

Local energy planning - introduction

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Kari Aamodt Espegren and John Johnson

Objective of WP 3 – Sustainable Energy Planning

- Further development of an existing tool for local energy planning (KRAM) into the REAM system
- Energy analyses and planning in all SEC's
- Active involvement by local communities
 - energy experts, politicians, planners etc
- Develop “Energia-game”

Local energy planning

Different phases in the process:

- Data survey
- Decision making (incl. energy modeling)
- Implementation

Public involvement

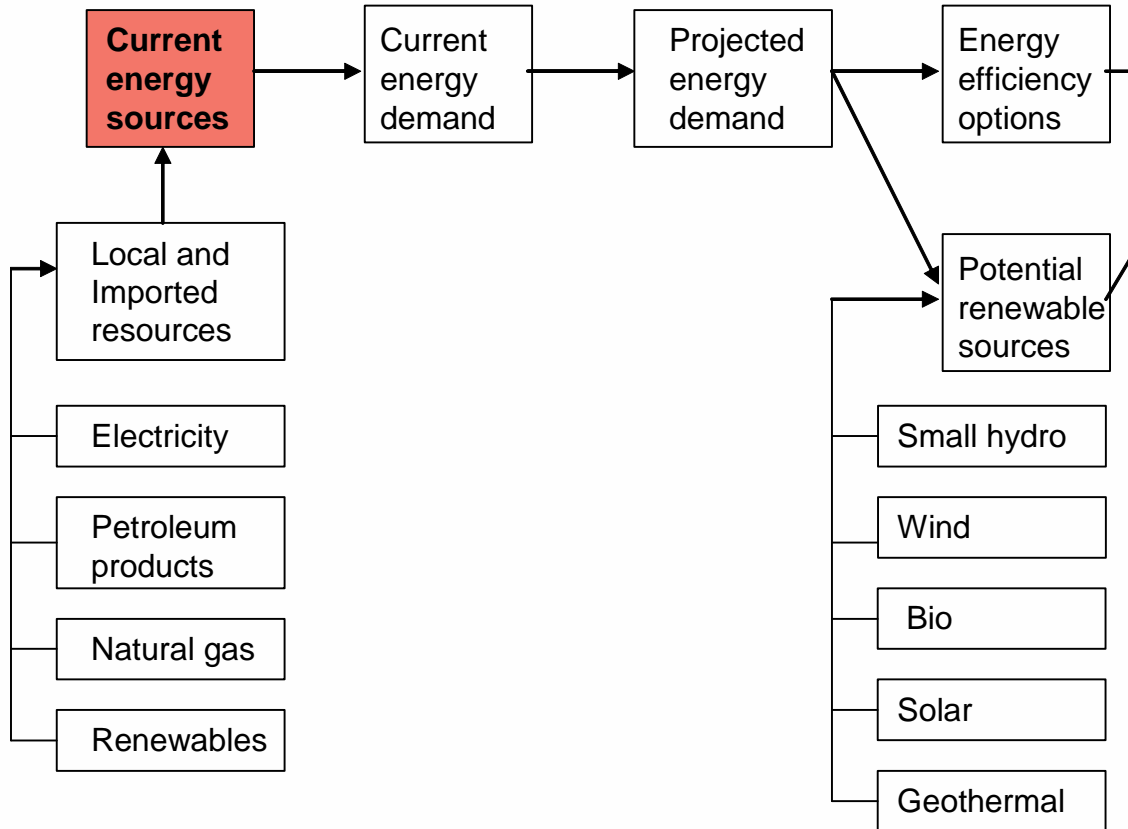
Important aspects - energy planning

- Sustainable utilisation of resources
- Cost efficiency
- Security of supply
- Local environment
- Promote the local industry and commerce
- Follow national/international agreements within environment and climate issues

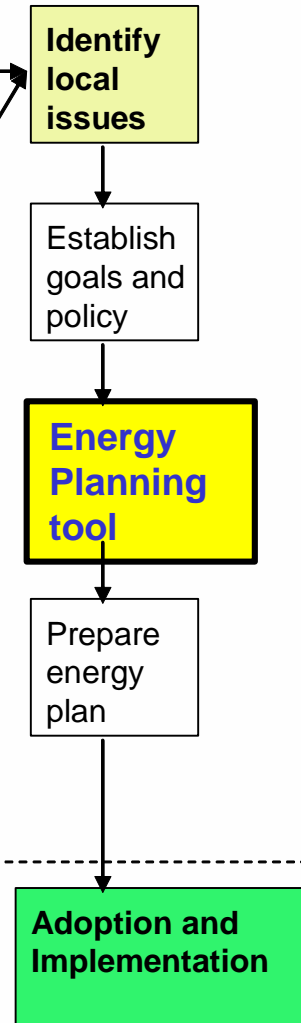
Who is the typical energy planner?

- Power utility companies
- District heating companies
- Gas distribution companies
- Municipalities
- Industrial companies

Phase 1: Data survey



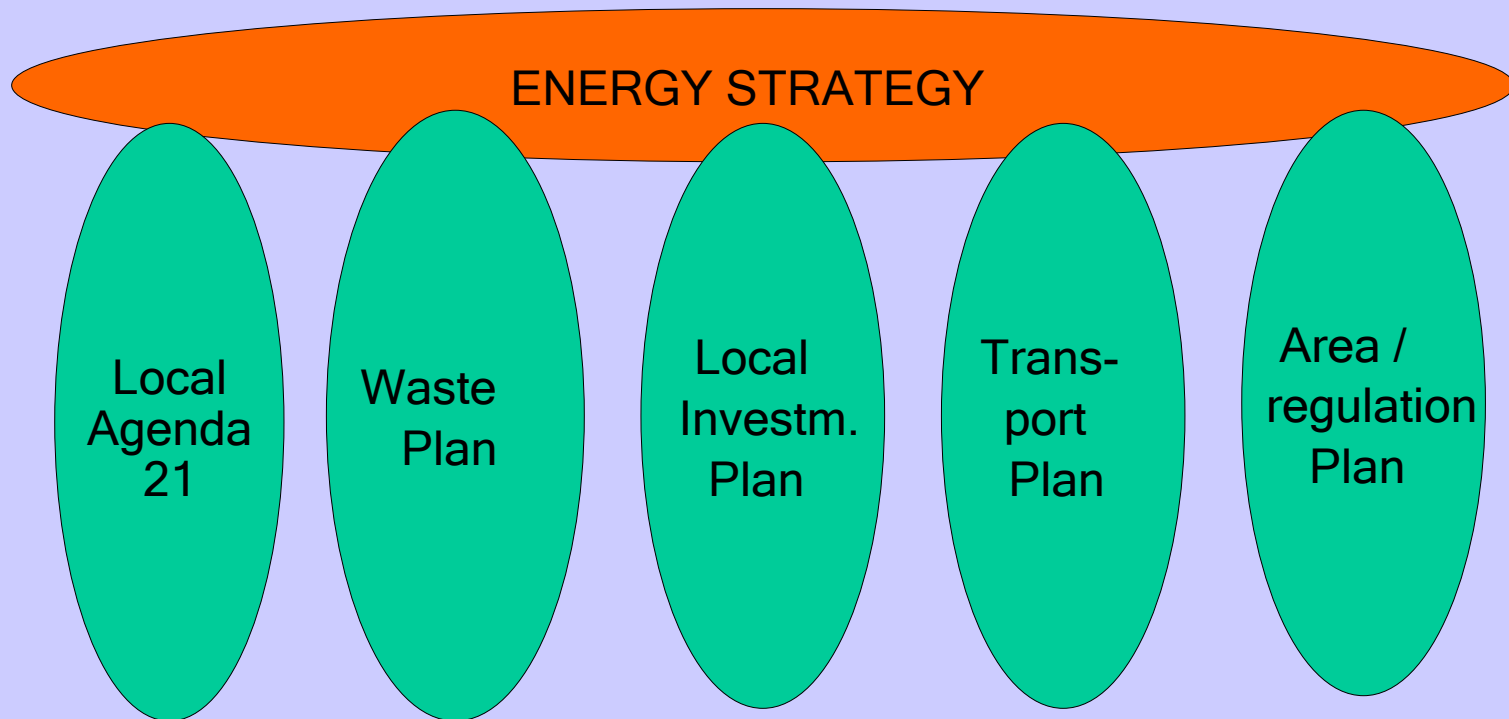
Phase 2: Decision-making



Phase 3: Implementation

Public involvement necessary in phase 2 and 3

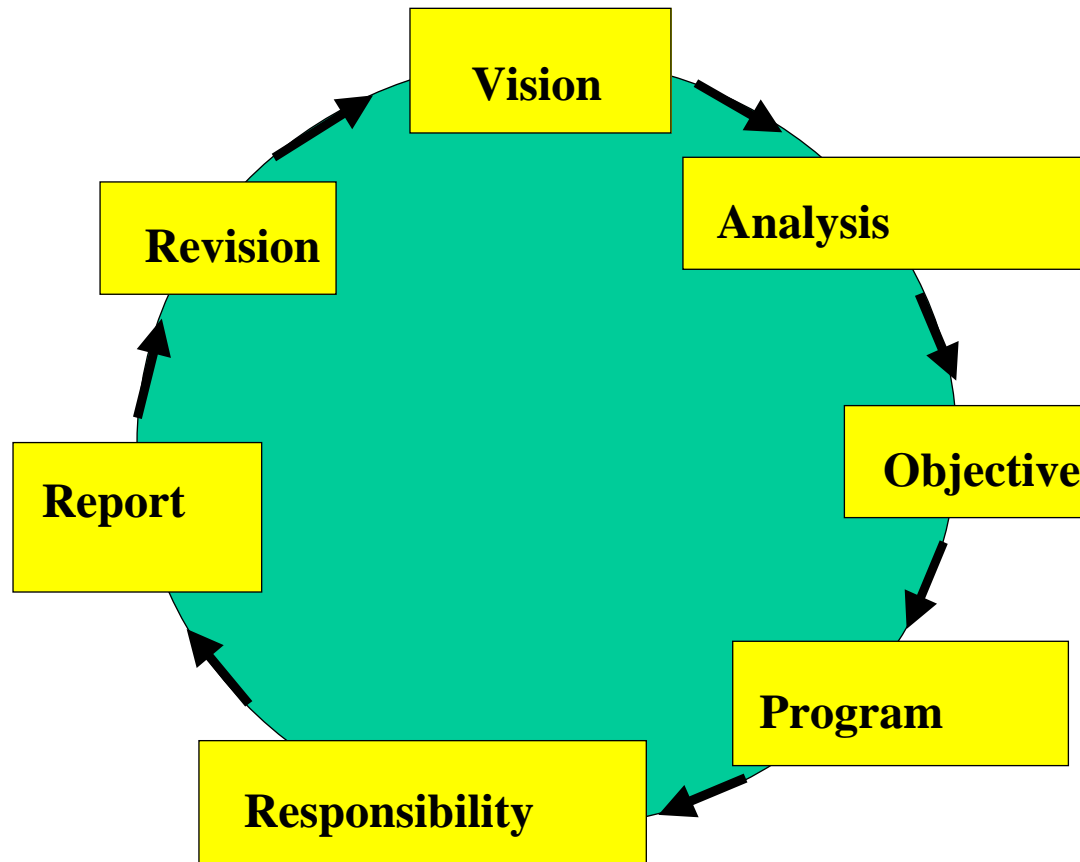
Local Energy Planning



The energy plan can consist of a description of:

- the current energy system
- the composition of the energy supply sources in the municipality
- statistics on the power generation, transmission and stationary use of energy.
- projected stationary energy demand in the municipality, divided on various energy carriers and user sectors
- future energy solutions for community including substantial changes in energy demand
- monitoring and targeting

Energy planning - a continuous process



Information on energy planning

- Energy Conservation in Buildings and Community Systems Program, Annex 33, IEA, Advanced Local Energy Planning – a Guidebook
Can be ordered from Fachinstitut Gebäude Klima: fgk-ev@t-online.de
- REAM handbook (when finished!)
- Local/National information, handbooks, guides?