

Orientation: Main Indicators Report

Orientation towards sustainable development

OR.01 Environment

Sustainable District Logistics (SDL) orients logistics towards:

- Reduction of natural resource consumption (energy, soil, water, fuel, etc.)
- Preserving landscape configuration (density of hard infrastructures, etc.)
- Re-utilisation of products
- Recycling of parts of products, semi-products and wastes
- Pollution prevention and reduction
- Diffusion of new clean technologies, eco-efficient means and modes of transport
- Utilisation of renewable sources of energy

Total area Trier (km ²) year	4922	2003
Total area Luxembourg (km ²) year	2586	2003
Total population Trier year	513000	2001
Total population Luxembourg year	439000	2001
Population density (people/km ²) Trier year	104	2001
Population density Luxembourg (people/km ²) year	170,9	2001
Population development Trier (%) years	6	1990-2001
Population development Luxembourg (%) years	15	1990-2001

OR.02 Economy

Sustainable District Logistics (SDL) orients logistics towards efficiency, customer satisfaction and community well-being based on:

- Reduction of the material, energy and transport intensity (flows) in the economy (decoupling) also by means of soft and clean technologies
- Investments for the incorporation and reduction of the environmental and social costs in logistics accounting
- Dematerialisation of economy (durability of goods and services, miniaturisation of products, substitution of products by services)
- Reduction of transport growth and more balanced modal split in favour of rail and water
- Information and Communication Technology to substitute transport (e.g. telecommuting, home-shopping and delivering, teleconferences, teleworking, etc.)

GDP per capita Trier (x1000 €) year	19,7	2000
GDP per capita Luxembourg (x1000 €) year	48,6	2000
Economic share of sector I Trier (%) year	1,3	2001
Economic share of sector I Luxembourg (%) year	0,4	2001
Economic share of sector II Trier (%) year	37,2	2001
Economic share of sector II Luxembourg (%) year	23,7	2001
Economic share of sector III Trier (%) year	61,5	2001
Economic share of sector III Luxembourg (%) year	75,9	2001

OR.03 Socio-Culture

Sustainable District Logistics (SDL) orients logistics towards:

- Promotion of sustainable styles of production and consumption
- Investments in human capital (education and training) especially on sustainable development, logistics, transport, etc.
- Transdisciplinarity for integrated management of logistics and integrating planning
- Investments on innovation (Research & Development)

Life expectancy for men in Trier (in years) year	75,1	2000
Life expectancy for men in Luxembourg (in years) year	74,9	2000/02
Life expectancy for women in Trier (in years) year	81,4	2000
Life expectancy for women in Luxembourg (in years) year	81,0	2000/02
Activity rate Trier (%) year	43,2	2000

Activity rate Luxembourg (%) year	59	2000
Unemployment rate Trier (%) year	6,9	2000
Unemployment rate Luxembourg (%) year	2,6	2000
Dependency rate Trier (%) year	52	2000
Dependency rate Luxembourg (%) year	49	2001
Absolute fertility Trier year	1,39	2000
Absolute fertility Luxembourg year	1,78	2000

OR.04 Equity between individuals

Sustainable District Logistics (SDL) orients logistics towards:

- Improvement of accessibility to goods, services, people and places, developing services that meet the needs of local population, including women, the poor, the rural, the disabled, elderly people, immigrants, ethnic minorities, etc. (equal accessibility)
- Balanced local development
- Health and safety activities
- Reduction of unnecessary and undesirable travels, movement and material flows

Share of total employment women Trier (%) year	43,9	2001
Share of total employment women Luxembourg (%) year	41,2	2002
Share of total employment men Trier (%) year	56,1	2001
Share of total employment men Luxembourg (%) year	58,8	2002
Share of total employment foreigners Trier (%) year	3,5	2001
Share of total employment foreigners Luxembourg (%) year	42,4	2002
Employment rate women Trier (%) year	38,8	2001
Employment rate women Luxembourg (%) year	57,4	2002
Employment rate men Trier (%) year	46,8	2001
Employment rate men Luxembourg (%) year	76,4	2002
Employment rate foreigners Trier (%) year	24,2	2001
Employment rate foreigners Luxembourg (%) year	70,7	2002

OR.05 Equity between territories

Sustainable District Logistics (SDL) orients logistics towards:

- Balanced interlocal development (economic, socio-cultural and environmental)
- Development of fair and solidarity relationships between different local / regional contexts (equal accessibility in trade, economy, socio-culture, environment)
- Balanced alliance between logistics operators of different local areas
- Diffusion of connecting high technology systems (e.g. digital cities, interlocal digital networks)

GDP per capita (EU - 15) (€) year	23.000	2001
GDP per capita Trier (€) year	19.700	2000
GDP per capita Luxembourg (€) year	48.600	2000
Foreign population Trier (%) year	5,2	2001
Foreign population Luxembourg (%) year	38	2003
Export rate Trier (%) year	28,2	2002
Export rate Luxembourg(%) year	73,3	2002
Trade balances between regions: export (Luxembourg) (€) year	9.054 mills.	2002
Trade balances between regions: import (Luxembourg) (€) year	12.204 mills.	2002
Trade balances between regions: export and import (balance) (Luxembourg) (€) year	-3.150 mills.	2002

OR.06 Equity between generations

Sustainable District Logistics (SDL) orients logistics towards:

- Research concerning sustainable logistics scenarios, patterns, methods and technologies
- Education to nourish the ability of future generations to conceive new styles of production and consumption
- Conservation and development of environmental resources
- Strategic impact assessment of the logistics patterns (long-term risks and damaging changes) considering the aspects of the other 9 components on the future generations

Share of population below 18 Trier (%) year	19,7	2000
Share of population below 15 Luxembourg (%) year	18,9	2003
Share of population aged above 65 Trier (%) year	18	2000
Share of population aged above 65 Luxembourg (%) year	14	2003
Dependency rate (percentage of people aged below 15 over people inbetween 15 and 65) Trier (%) year	25	2000
Dependency rate (percentage of people aged below 15 over people inbetween 15 and 65) Luxembourg (%) year	28	2001
Dependency rate (percentage of people aged above 65 over people inbetween 15 and 65) Trier (%) year	27,5	2000
Dependency rate (percentage of people aged above 65 over people inbetween 15 and 65) Luxembourg (%) year	20	20

OR.07 Diversity

Sustainable District Logistics (SDL) orients logistics towards coherence, flexibility, permeability and diffusion of:

- Local identities and fabrics (biodiversity, habitat, socio-cultural heritage, economy vocations, etc.)
- Innovation and development of economic sectors, focused especially on small and medium sized enterprises, income sources both in rural and urban areas, styles of production and consumption (values and ethics)

Share of population with other nationalities Trier (%) year	5,2	2001
Share of population with other nationalities Luxembourg (%) year	38,1	2003
Share of population with other nationalities: European (Luxembourg) (%) year	28,7	2003
Share of population with other nationalities: Other (Luxembourg) (%) year	9,4	2003

OR.08 Subsidiarity

Sustainable District Logistics (SDL) orients logistics towards capacity building (knowledge dissemination and decision-making openness) based on:

- Integration of local and wider (global) dimensions (glocacity)
- Reduction of the spatial range of material flows
- Streamlined organisation of material flows
- Integration of top-down and bottom-up approaches in streamlined organisations (businesses, public administrations and other associations)
- Empowerment of local communities

Local authorities budget Trier (€) year	?	?
Local authorities budget Luxembourg (€) year	6.349,7 mills.	2003
Local authorities budgets (all the municipalities of the province) Trier (€) year	6.349,7 mills.	2003
Local authorities budgets (all the municipalities of the province) Luxembourg (€) year	?	?

OR.09 Networking and Partnership

Sustainable District Logistics (SDL) orients logistics towards:

- Development of regional / local networks of production, distribution and consumption
- Investments in social capital (community glues, intermediary bodies, bridges and networks)
- Networked organisations (e.g. consortia between businesses, co-operation between private, public and social sectors, co-operation between local and metropolitan consortia of transport and logistics)
- Alliances between environmentally friendly transport modes and operators
- Exchange of experiences and good practice of sustainable transport and logistics between different local and regional contexts
- Alliances and collaboration between public authorities and private actors of different local / regional contexts

Total businesses (local units) in all economy sectors (Trier) year	?	?
Total businesses (local units) in all economy sectors (Luxembourg) year	25.545	2003
Total businesses (local units) in industry (Trier) year	?	?
Total businesses (local units) in industry (Luxembourg) year	2.920	2003
Total businesses (local units) in services (Trier) year	?	?

Total businesses (local units) in services (Luxembourg) year	20.072	2003
Businesses (local units) in all transport services (Trier) year	?	?
Businesses (local units) in all transport services (Luxembourg) year	1.420	2003

Participation

Sustainable District Logistics (SDL) orients logistics towards:

- Enlargement of the stakeholders constellation to incorporate in the logistics processes new points of view, cultures, interests and behaviours (e.g. those concerning women, new generations, elderly, disabled, poor people)
- Information, animation and facilitation
- Stakeholders involvement and legitimate acknowledgement in the decision-making processes of spatial planning, transport, logistics, etc.
- Involvement of different agencies (private, public and social) in the management of logistics processes
- Community participatory forms of co-operative management of proximity logistics processes
- Democratic management of the strategic impact assessment of logistics processes