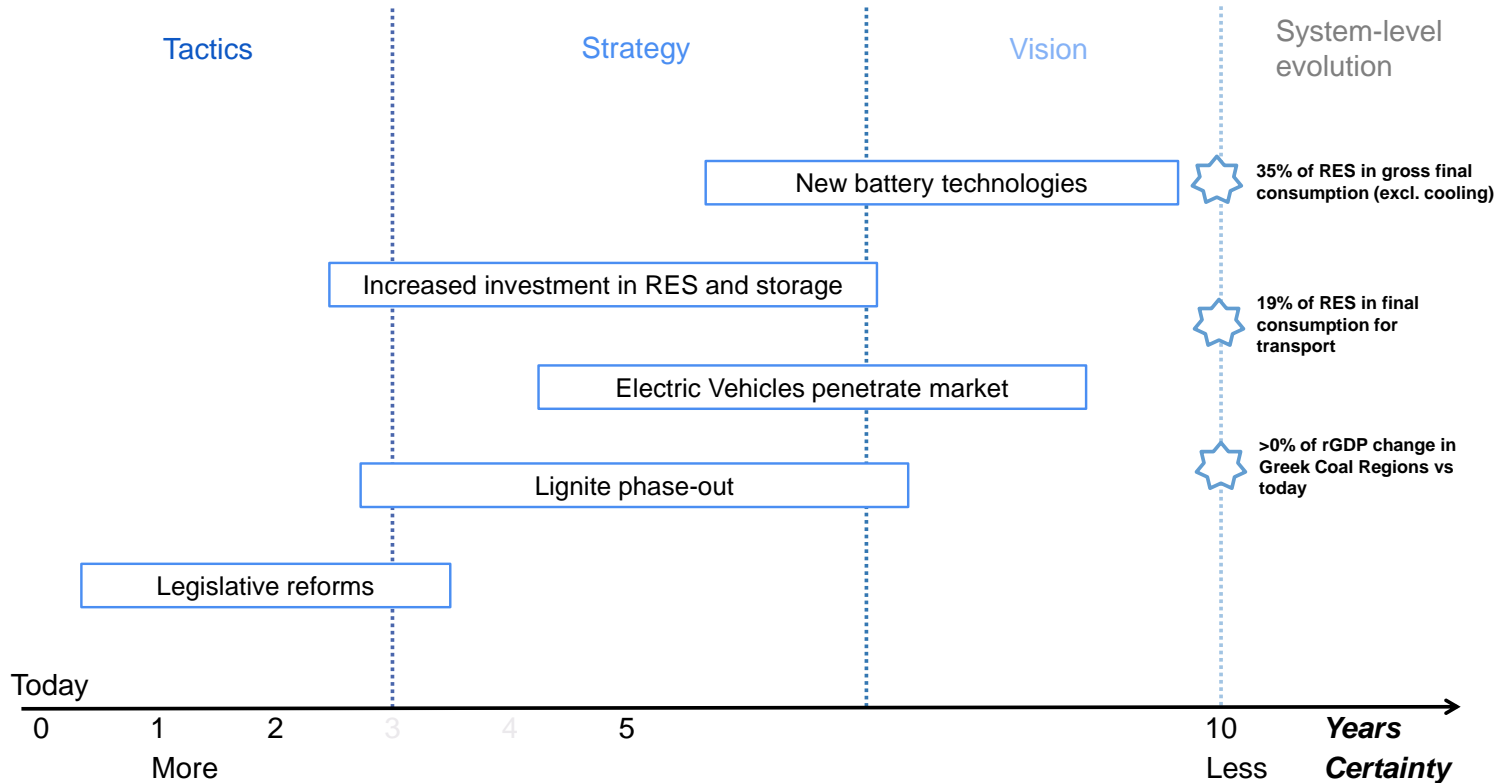

POINT Review Greece: **RES, Batteries & Applications** *Highlights*

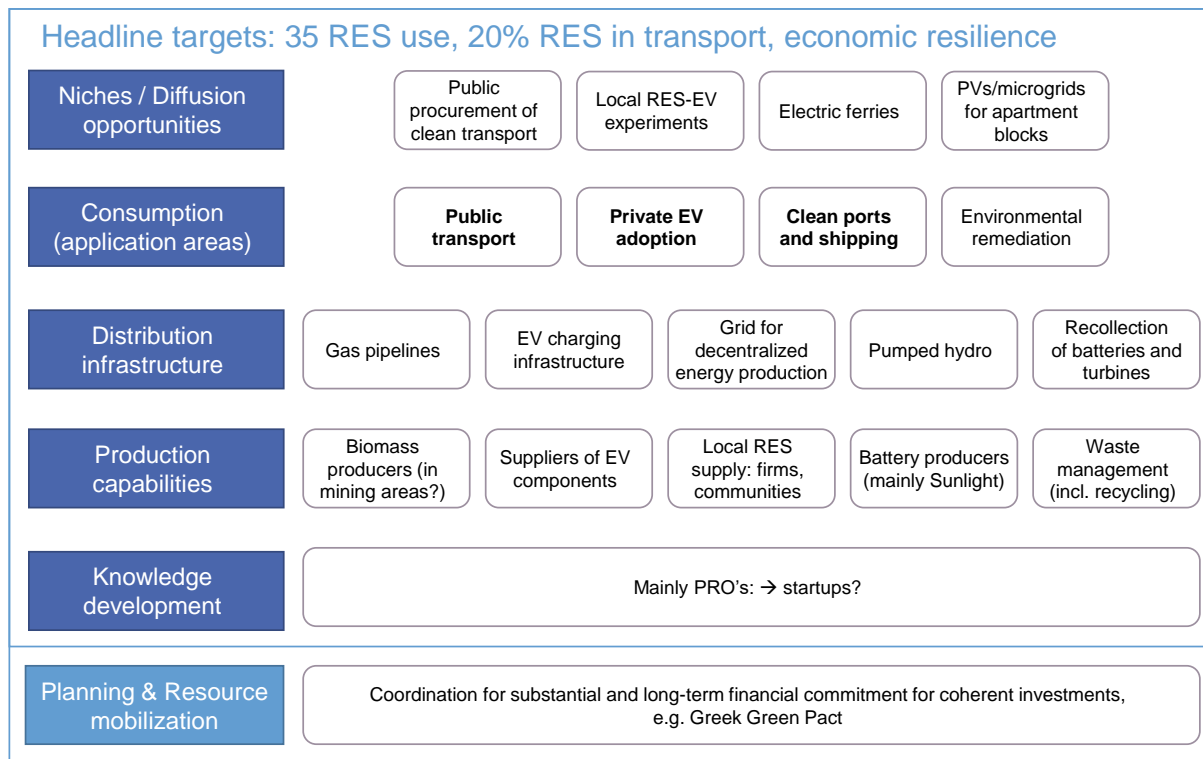
Matthijs Janssen (Utrecht University, NL)
Joint work with Yannis Toliaas (Innovatia Systems, GR)

October 22nd, 2020

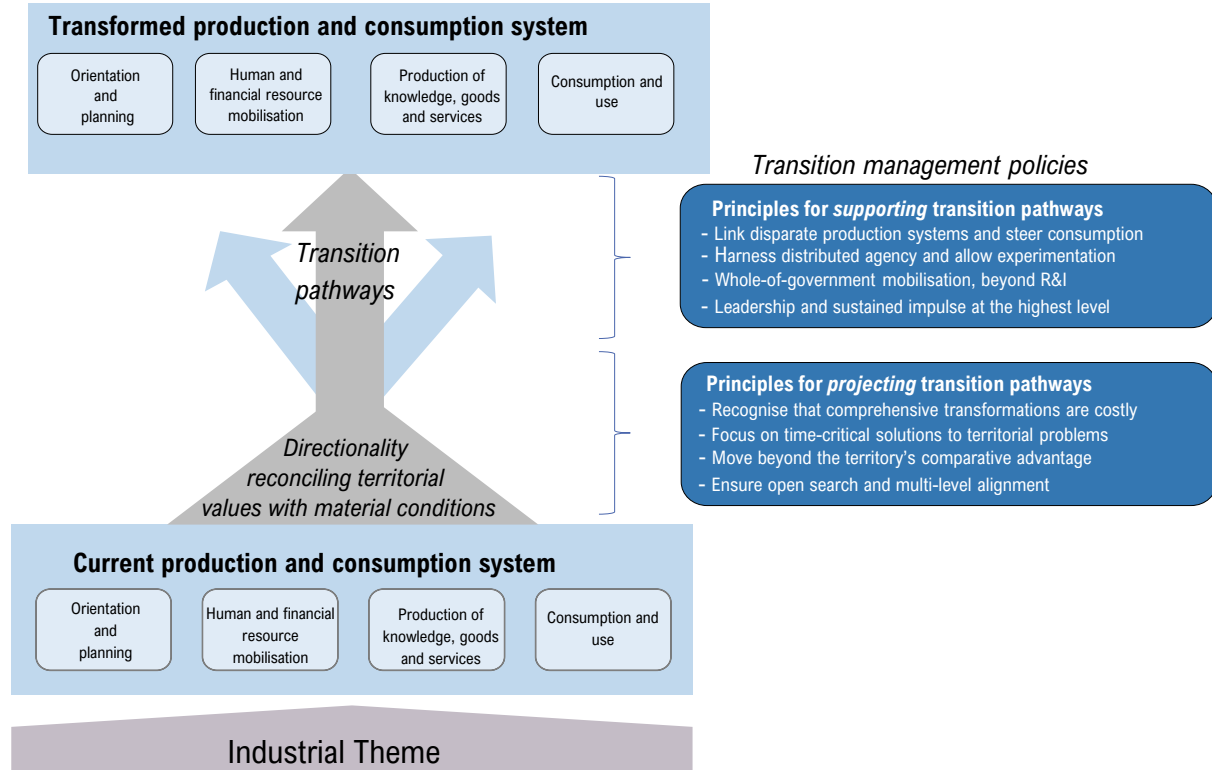
Industrial transition targets



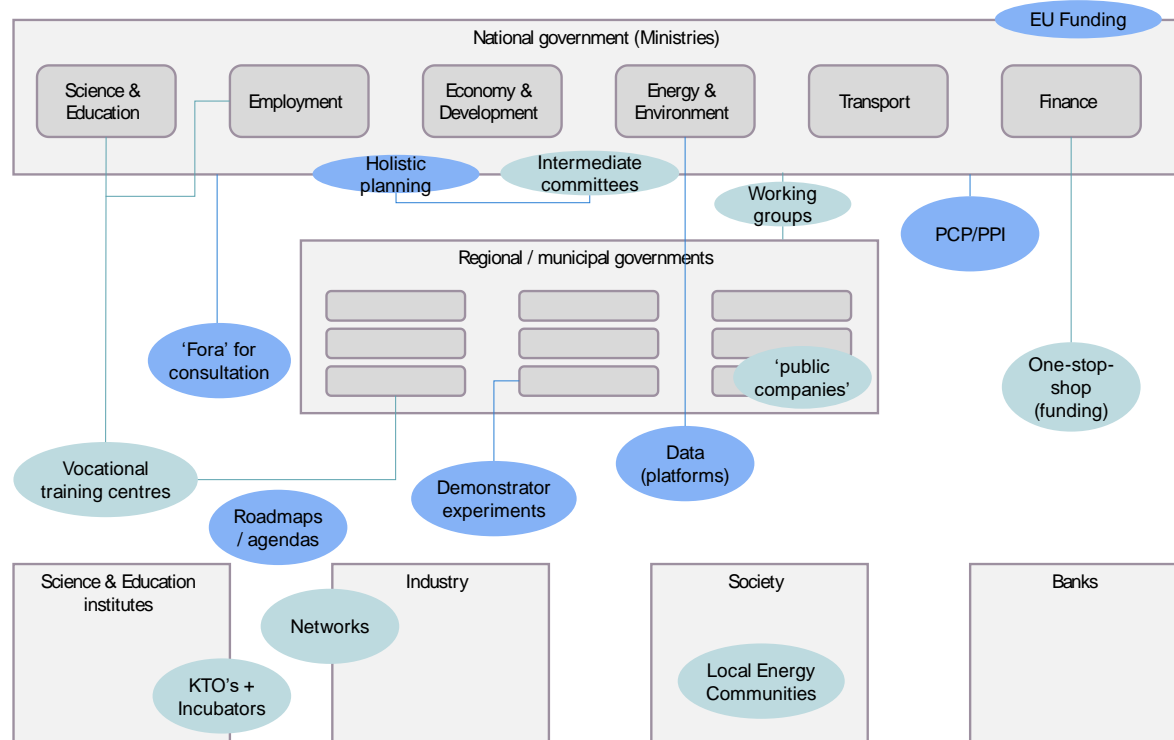
Industrial transition 'ingredients'



Industrial transition approach



System-strengthening: Structures and Policies

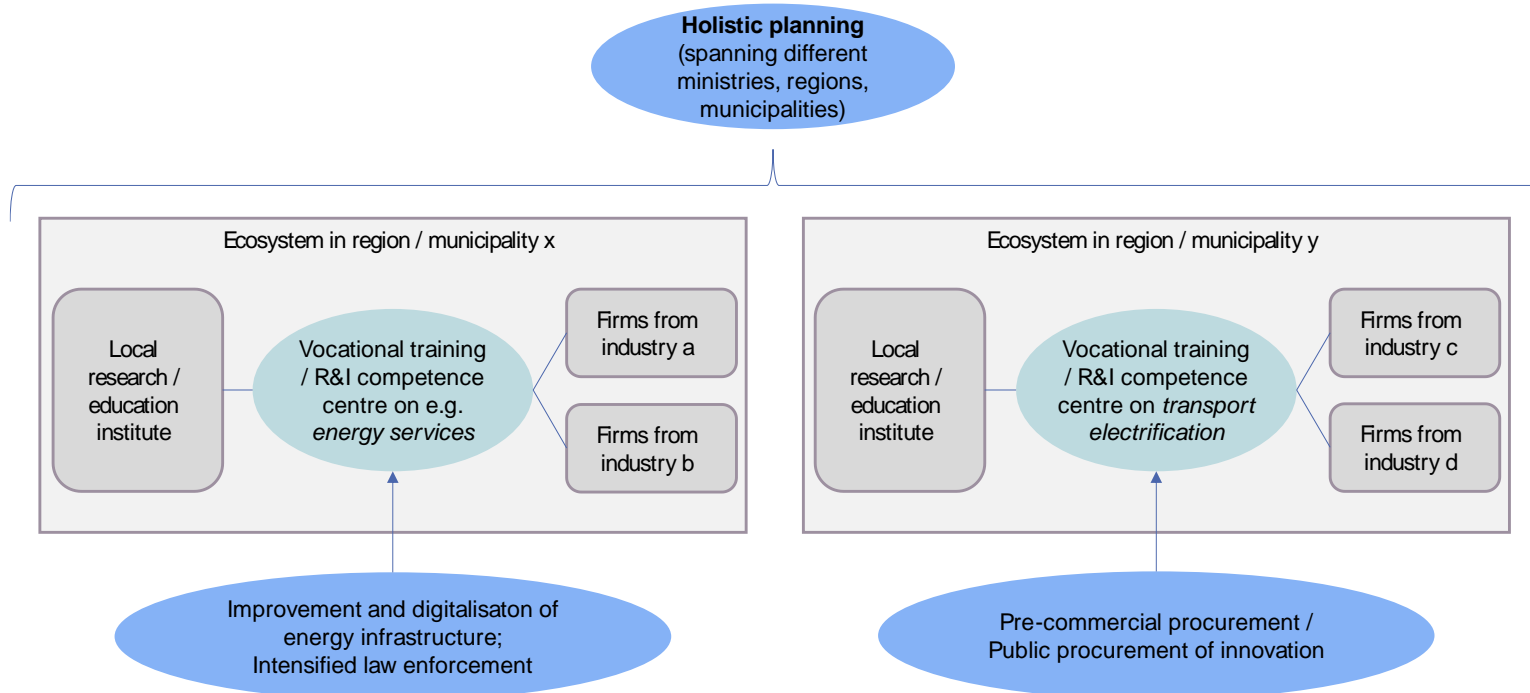





Leverage points

- **Holistic planning;** integrating existing and new Greek initiatives into a coherent strategy.
- **Catalysing innovation via procurement** by strengthening PCP/PPI capabilities.
- **Regional thematic ‘fieldlabs’ for vocational training and research & innovation,** combining skill and knowledge development (+ exchange)
- **Ecosystem development** around strong research organisations (e.g. CERT, ICCS/NTUA), industrial players, or existing clusters.
- **Smarter and better energy infrastructures,** by combining overdue grid maintenance with installing meters allowing for new solutions.
- **Enforcing (and improving) environmental protection,** to make sustainability pay off.

Interlinked leverage points





Experiments, reforms policies, instruments

- Devising **governance structures** that allow for the coupling of technological and socio-economic developments that could shape a coherent transition path, e.g. via a governance working group.
- **Building support coalitions** to identify shared interests and manage resistances.
- Extending Lifelong Learning Centres to **regional fieldlabs**, combining vocational training with public-private innovation and demonstration activities.
- Develop small-scale and low-cost **experiments**.
- Turn the NECP ambitions into a **mission** with a clear, ambitious, time-bound and actionable goal.

Catalysing the Greek transition (Summary)

- **Coordination process:**
 - Greek “Green Pact”; +Inspiration from examples like Dutch “Top Sectors”; +Catalan “Shared Agendas”; +Missions approach.
- **Public policy interventions:**
 - Legislation (e.g. microgrids, sandboxes); policy stability; enforcement of environmental regulation;
- **Enabling actions:**
 - Infrastructure (network and charging points); Skills (think ahead, (re)train, with/in businesses); demand management (smart meters, city-level standards, EV facilities, etc.); acceptance of RES (energy communities match with territorial values)
- **R&D and innovation actions:**
 - Knowledge transfer, PPPs, Public Procurement for Innovation (requires mostly capabilities, not money)

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