



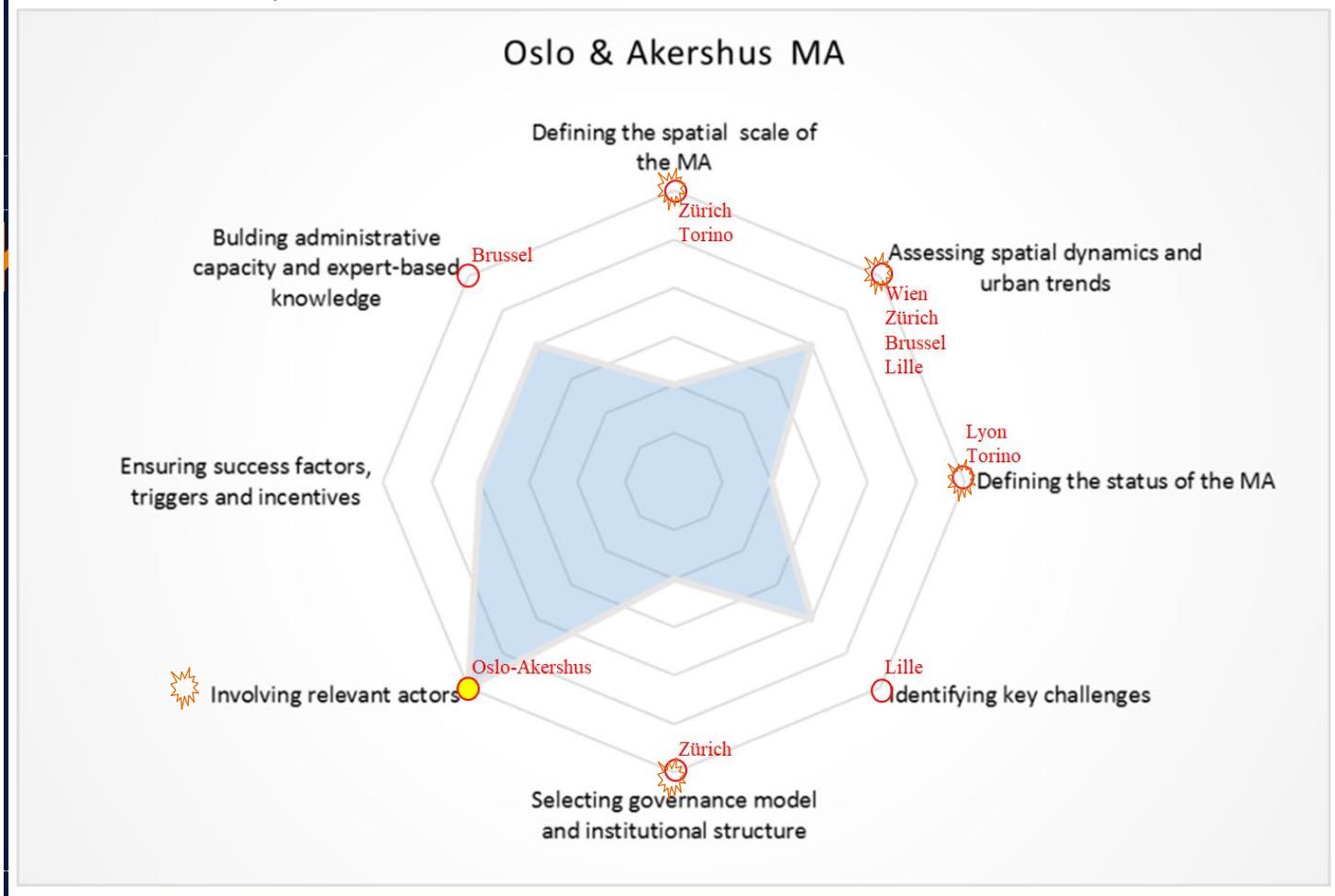
City of Oslo

SPIMA cities

Innspill til drøfting av studiereise
Osloregionen, 12.03.2019

Hva kan vi lære, av hvem?

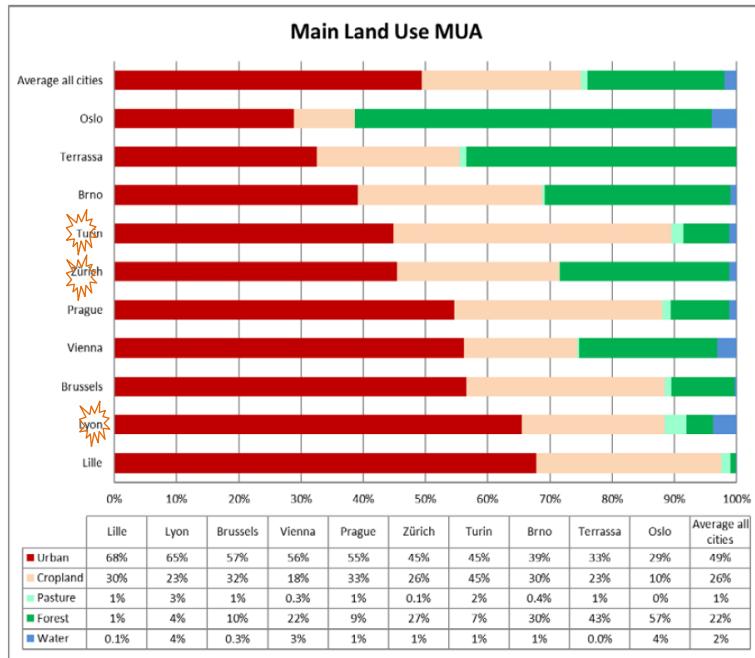
Figure 2.6 Progress of Oslo & Akershus in MPA





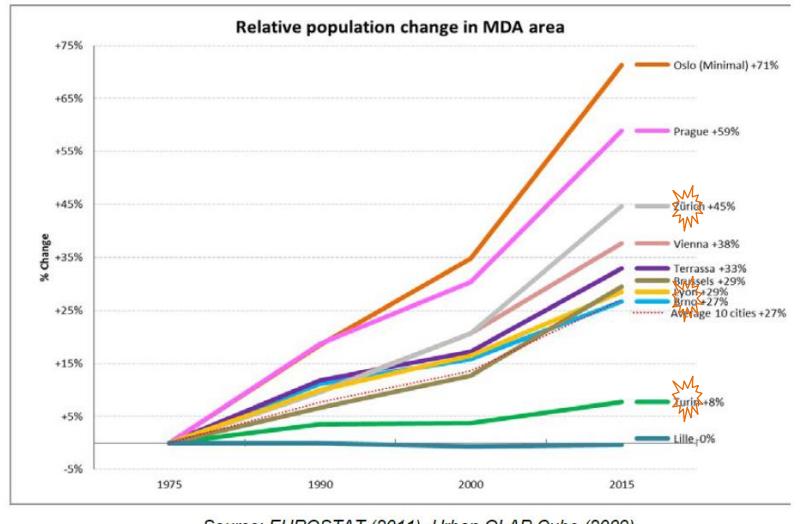
Arealdekke og befolkning

Figure 1.3 Comparative overview of the land use un MUAs



Source: EUROSTAT (2011), Urban OLAP Cube (2009)

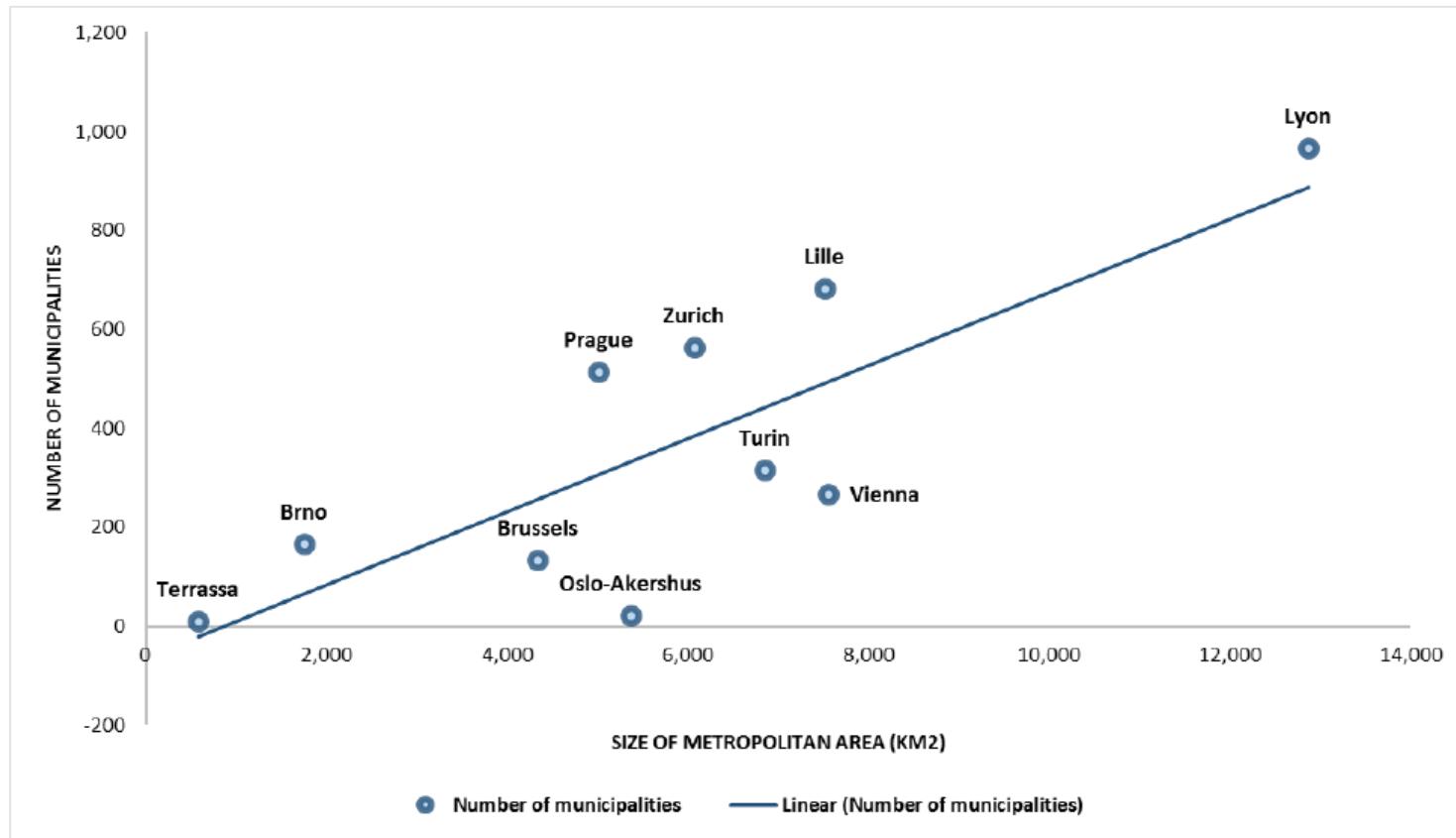
Figure 1.5 Comparative overview relative population change in the MDA in 2000-2011 (%)



Source: EUROSTAT (2011), Urban OLAP Cube (2009)

	1975	1990	2000	2015
Brno	0.50	0.55	0.58	0.63
Terrassa	0.67	0.75	0.78	0.89
Oslo (Minimal)	0.72	0.85	0.97	1.23
Prague	1.34	1.59	1.75	2.13
Turin	2.10	2.17	2.18	2.26
Vienna	2.00	2.19	2.41	2.75
Zürich	2.10	2.30	2.53	3.03
Lyon	2.56	2.82	2.98	3.29
Brussels	2.57	2.74	2.90	3.33
Lille	3.83	3.83	3.80	3.82

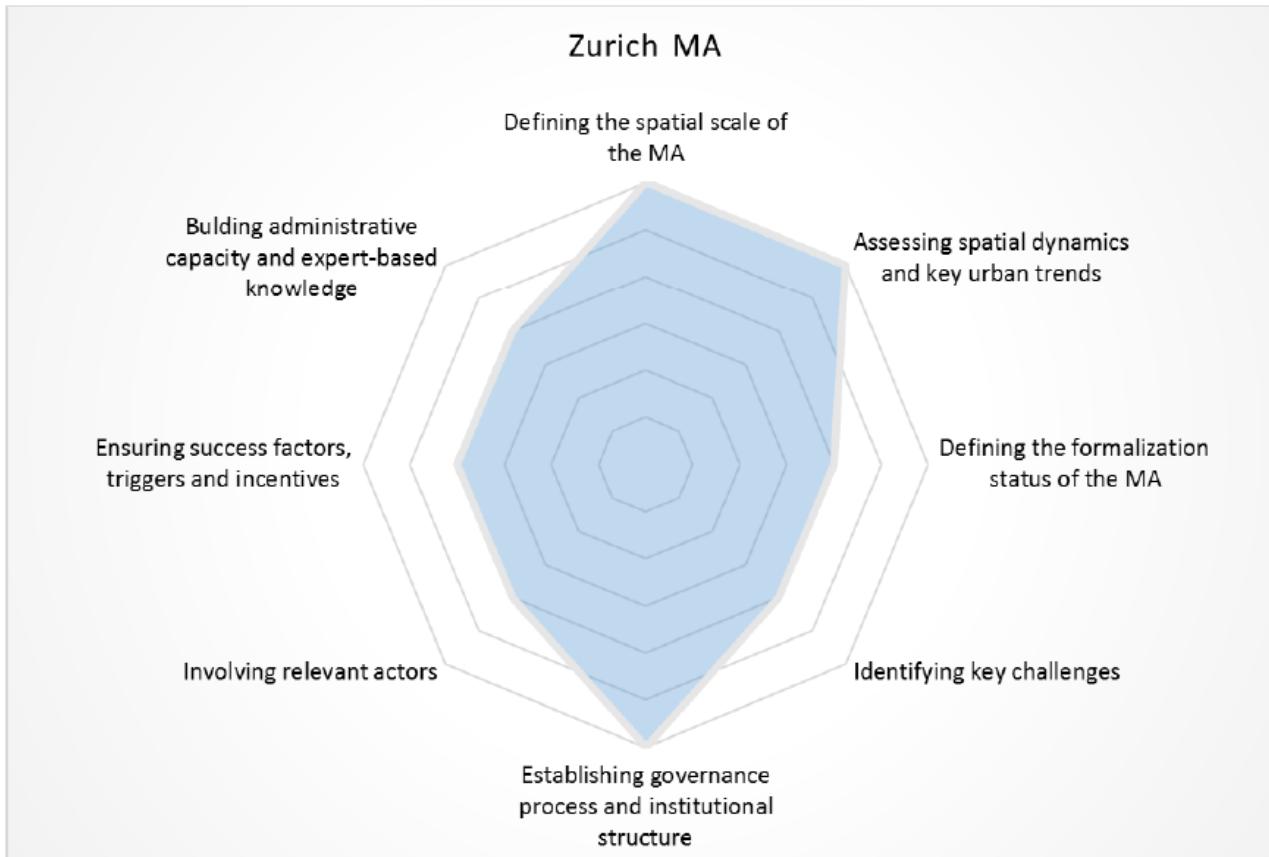
Figure 4.1: Relation between the size of the MDAs and the number of municipalities



Source: authors, based on delineation of the MDA

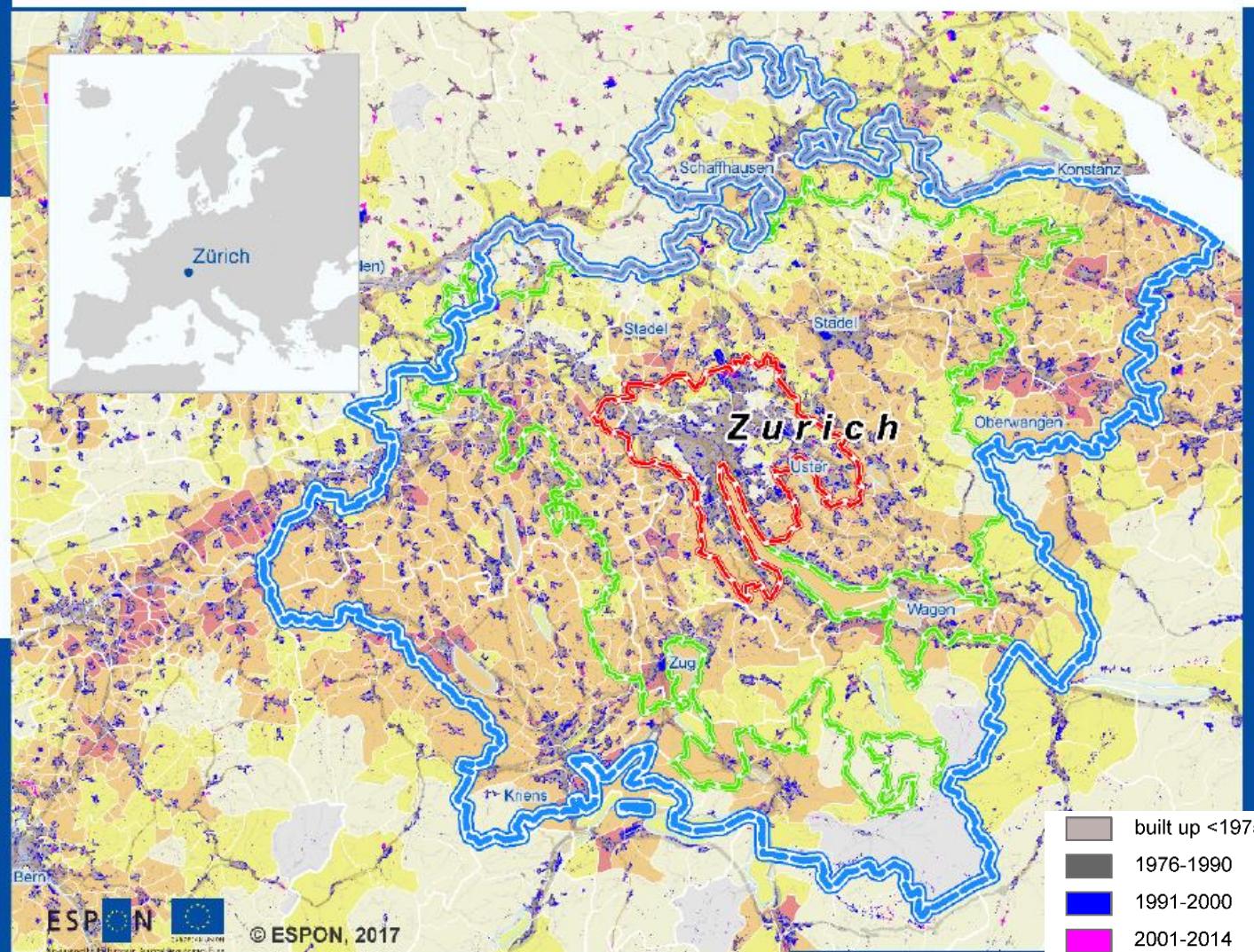
Zurich

Figure 4.2 Progress of Zurich in MPA



Map 2.2 Urban sprawl in Zurich MA (1992-2012). CLC 1990 does not exist for Zürich

Urban Sprawl 1975-2014



Increase in Night Light Intensity 1992 - 2012



Territorial
Source: Geographical information system of the C
© EuroGeographics for the
Ongir



MUA of the core city (ESPON 2013 Database)



Metropolitan Development Area



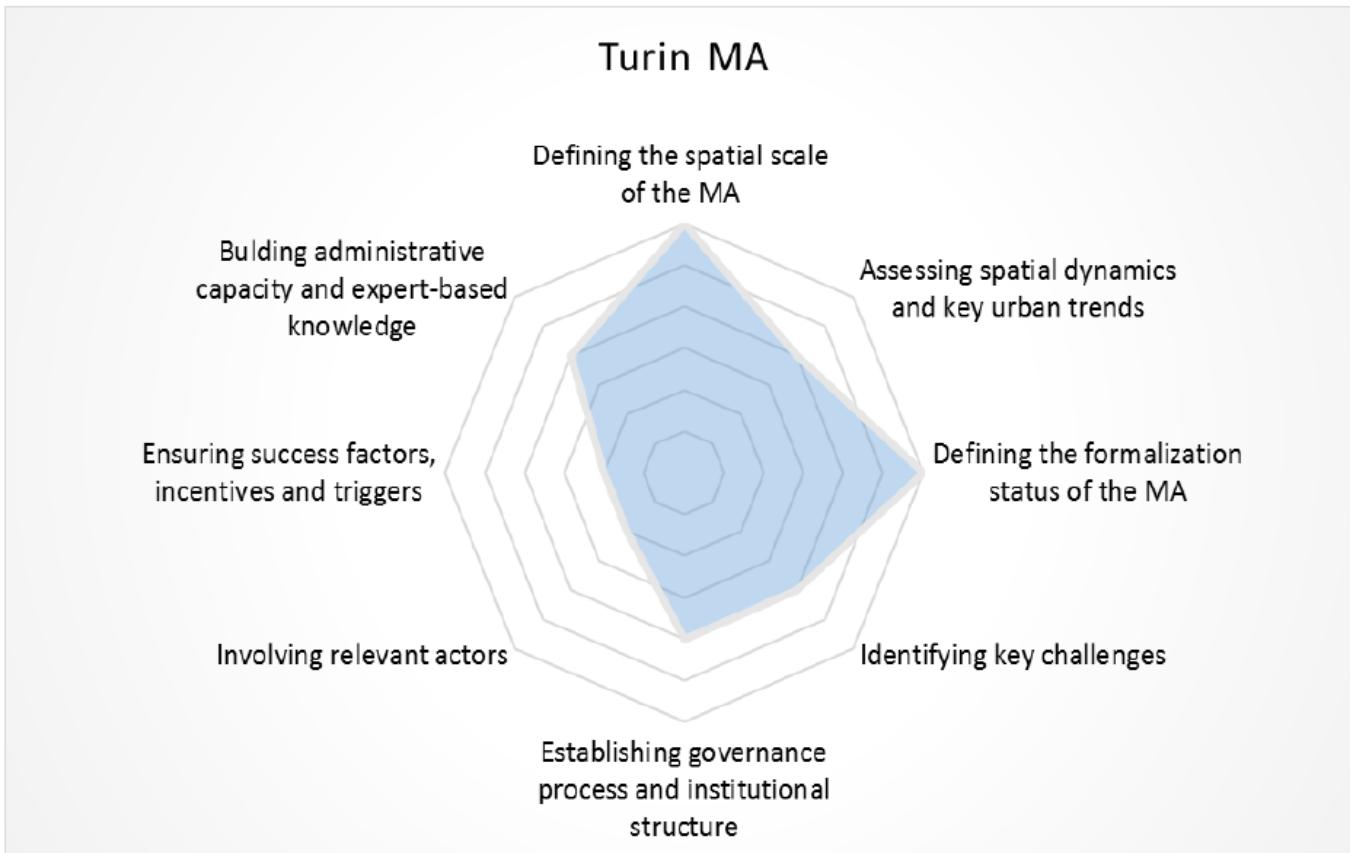
FUA of the core city (ESPON 2013 Database)



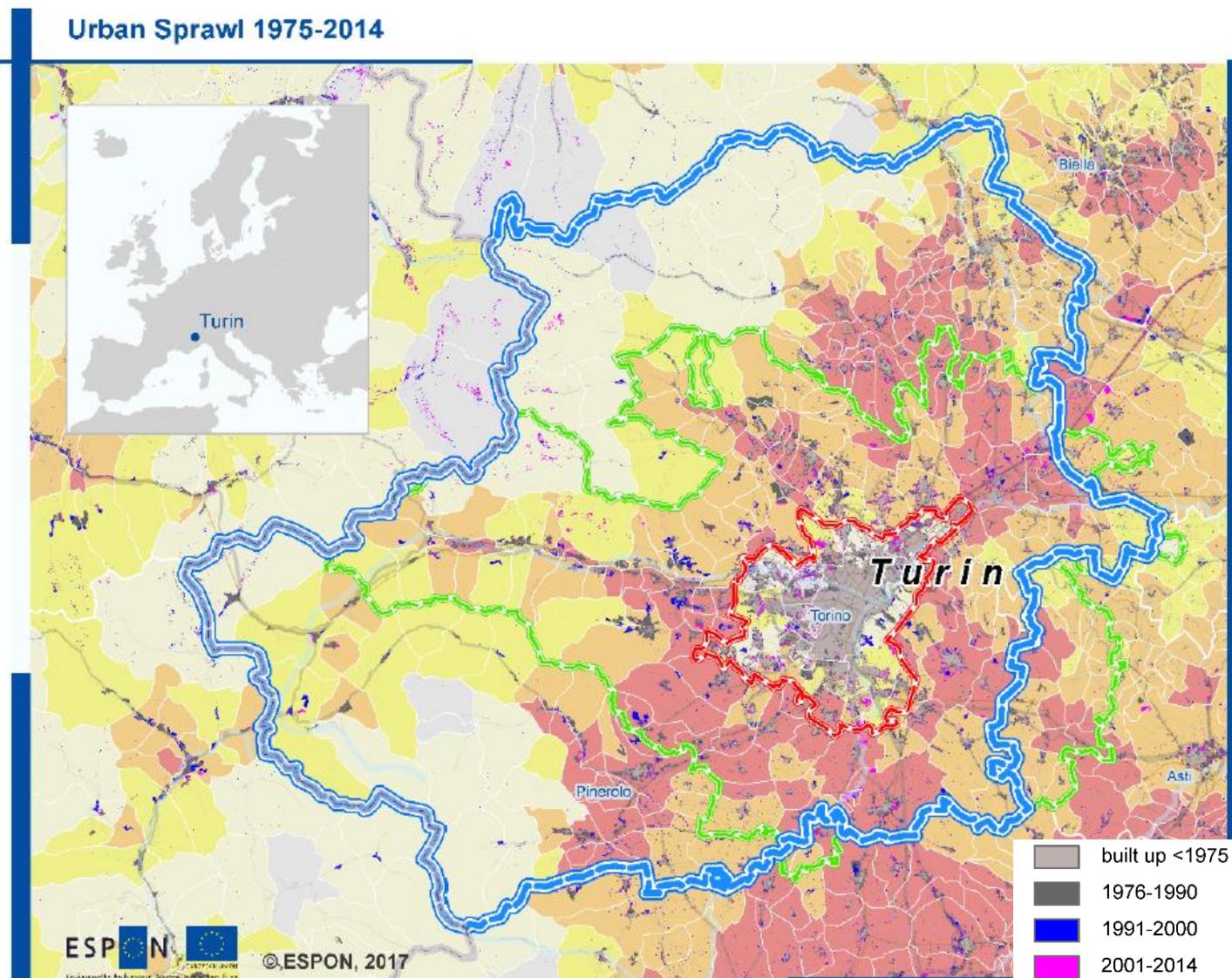
National border

Torino

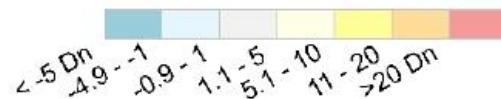
Figure 4.6 Progress of Turin in MPA



Map 2.7 Urban sprawl in Turin MA (1990-2012)



Increase in Night Light Intensity 1992 - 2012

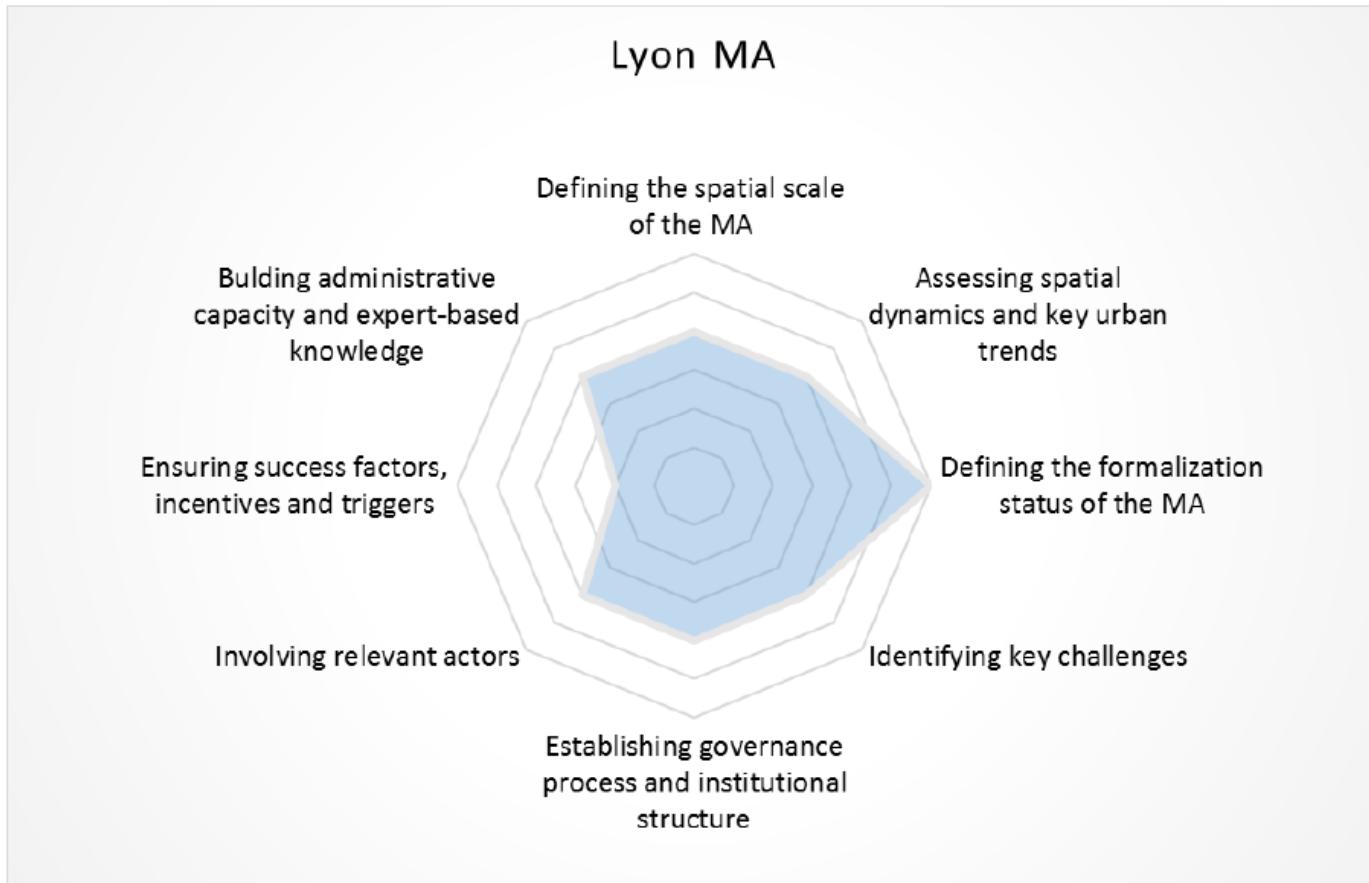


Territory
Source: Geographical information system of the Turin Metropolitan Area
© EuroGeographics for the vector data

- MUA of the core city (ESPON 2013 Database)
- Metropolitan Development Area
- FUA of the core city (ESPON 2013 Database)
- National border

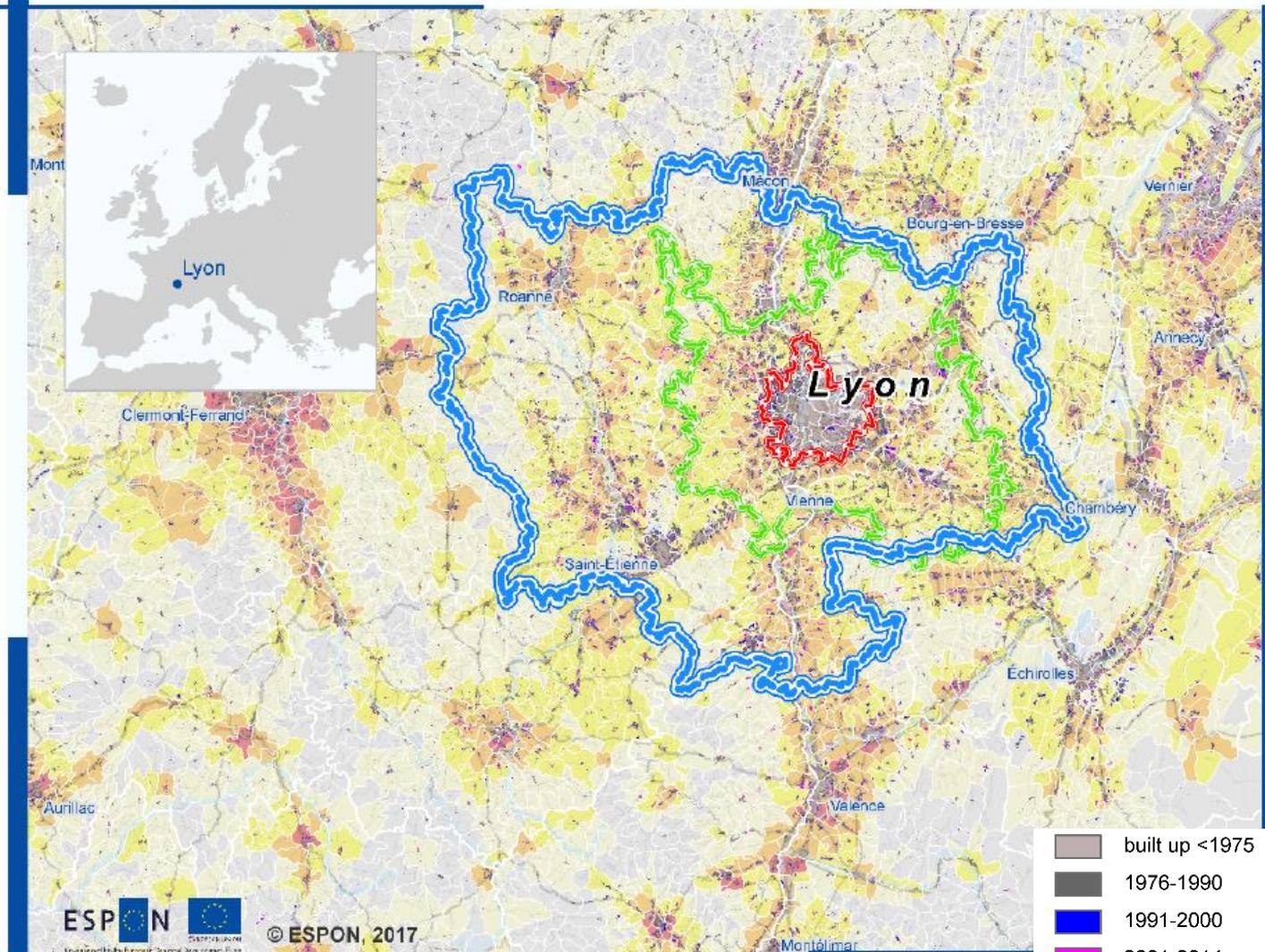
Lyon

Figure 4.10 Progress of Lyon in MPA

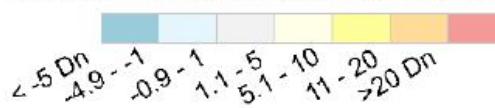


Map 2.10 Urban sprawl in Lyon MA (1990-2012)

Urban Sprawl 1975-2014



Increase in Night Light Intensity 1992 - 2012



Source: Geographical information system of
Terri
© EuroGeographics f



MUA of the core city (ESPON 2013 Database)



Metropolitan Development Area



FUA of the core city (ESPON 2013 Database)



National border

Policy tools – adaptation to context

Knowledge:

Definition, analysis, shared knowledge, challenges

Policy:

Challenges, formalisation, success-factors, triggers and incentives

Administrative conditionality:

Capacity, governance structure, involve stakeholders

