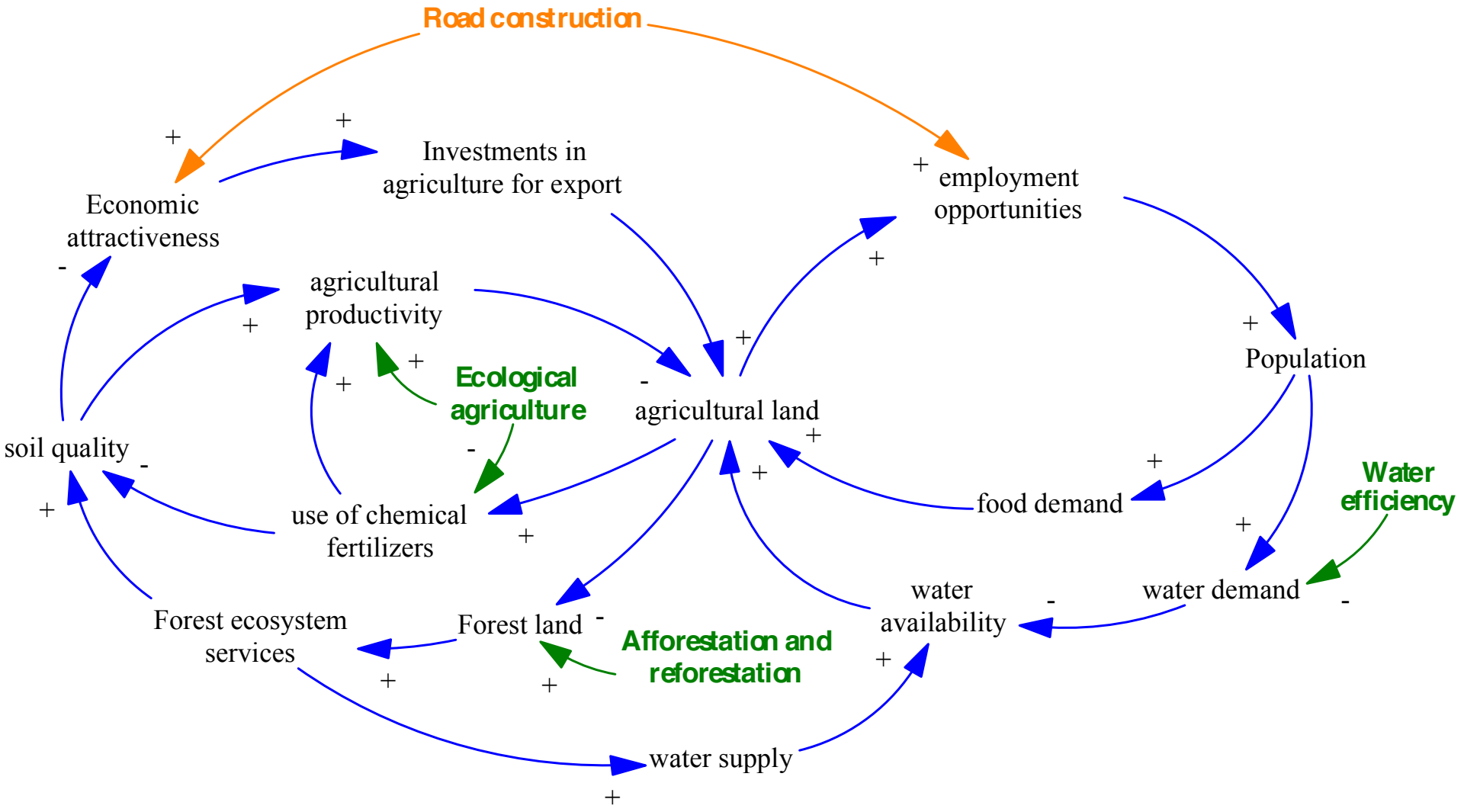
Integration of indicators along the policy cycle

Our project creates more problems!

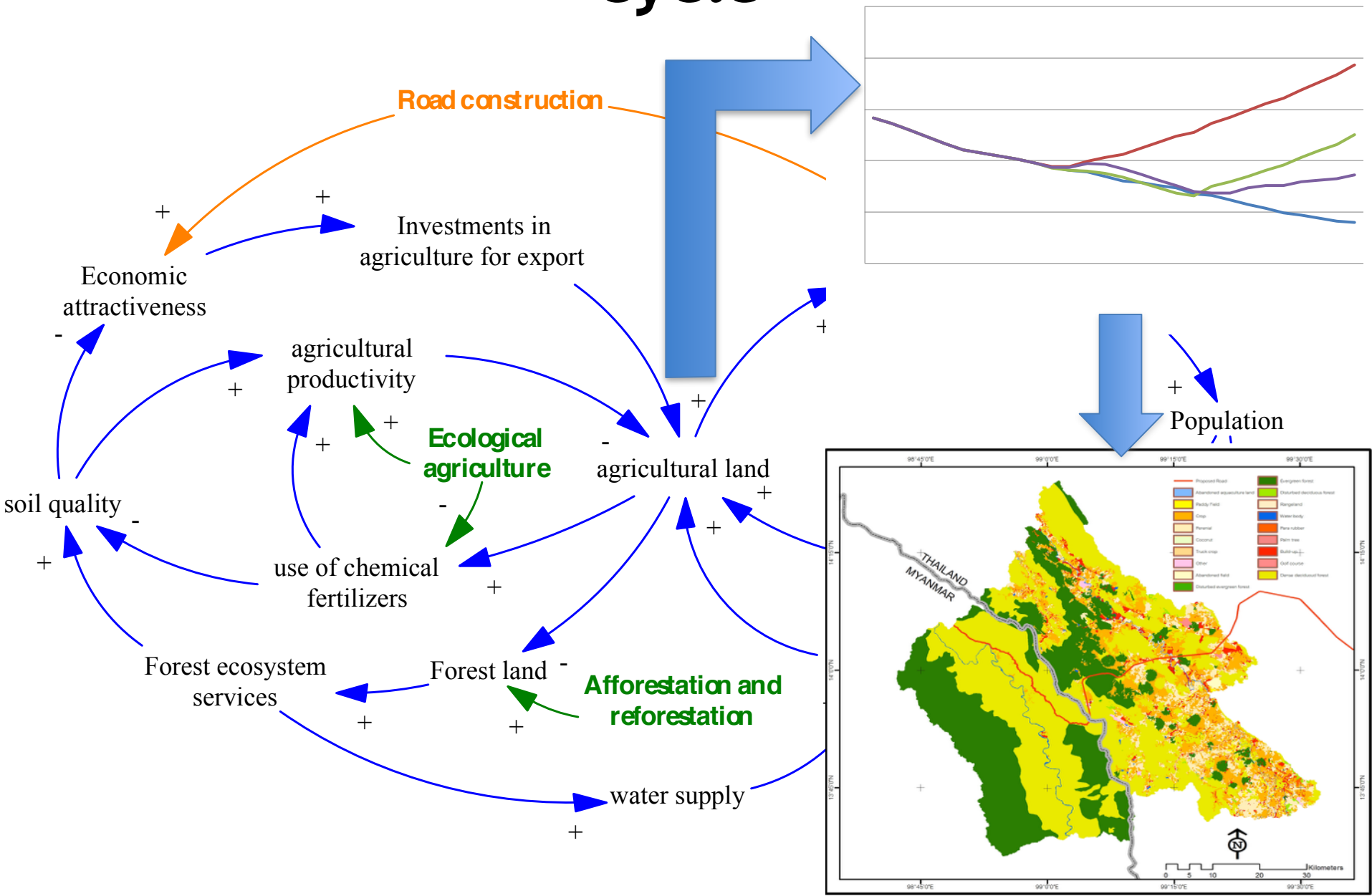


Strategy Formulation

But systemic solutions can be found



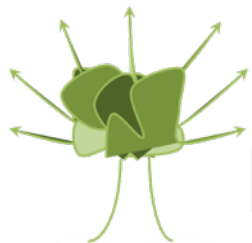
Integration of indicators along the policy cycle



Thank you!

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can reach me at:

andrea.bassi@ke-srl.com



KnowlEdge Srl

