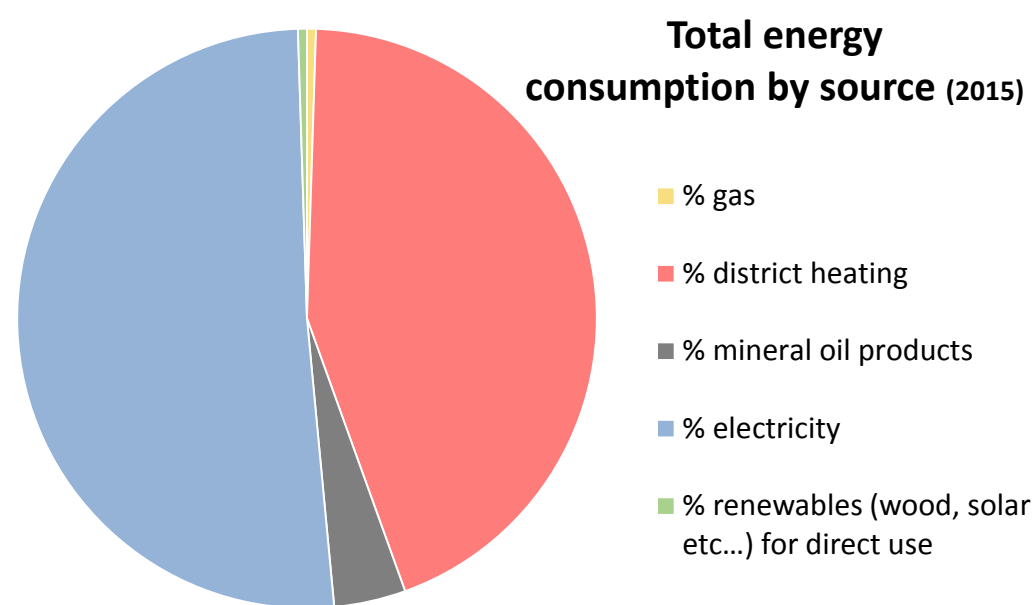


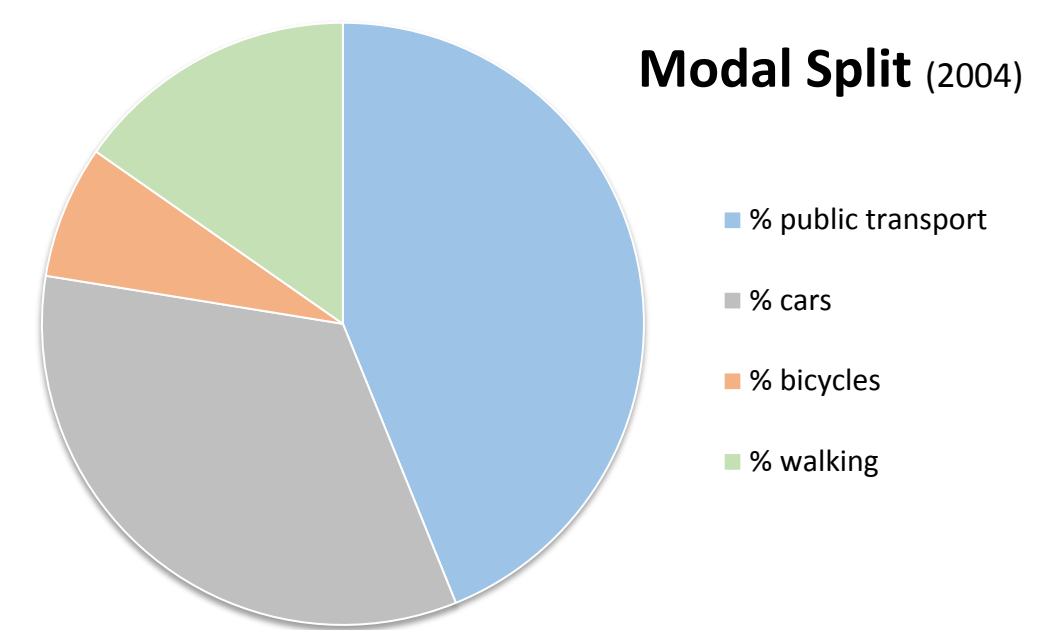
## City Facts

### General data

Size (km2)	2015	216
% of green area	2015	40
% of water (incl recreational)	2015	13
Size (population)	2015	923.516
Density (Inh./km <sup>2</sup> )	2015	4.395
Density (houses/km2)	-	-
Annual population growth (%)	2015	1,86
Purchasing Power (GDP/capita in EUR)	2015	103.797



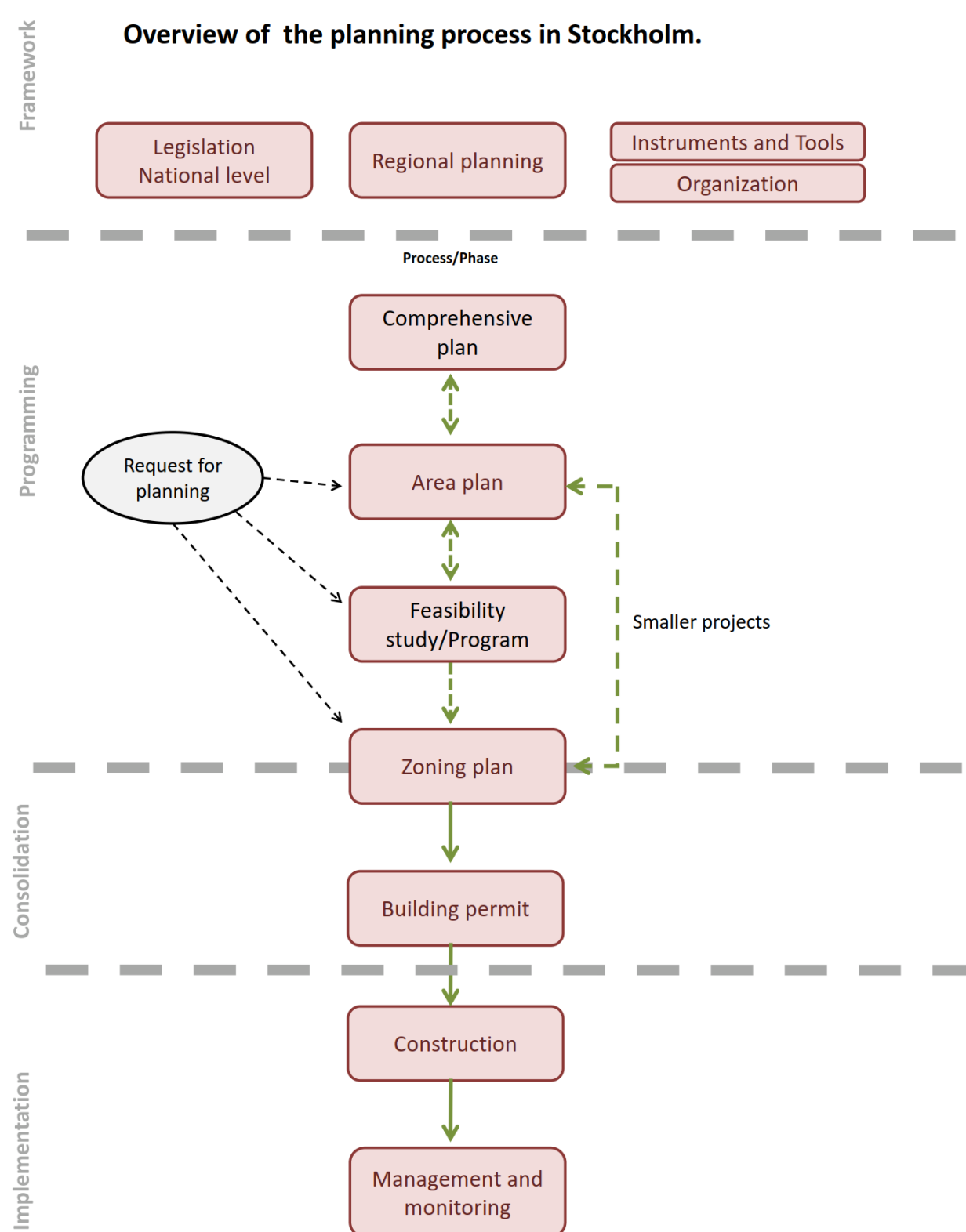
Final energy consumption - total (2015): 13.505 GWh  
 Final energy consumption per capita (2015): 14.623 kWh/cap\*a  
 CO<sub>2</sub> emissions- total (2015): 2.458.000 t CO<sub>2</sub> eq  
 CO<sub>2</sub> emissions per capita (2015): 2,7 t CO<sub>2</sub> eq / cap\*a



Cars per 100.000 inhabitants (2015): 193

## Current governance processes

### Stockholms urban planning process

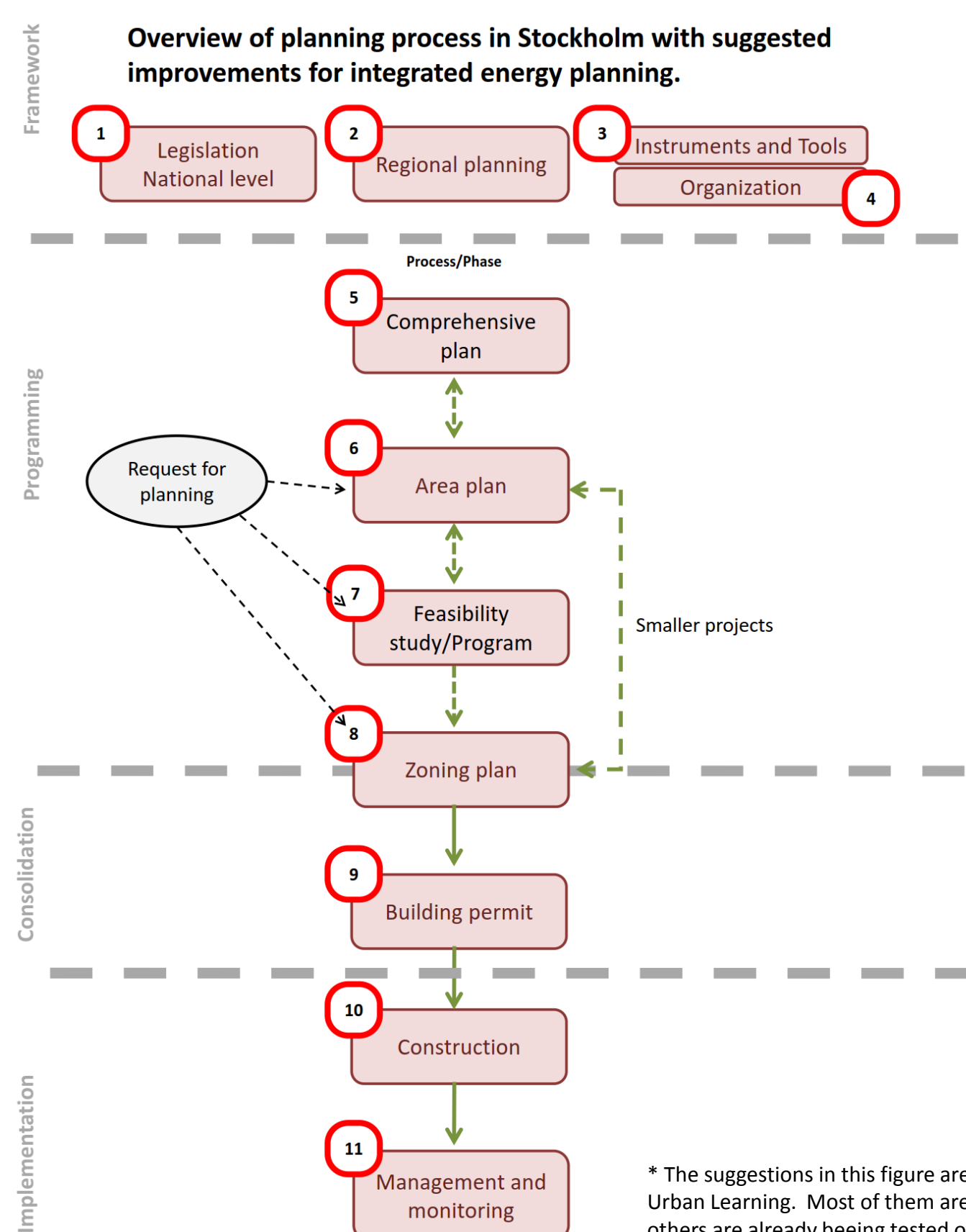


### Important issues of the current processes towards energy

- Roadmap for fossil-free Stockholm in 2040: wide cooperation and participation is needed in order to implement the wide range of measures
- Only technical innovations are not sufficient.
- The city can be stricter than national standard for energy use in building if landowner
- Stockholm Royal Seaport area: New energy solutions, planning efforts, civil contracts are tested, evaluated and transferred to other parts of the city
- Weak possibilities to "force" private stakeholders into wanted solutions that exceed national law standard; only dialogue and volunteer agreements possible
- The cooperation within the city administration works well but up to now energy has little relevance
- Good energy data basis is needed and has a high relevance; especially in GIS format

## Approaches for integrative energy planning

### Possible integration of energy in the planning process\*



\* The suggestions in this figure are provided by the LWG in Urban Learning. Most of them are still under discussion others are already being tested or implemented.

### Selected recommendations for integrative energy planning

1. Improve the prospects for consumption of locally produced electricity from renewable sources for private use
2. : Development of GIS data Increased regional collaboration production, storage and delivery.
3. Energy strategy in addition to the climate strategy defining a joint vision of the city. . Well-developed coordination of stakeholders
4. Energy focus group at City-wide level, organization for integrative energy issues, control and follow up function.
5. Production of QGIS/ARCGIS supporting information
- 6 and 7. Energy strategies are to be developed at the local level
8. Demands in development agreements, methods for energy calculation on building level
9. Control function of energy coherence in building permit stage, facilitating installations for renewable energy production
10. Education of contractors on energy issues, strict quality control during construction phase
11. Monitoring and Follow-up of energy production and consumption for knowledge transfer