



Integrated approaches for a metropolitan areas under hard pressure

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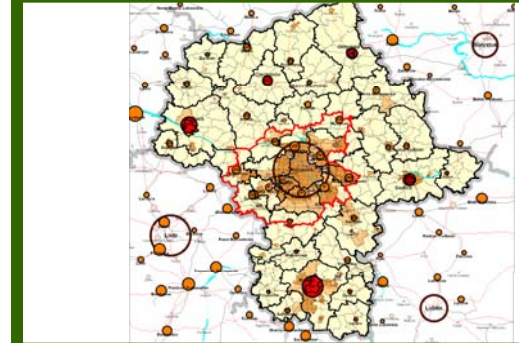
Mazovian Office for Regional Planning

Managing the Urban Rural Interface, Copenhagen, October 19-22

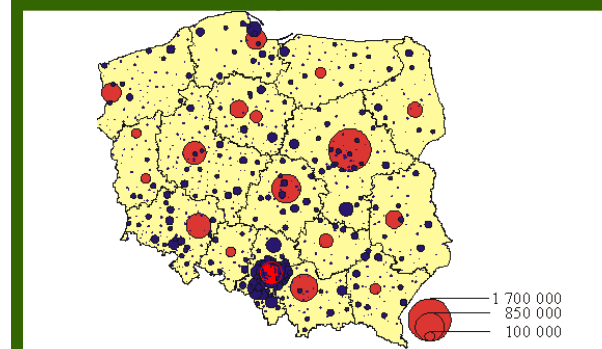




MONO



POLI





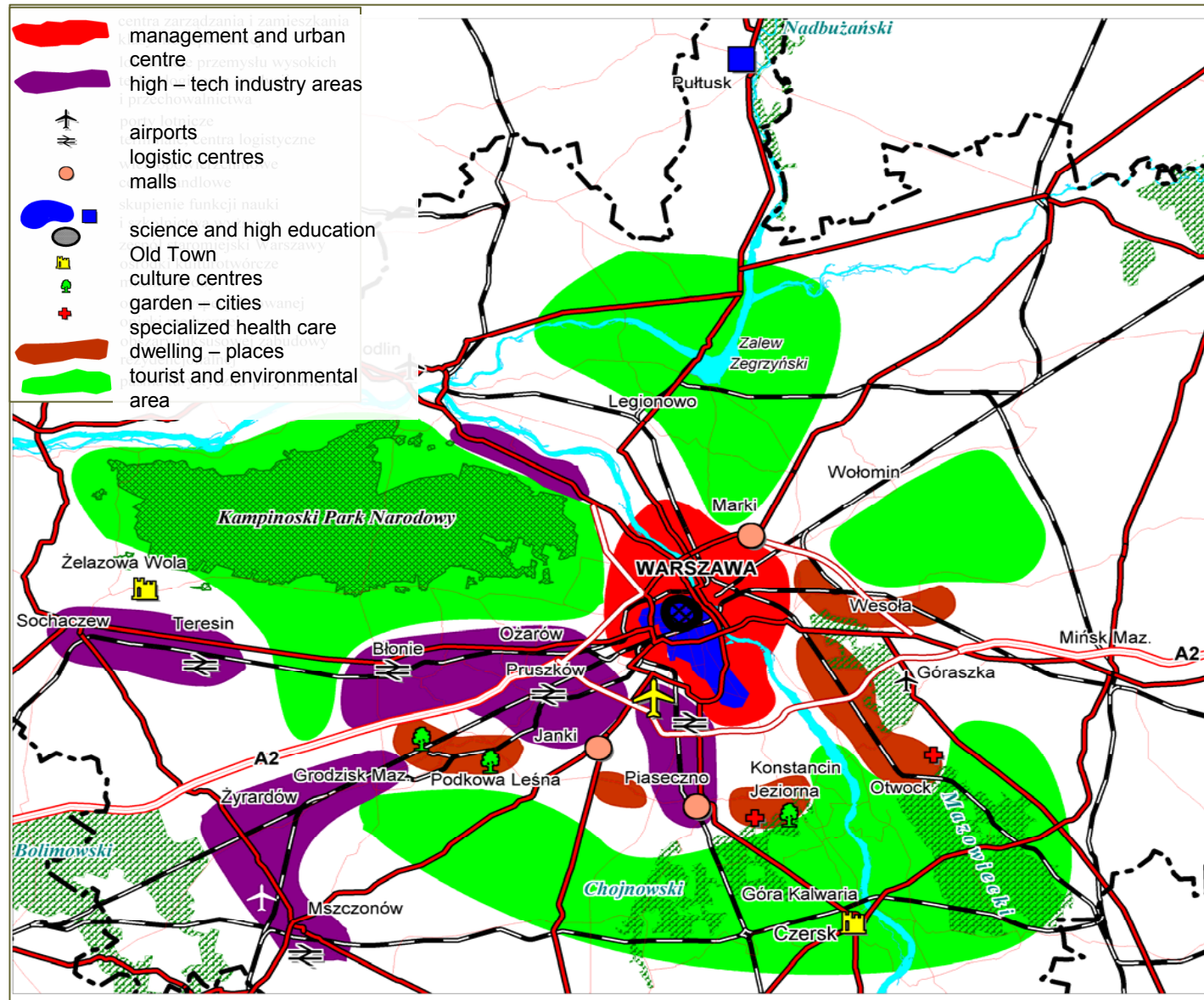
Warsaw Metropolitan Area



- Area – 6 200 sq km
- settlement network:
 - Warsaw,
 - 12 counties,
 - 72 municipalities,
- 2,9 mln inhabitants
- Warsaw – 1,7 mln inhabitants
- density 468 persons/sq km
- GDP – in PPS per capita (2007)
 - EU 27 – 24 900
 - Poland – 13 600
 - Mazovia – 21 700
 - Warsaw – 41 400
- Mazovia Region – 21% GDP PL
- Warsaw:
 - 62% of GDP Mazovia
 - 13% of GDP PL



Warsaw Metropolitan Area development nodes

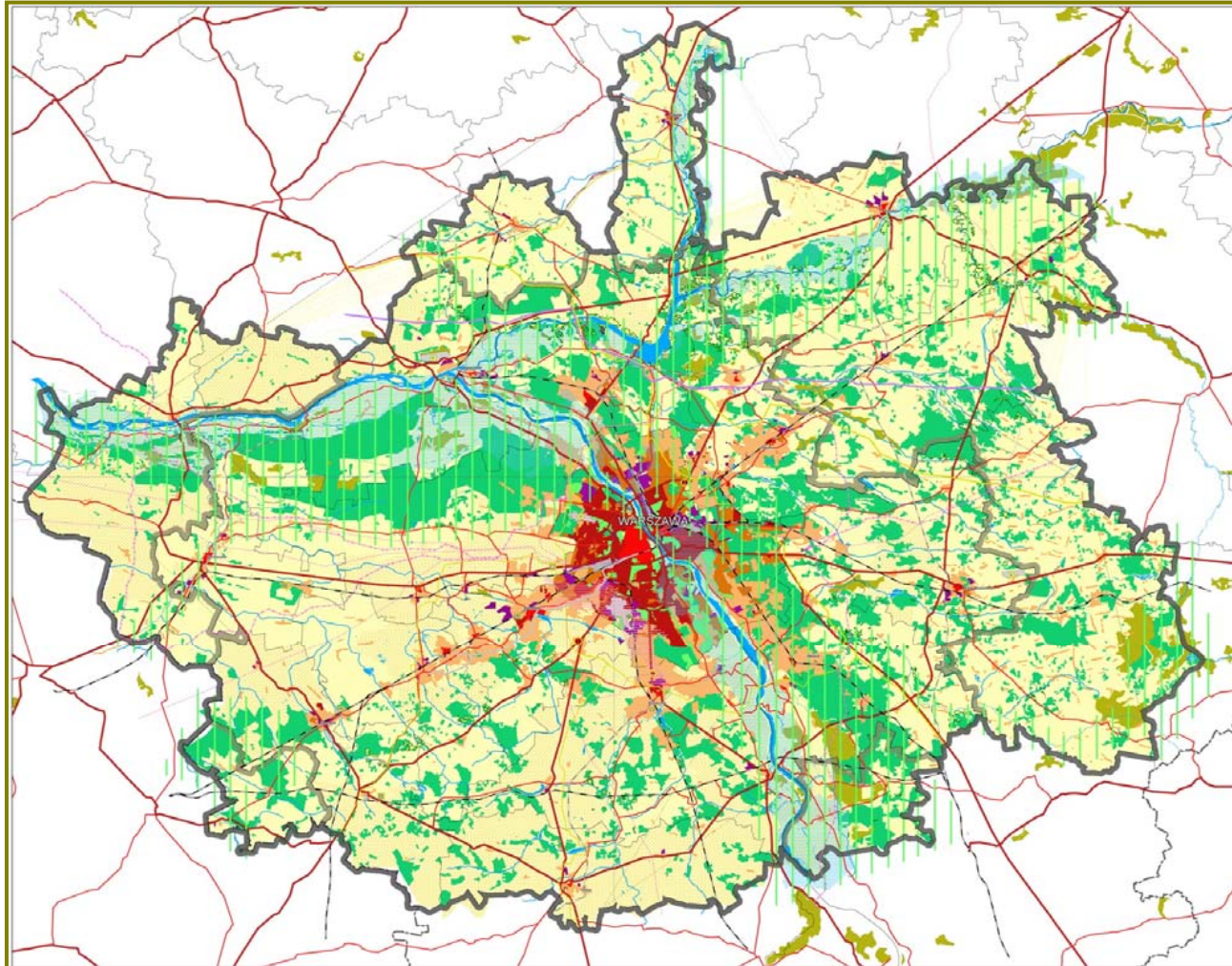




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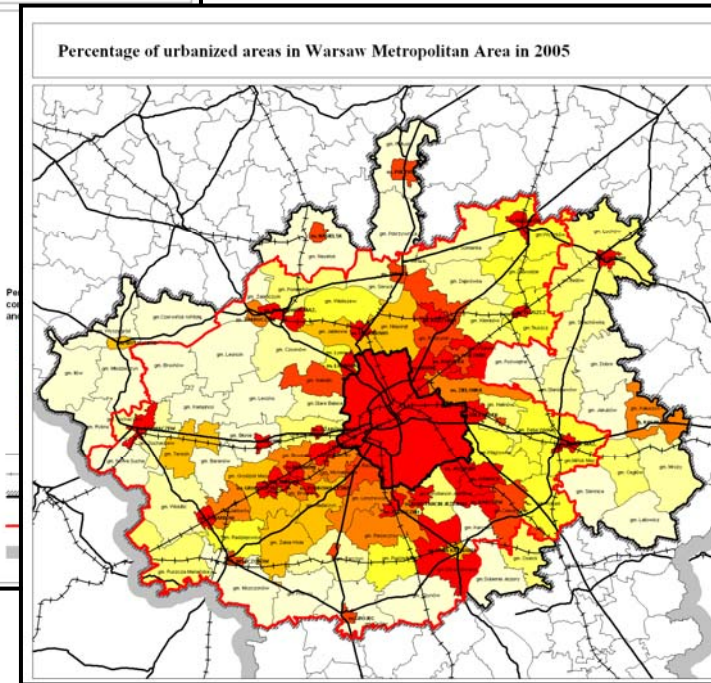
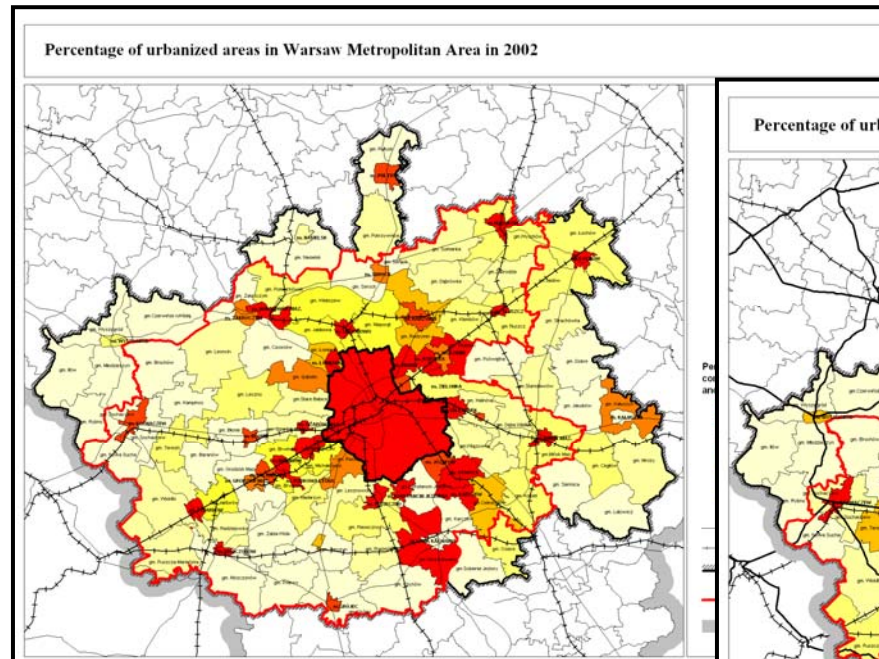
PLUREL
|||||

Warsaw Metropolitan Area Functional Structure





Changes of land use 2002–2005

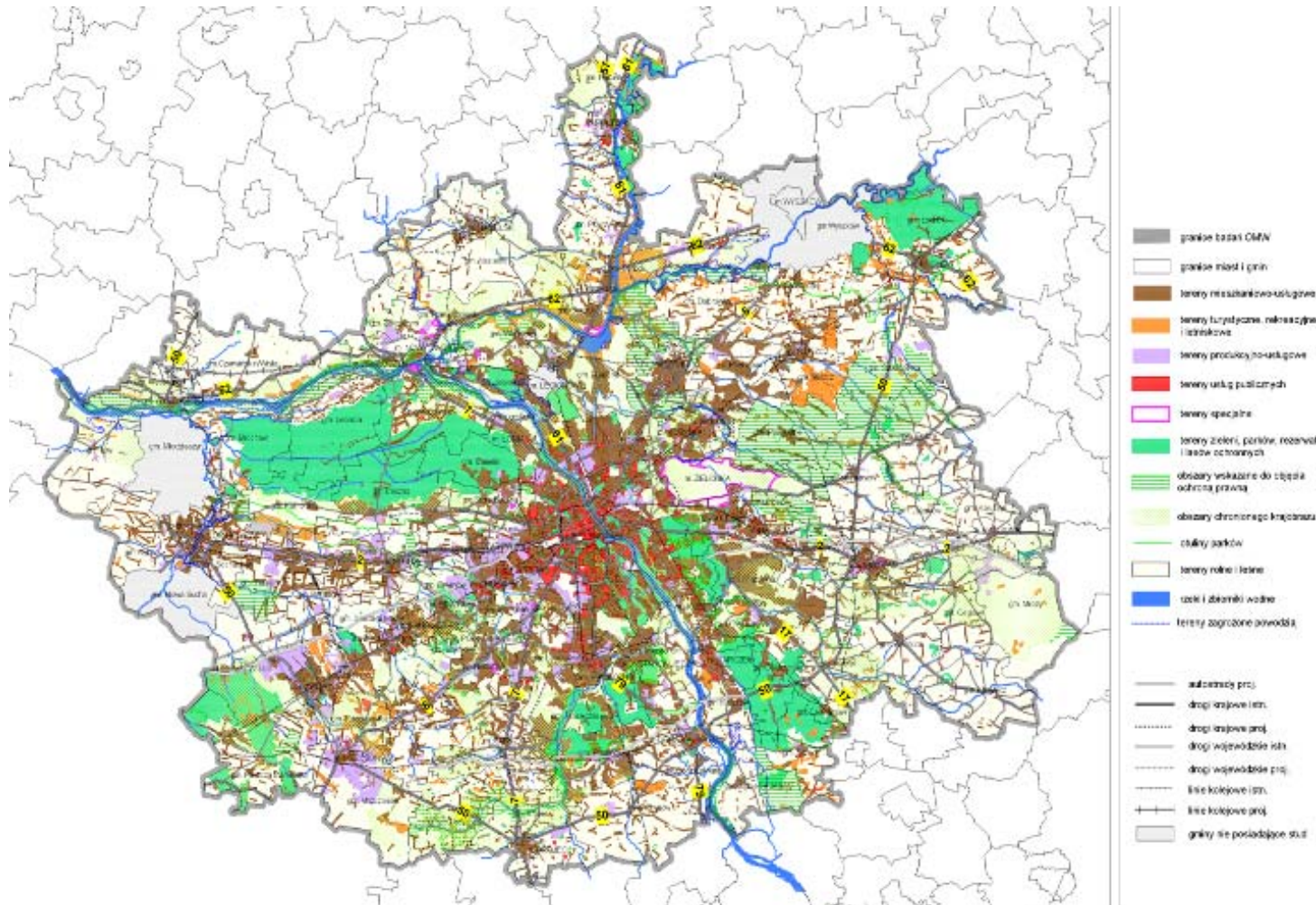


Dense, urban development preserve spatial continuity along main roads and railways (small cities around Warsaw)

Only during 3 last years number of communities where percentage of development areas is $\geq 15\%$ rose from 33% to 42%



Planning policy of municipalities within Warsaw Metropolitan Area

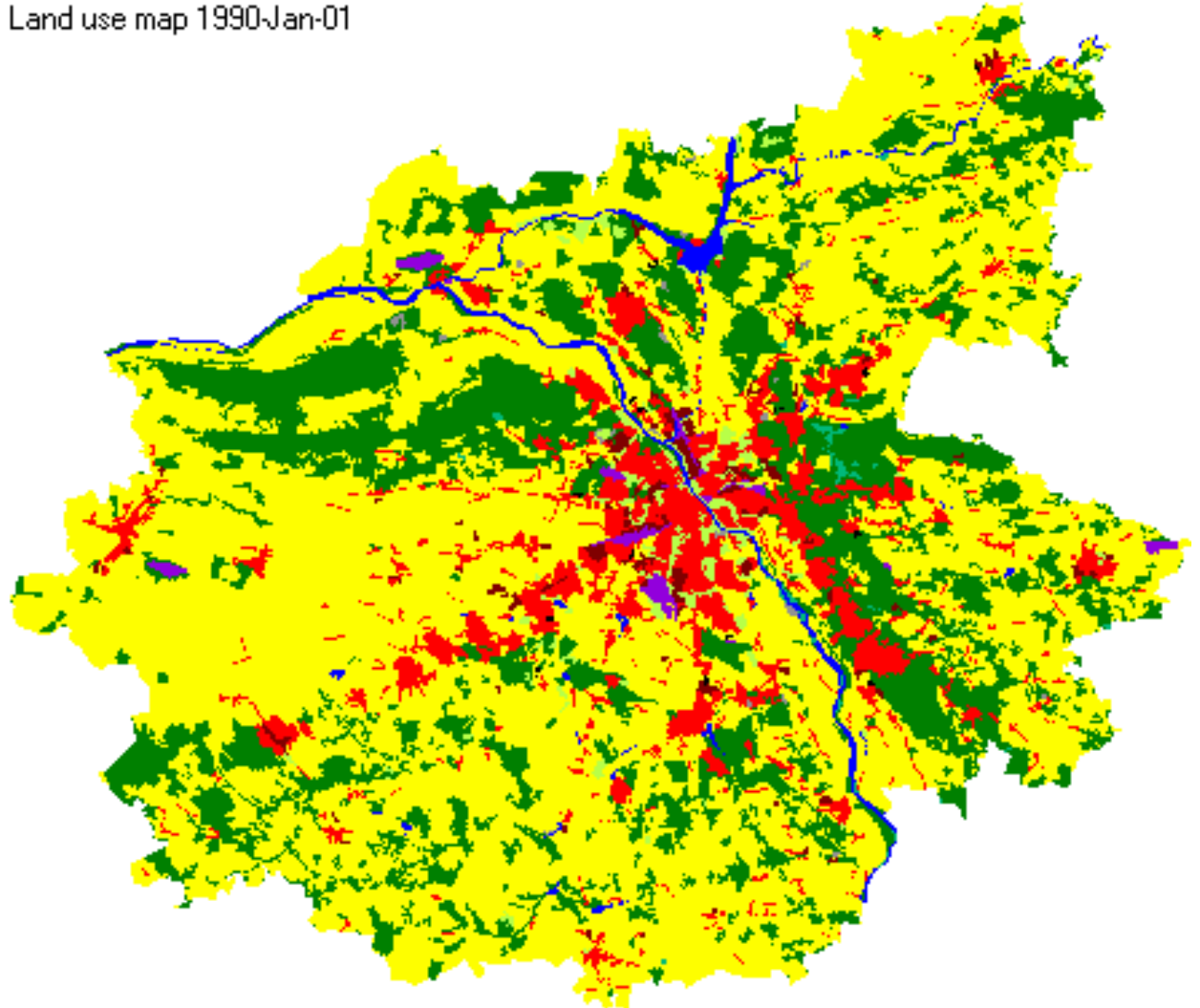




Model Metronamica ML (1990-2025, incl. suitability)

-  green urban areas
-  agricultural areas
-  urban fabric
-  industrial or commercial units
-  transport areas
-  mineral extraction or dump
-  construction sites
-  standing forests
-  natural and semi-natural vegetation
-  water courses and bodies

Land use map 1990-Jan-01





3D

World Bank

DISTANCE

DIVISION

DENSITY

3C

Green Paper

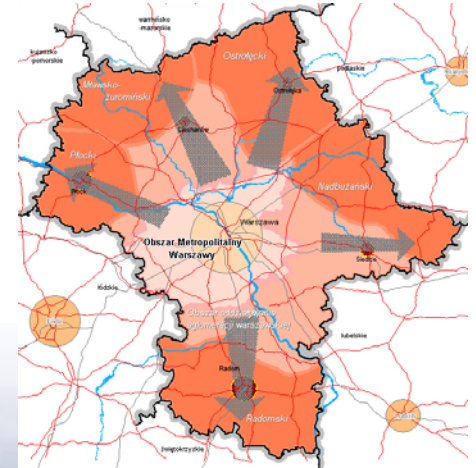
CONCENTRATION

CONNECTION

COOPERATION

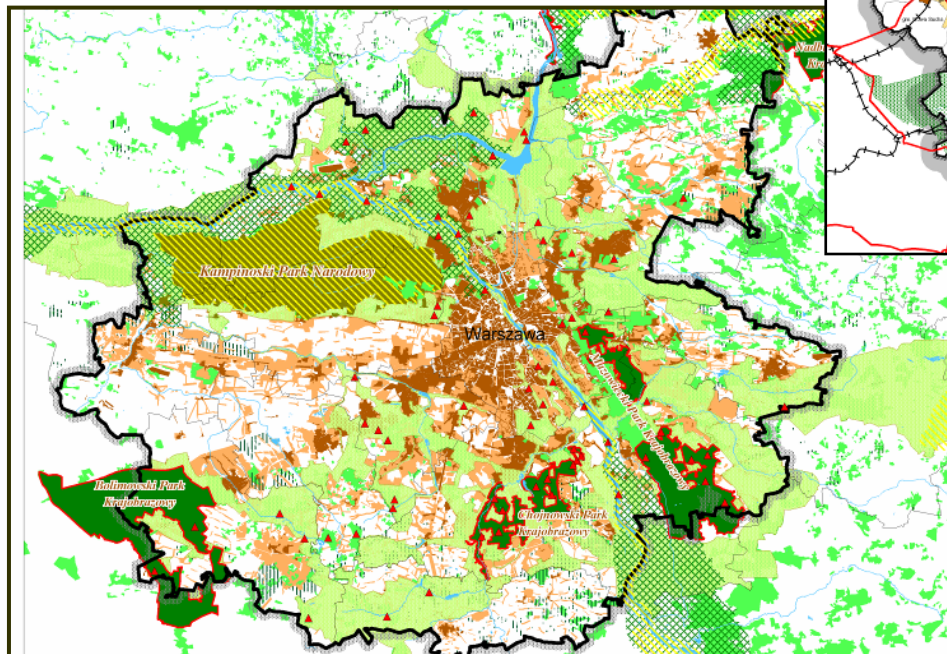
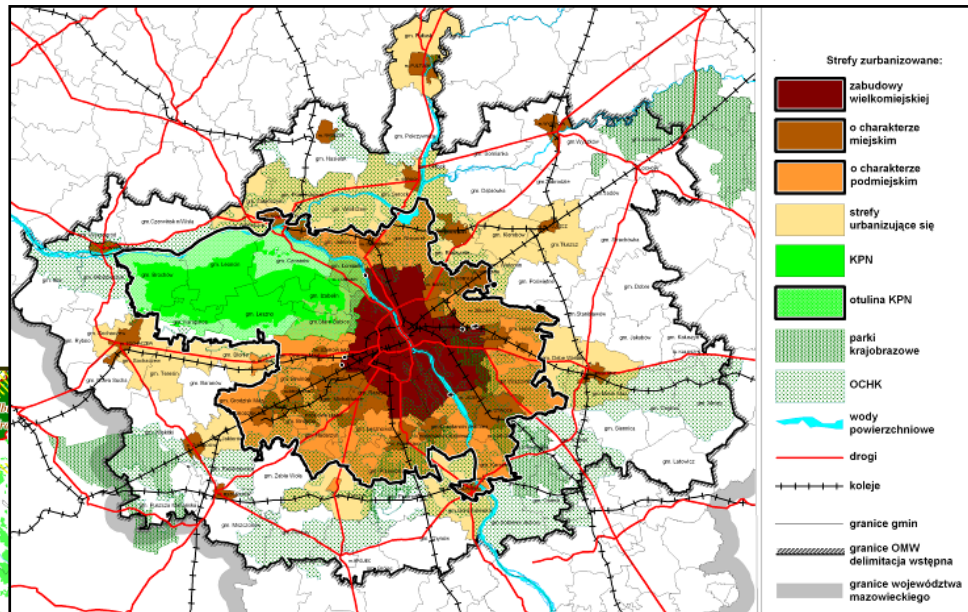


3S SHRINK vs SMART SPRAWL SPREAD



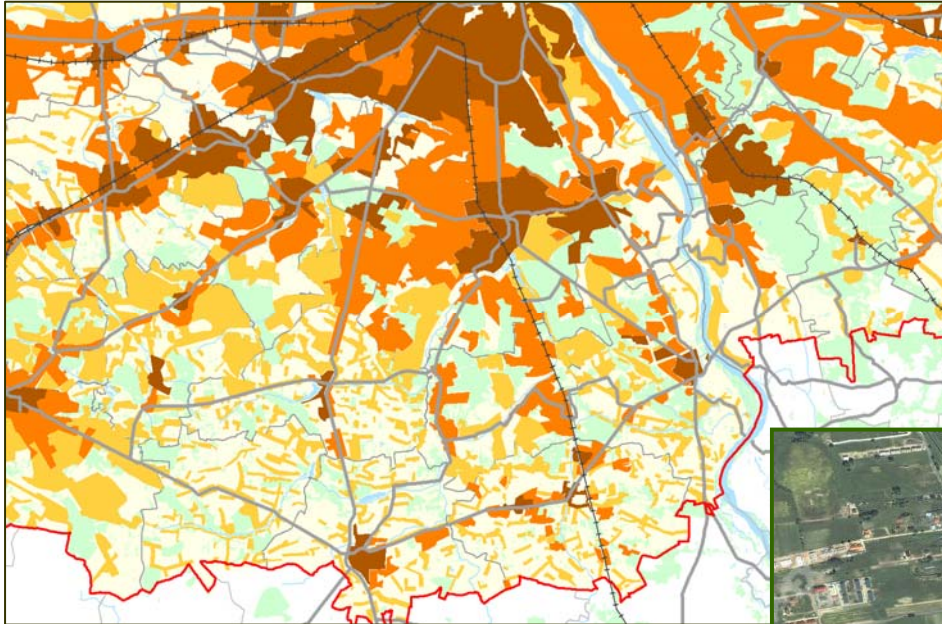


SPRAWL



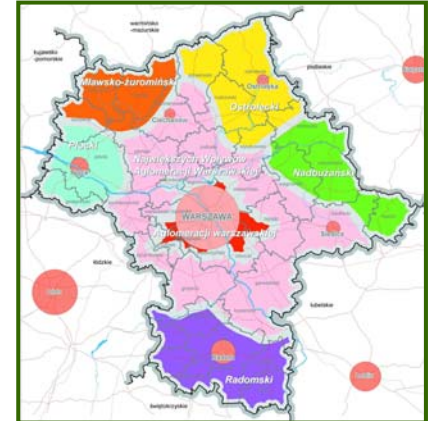


SPREAD





SHRINK vs SMART

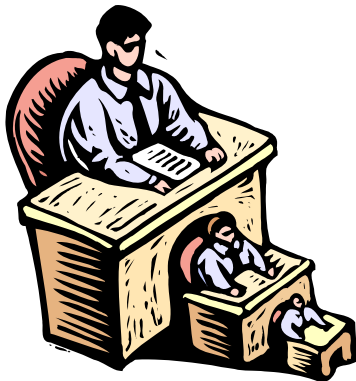




DRIVING FORCES

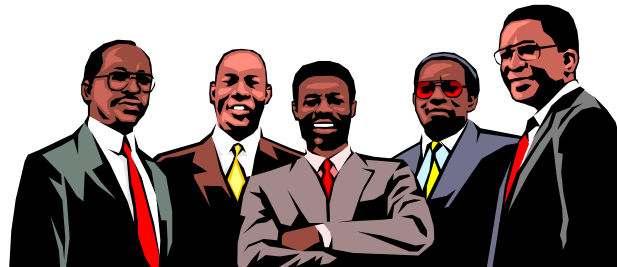
ADMINISTRATION

decision
makers of
different
levels



BUSINESS

investors
land owners
companies



SOCIETY

Inhabitants
NGO's
other
stakeholders

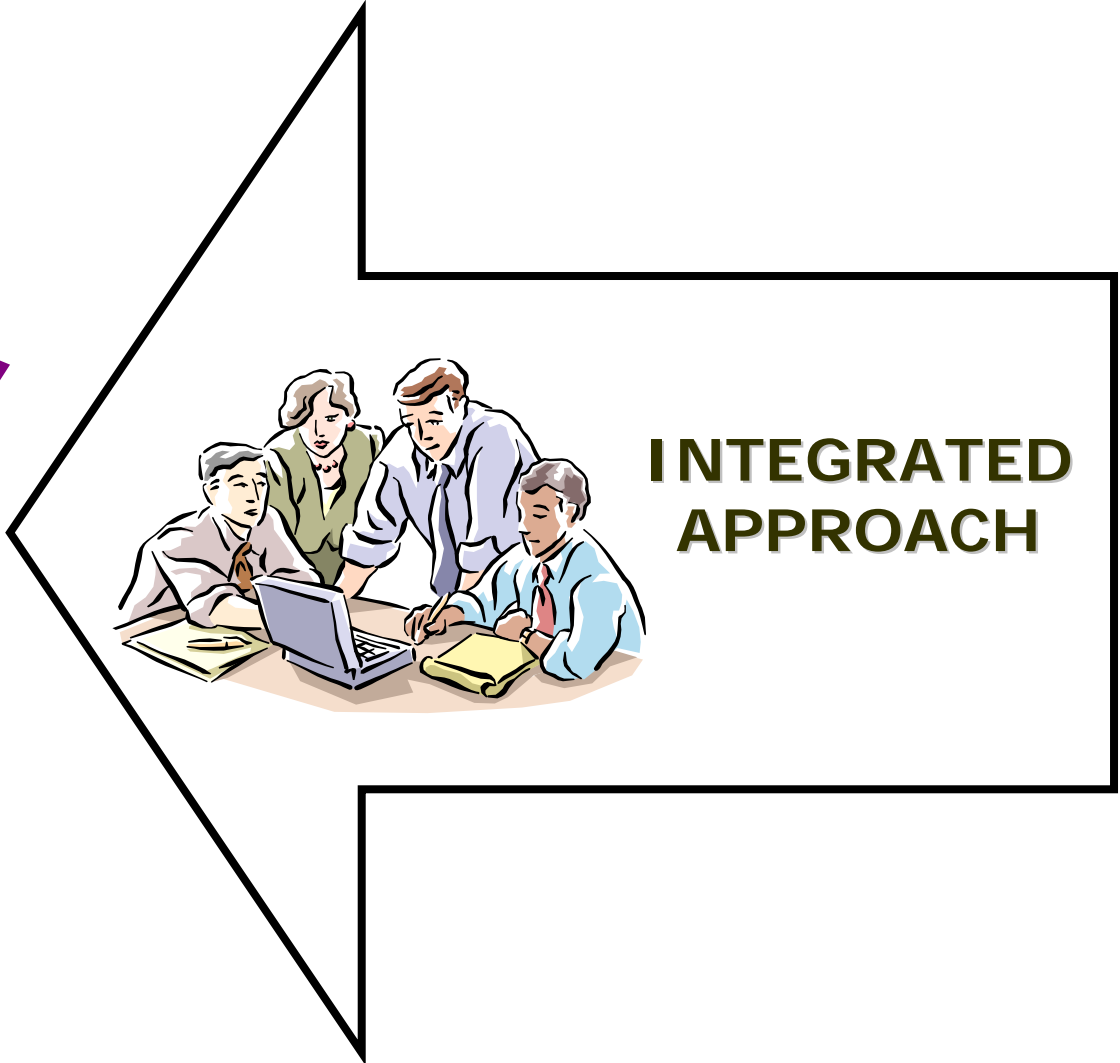




ADMINISTRATION

BUSINESS

SOCIETY





- Understanding
- Support

CITIZENS

- PPP
- Investments
- Retail, services, housing, education

PRIVATE SECTOR



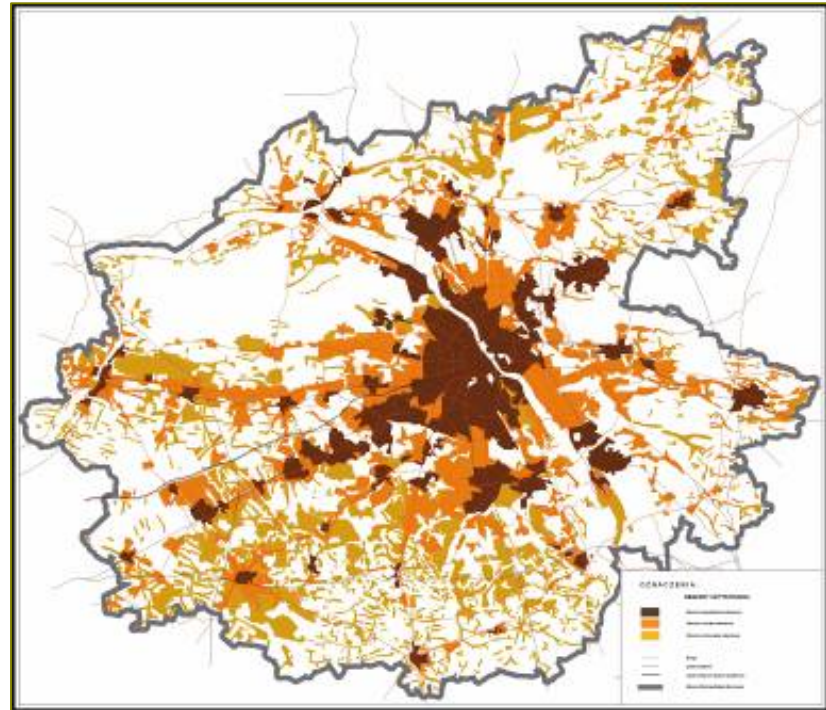
ADMINISTRATION

- Strategy
- Spatial and regeneration planning
- Public investments
- Coordination



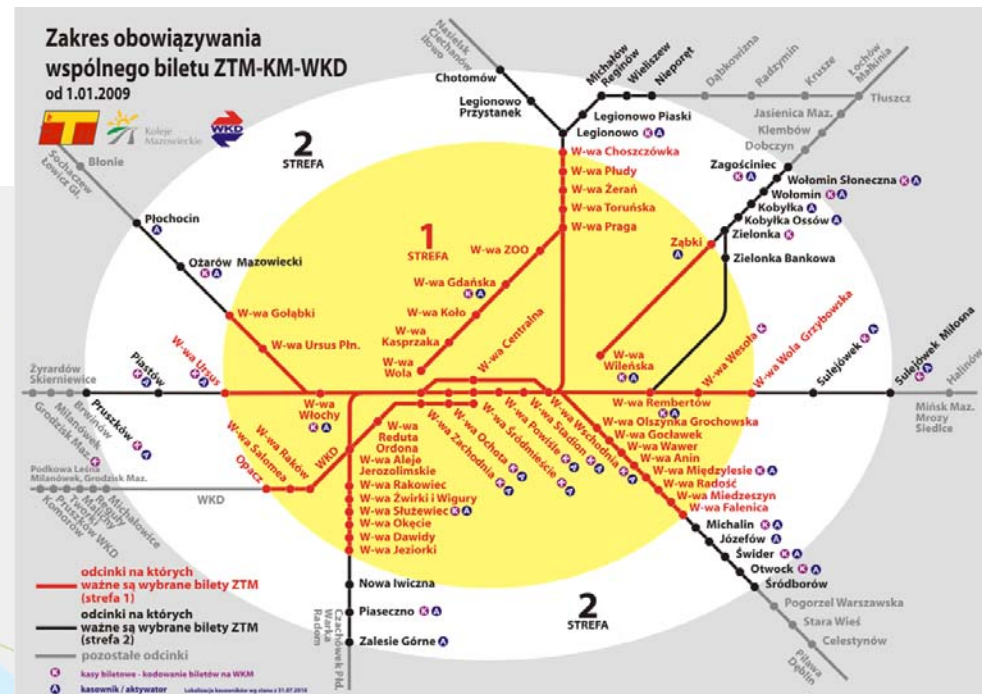
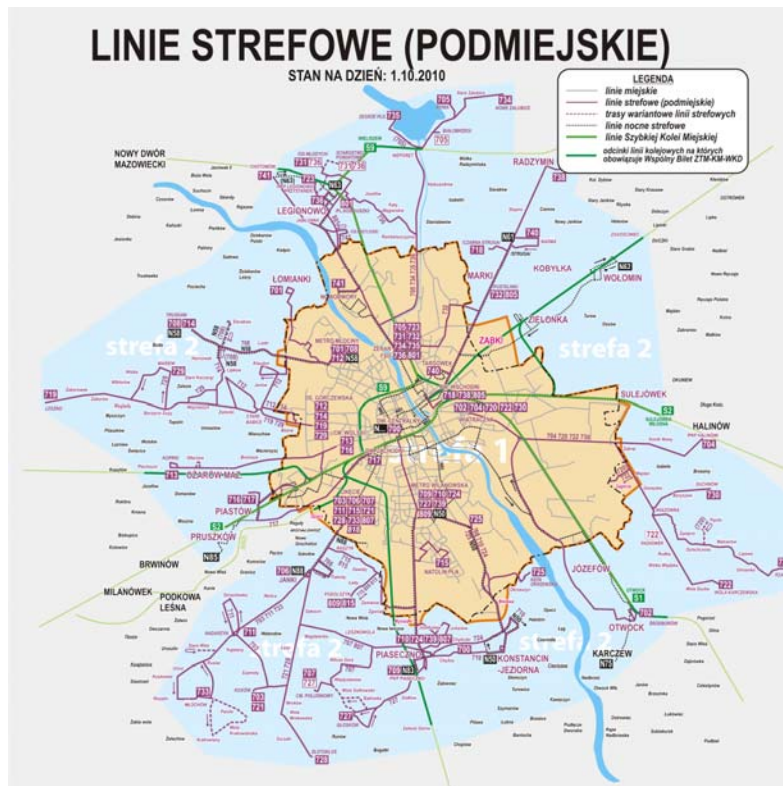
Warsaw Metropolitan Area Spatial Plan Development Zones

- **Intensive City Zone** – high density, brownfield development, first phase of development
- **Development Zone** – medium density, predestinated to be developed in second phase (after exhaustion of land in Intensive City zone)
- **Adaptation Zone** – existing land use allowed to be maintained, full protection and preservation of agricultural and green areas
- **Open Zone** – preferred environmental and agricultural use, existing settlements allowed to be modernised





Warsaw City Card – metropolitan ticket

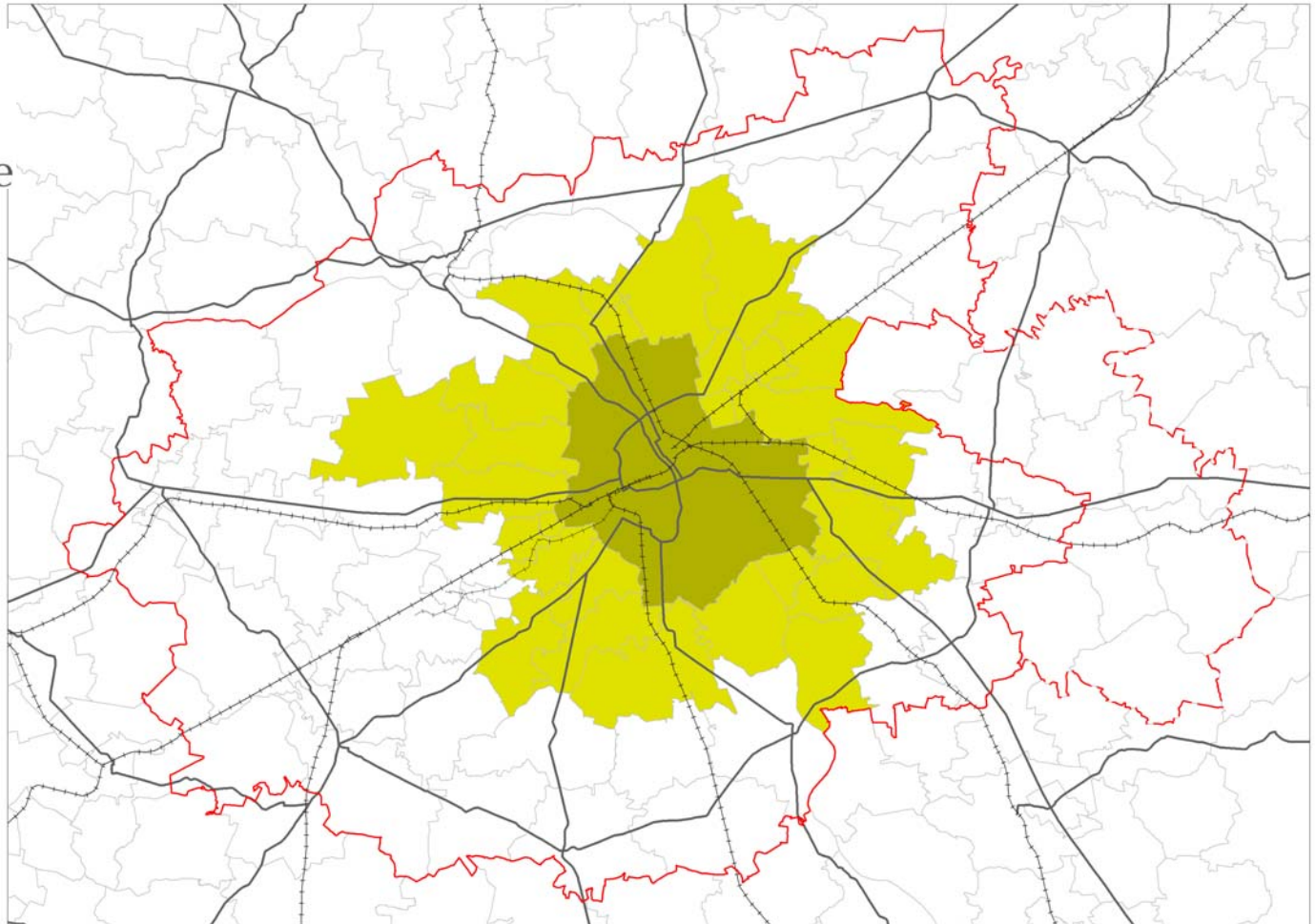




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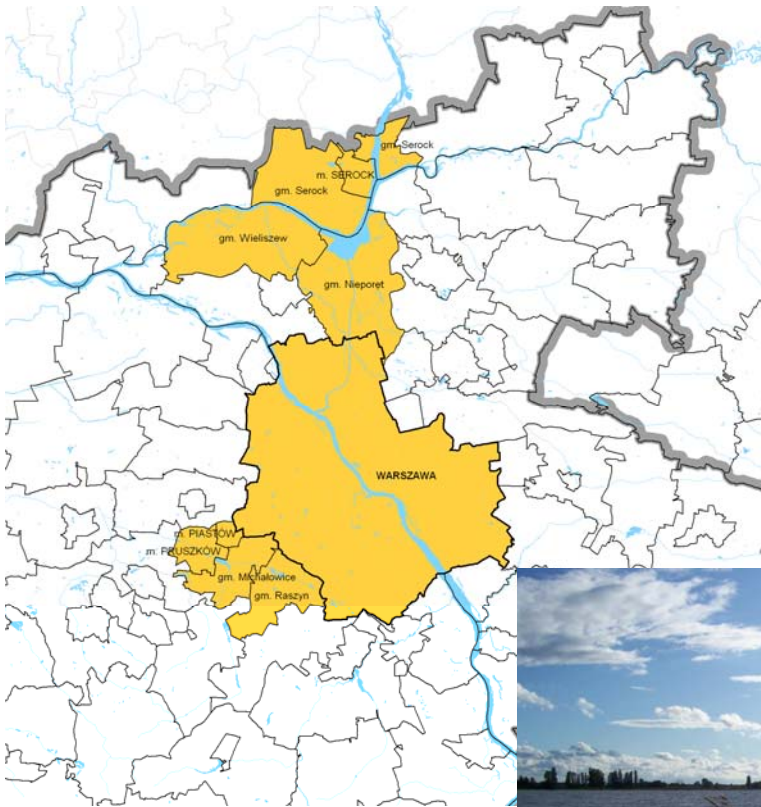


Koleje
Mazowieckie





Intermunicipal agreement concerning water supply and sewage disposal

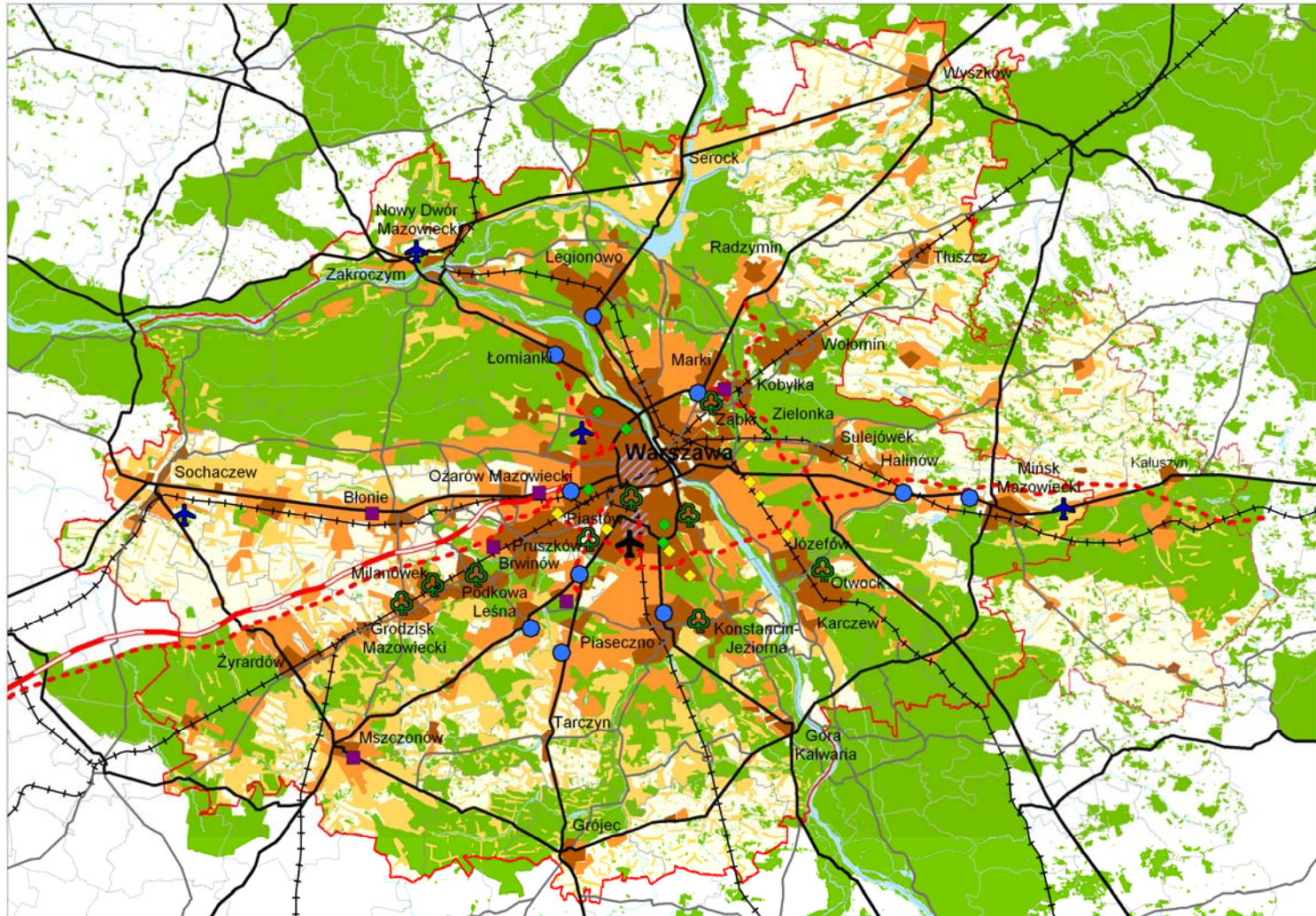


An agreement between Warsaw and suburban municipalities concerning the taking over of water supply and sewage disposal tasks by the urban company





Structure of Warsaw Metropolitan Area





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