



Luxembourg in the Greater Region:
*Integrated Planning in a Cross-Border
Polycentric Metropolitan Region*

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Ministère de l'Énergie et de
l'Aménagement du territoire

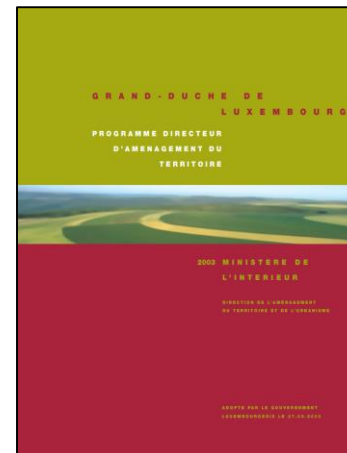
Département de l'aménagement
du territoire



- The cross-border dimension of planning in Luxembourg:
 - *Luxembourg and its borders*
 - *The Master Programme for Spatial Planning (2003)*
- Cross-border planning in the Greater Region:
 - *The Greater Region and its institutions*
 - *The Coordination Committee for Spatial Development (CCDT)*
 - *The Spatial Development Perspective of the Greater Region (SDTGR)*
 - *The Geographic Information System of the Greater Region (SIG-GR)*
- A bilateral initiative of cross-border planning:
 - *LU-FR: EGTC Alzette Belval*



The cross-border dimension of planning in Luxembourg



Luxembourg and its borders (1)



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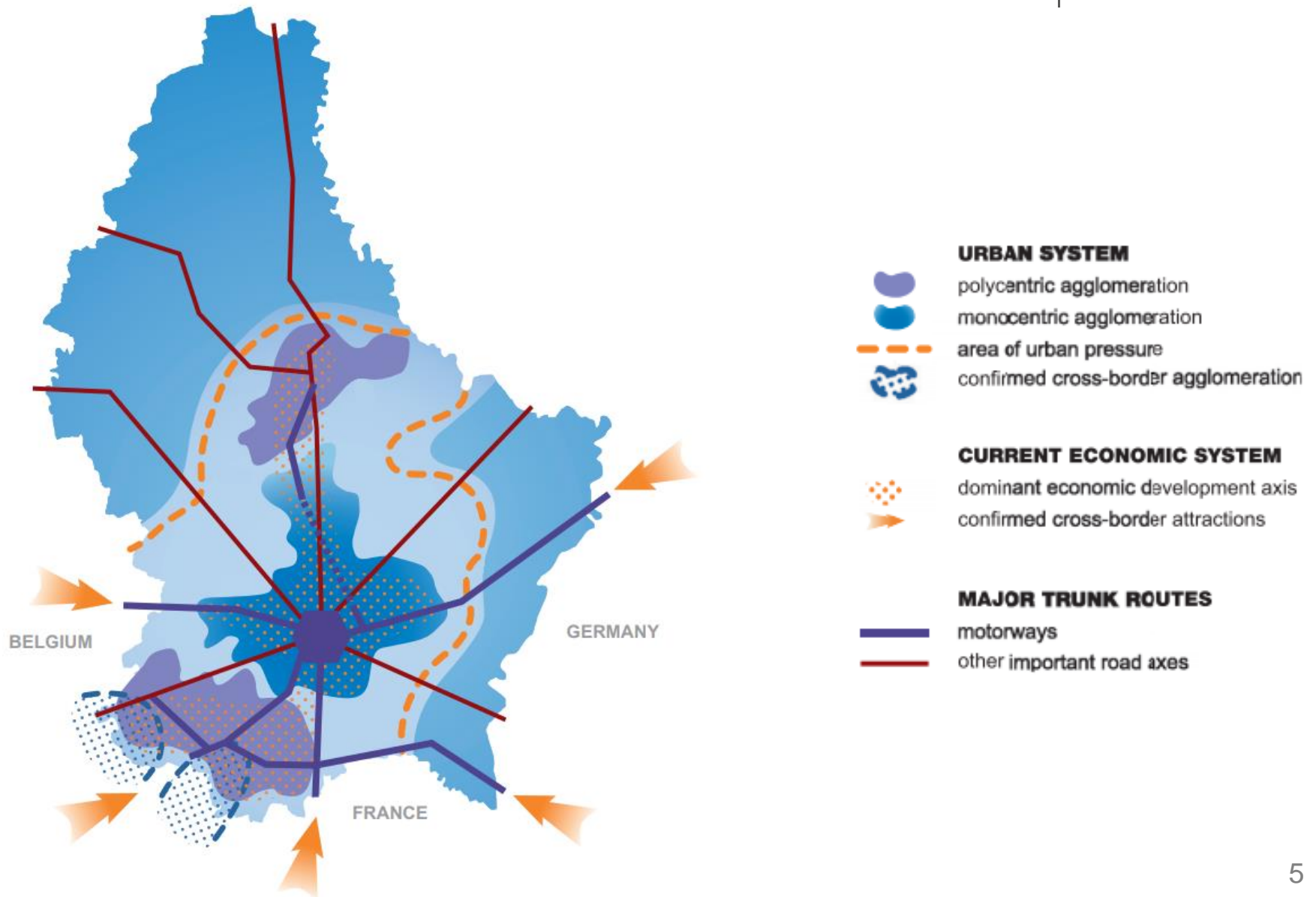
Length of the border

Total length	356 km
with France	73 km
with Germany	135 km
with Belgium	148 km

Luxembourg and its borders (2)



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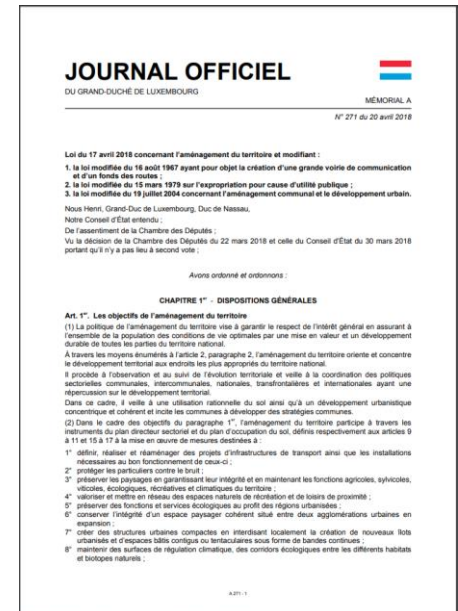




➤ Law of 17 April 2018 on Spatial Planning

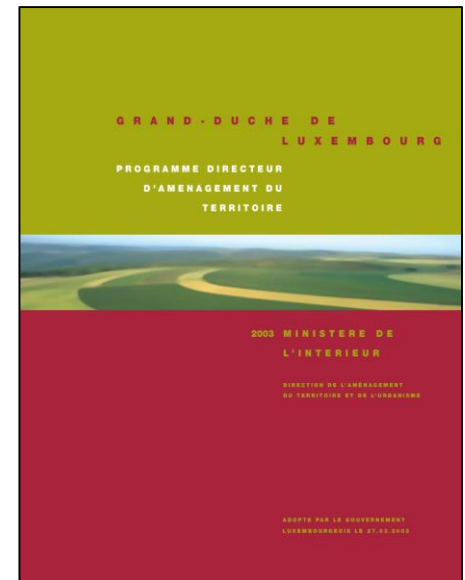
Article 1, Paragraph 1:

[Spatial planning] ensures the coordination of sectoral policies at the municipal, inter-municipal, national, **cross-border** and international level with an impact on the development of the territory.





- The Master Programme for Spatial Planning (PDAT)
 - Current version dates from 2003.
 - Non-binding strategic document that determines the government's general guidelines and priority objectives for the sustainable development of the "living environment".
 - Adopted by government decision.
 - Revision process 2018-2020
- 3 Chapters:
 - I. Basic Elements
 - II. Guidelines and Political Objectives
 - III. Priorities for Sustainable Spatial Development
- Each of the 3 chapters also explores the European and cross-border dimension of the theme.





Chapter I. describes the broad tendencies of development and the operational framework of spatial planning in Luxembourg.

- Sub-chapter I.3. “*Beyond the borders*” explores the international context at three levels:
 - 1) Europe
 - 2) Greater Region Saar-Lor-Lux and Benelux:
 - *Spatial Development Perspective of Saar-Lor-Lux+*
 - *Second Benelux Structural Outline*
 - 3) Cross-border 1994-1999 (and 2000-2006)
 - Interreg II A Wallonia-Lorraine-Luxembourg: *4 cross-border agglomerations*
 - Interreg II A Germany-Luxembourg: *Trinational Nature Park*



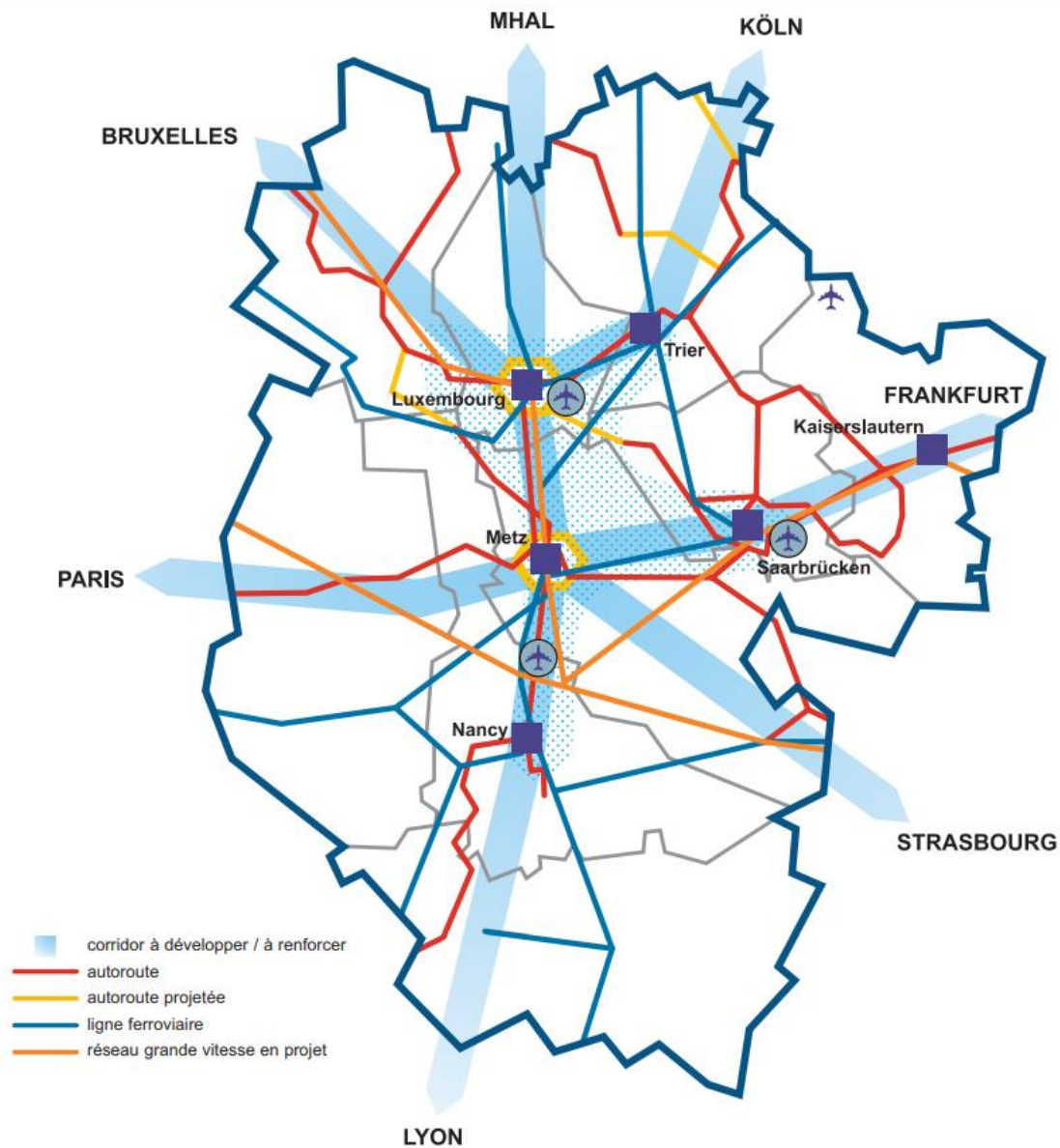
Chapter II. describes the political objectives as well as the general guidelines of spatial planning in Luxembourg.

- Sub-chapter II.3. *“Integration into European Perspectives”* explores how the guidelines and political objectives of the Master Programme can be integrated into the international strategies mentioned in the first chapter, in particular with regards to the following priorities:
 - Polycentric spatial development and new urban-rural relationship
 - Equal access to infrastructure and knowledge
 - Sustainable management of nature and cultural heritage
- References include the European Spatial Development Perspective and the *Spatial Development Perspective of Saar-Lor-Lux+*.

Transport network (Saar-Lor-Lux+)



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Chapter III. describes the 5 intervention areas, support measures, monitoring framework, and communication measures of the Master Programme.

- The fifth intervention area in sub-chapter III.1. deals with the *“Capitalization of European and cross-border initiatives”*:
 - How could the development of an institutional structure for action in the Greater Region strengthen cross-border cooperation?



Cross-border planning in the Greater Region



The Greater Region (1)



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Belgium:

Wallonia and ***Federation of Wallonia-Brussels, German-speaking Community of Belgium***

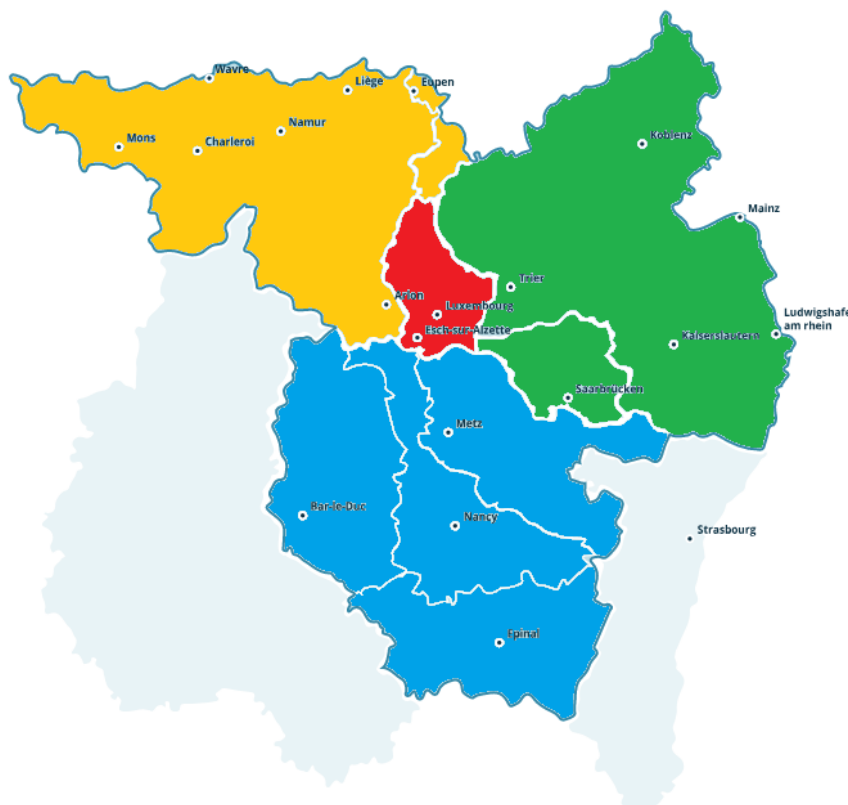
Germany:

Saarland, Rhineland-Palatinate

France:

Lorraine (Departments *Meurthe-et-Moselle, Moselle, Meuse* and *Vosges**) as part of the Region ***Grand Est***

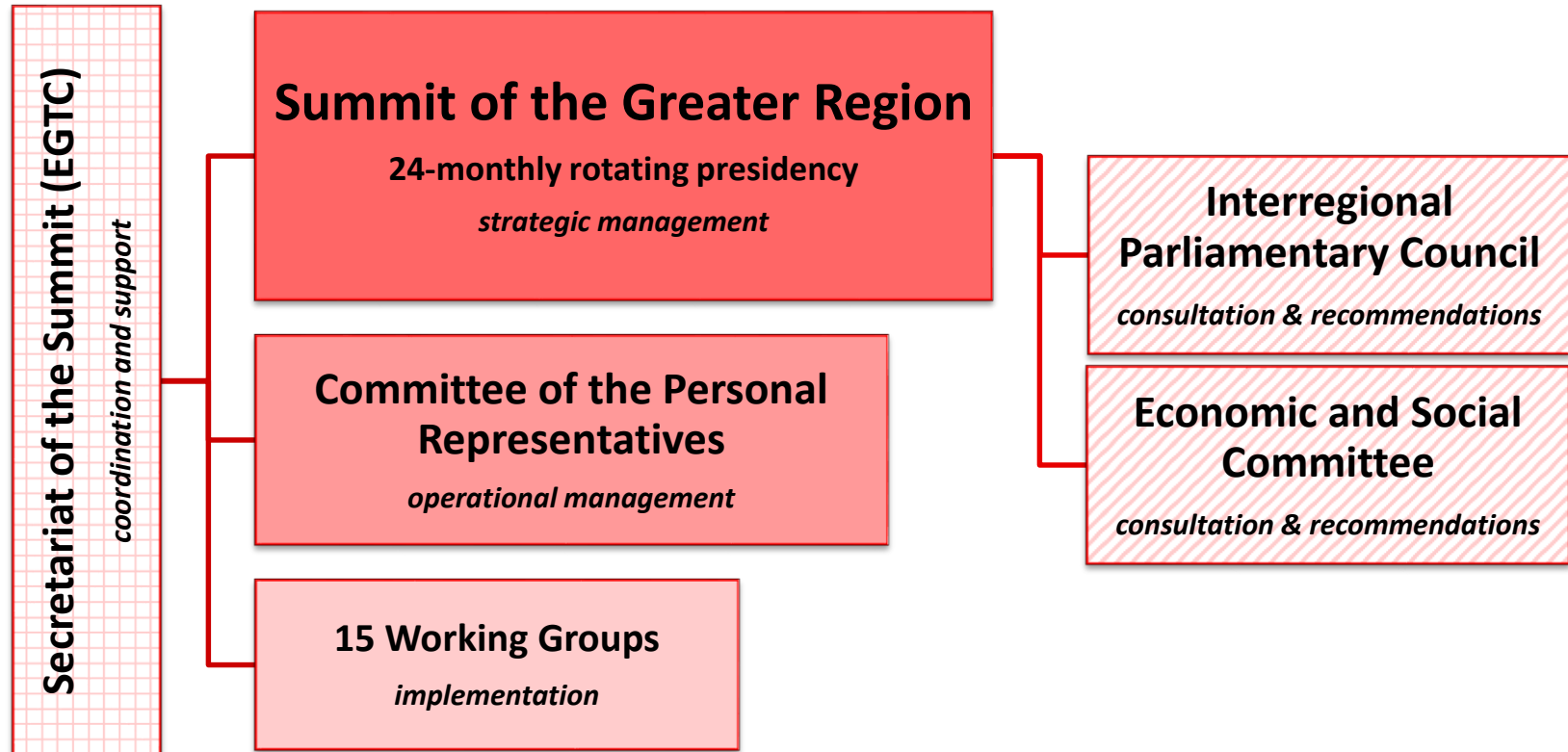
Luxembourg





3 languages – **4** countries – **5** regions – **11*** partners (and **2** observers)

	GR	EU-28	GR as % of EU-28
Surface	65.400 km ²	4.463.600 km ²	1,5%
Population (2016)	11,6 million	510,2 million	2,3%
GDP (2016)	€368 billion	€14.800 billion	2,5%





Luxembourgish Presidency of the 11th Summit of the Greater Region 2008-2009

➤ Joint Declaration of 17th July 2009



➤ Achievements = Institutionalisation?

- *Resolution concerning the mutual information and consultation/concertation in the field of spatial planning and spatial development at the level of the Greater Region.*
- Joint opinion on the European Commission's Green Paper on Territorial Cohesion.
- Guide on the Implementation of the Territorial Agenda and the Leipzig Charter in the Greater Region
- ESPON Project METROBORDER (Cross-Border Polycentric Metropolitan Regions) with stakeholders from CH, DE, FR, BE, LU and the University of Luxembourg as lead partner.
- Establishment of the Geographic Information System of the Greater Region (SIG-GR)
- Establishment of the Coordination Committee for Spatial Development (CCDT)
- Creation of a network of the Nature Parks of the Greater Region



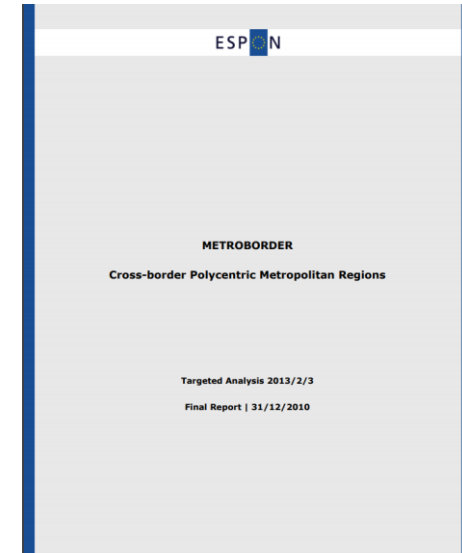
- The Coordination Committee for Spatial Development (CCDT)
 - One of the Summit's 15 Working Groups
 - Established in 2008 and institutionally anchored in 2009 under the Luxembourgish Presidency of the 11th Summit
 - 9 partners (question of planning competences)
 - Technical support from the Secretariat of the Summit
 - Chaired by a representative of the Luxembourgish Ministry of Energy and Spatial Planning (currently: Director-General *Marie-Josée Vidal*)
 - Meets 5-6 times per year

- Objectives:
 - Exchange, coordination, concertation and information regarding spatial planning
 - Preparation of ministerial meetings
 - Development of a **Spatial Development Perspective of the Greater Region** (formal mandate from the Summit)



➤ METROBORDER – Cross-Border Polycentric Metropolitan Regions

- Targeted analysis project of the ESPON 2013 Programme
- January 2009 – December 2010
- Stakeholders: Lead by CH, with DE, FR, Wallonia, LU
- Lead partner: University of Luxembourg



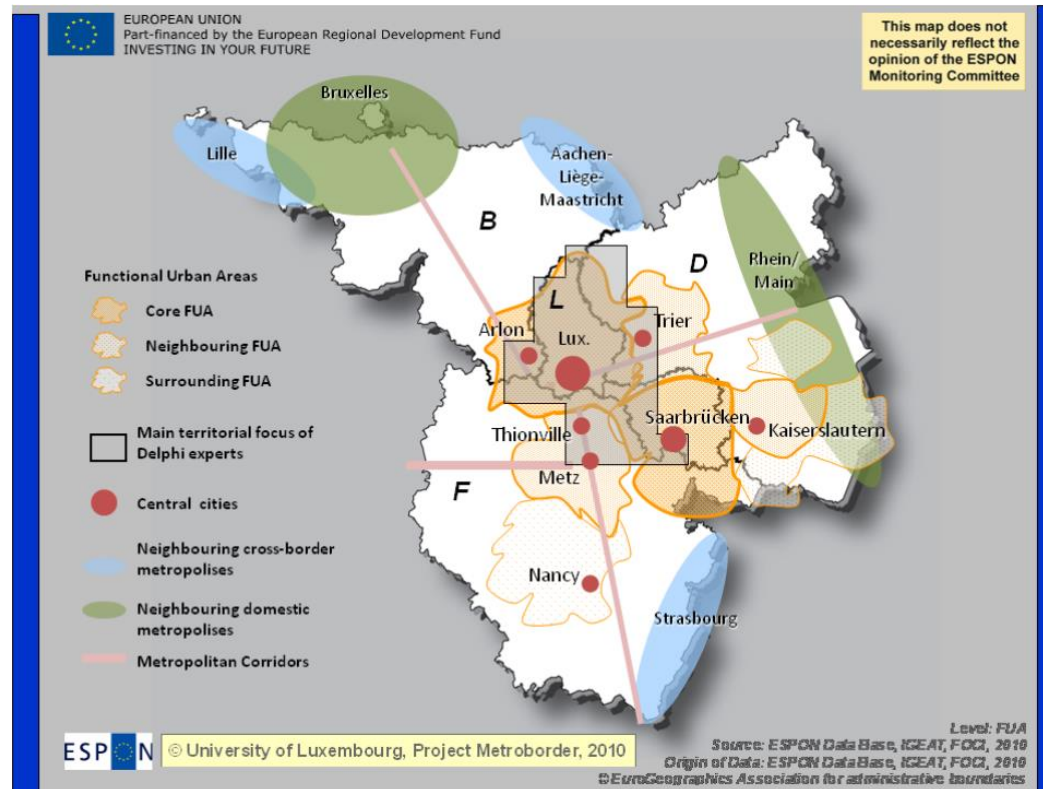
➤ Thematic scope:

- [The METROBORDER Project] addresses cross-border metropolitan regions in Europe in relation to the policy aim of polycentric development.
- It aims at identifying criteria, potentials and governance practices for cross-border polycentric metropolitan regions (CBPMR) in Europe and at proposing options for development strategies towards a multilevel approach for two case study regions: Upper Rhine Region and the Greater Region.



Definition

- The Metroborder project understands CBPMRs as *political constructions based on cross-border agreements* which consider the existence of national borders as a resource for increasing interactions at the local level and based on the embeddedness of the metropolitan centre(s) in global networks.
- Because CBPMRs are composed of *several urban centres* located on either side of a border, these regional political initiatives can mobilise *different geographical scales* in order to utilise the assets and complementarities of the morphological and functional *polycentricity*.
- The aim to further develop the CBPMR is a strategy towards meeting the challenge of '*critical mass*' (considering limited demographic size or economic weight connectivity).



- The Greater Region shows a clear functional, demographic, and morphological polycentricity that is the basis for the overall functioning of the region.
- The extraordinary functional integration in the core zone not only has spill-over effects but also paves the way for the future development potentials.



Interreg Project SDTGR (*Schéma de Développement Territorial de la Grande Région*)

- Duration: 01.01.2018 – 31.12.2021 (4 years)
- Budget: € 1.491.627,41€ (€ 801.263,27 ERDF)
- Specific Objective 8: Strengthen cross-border cooperation in the field of R&D to make the Greater Region a location for research excellence
- 25 partners, with LU Ministry of Energy and Spatial Planning as lead partner





- Objective: Develop a joint **Spatial Development Perspective of the Greater Region** that includes:
 - an analysis of the challenges and opportunities resulting from the socioeconomic development tendencies
 - an operational cross-border strategy
 - recommendations for a more efficient implementation through national, regional and inter-municipal planning documents
 - priority measures and projects for the short, medium and long term
 - ... in the framework of a participatory process

- 4 thematic fields:
 - Demographic development
 - Mobility
 - Economic development, including tourism, education and training
 - Environment, energy and climate



2018

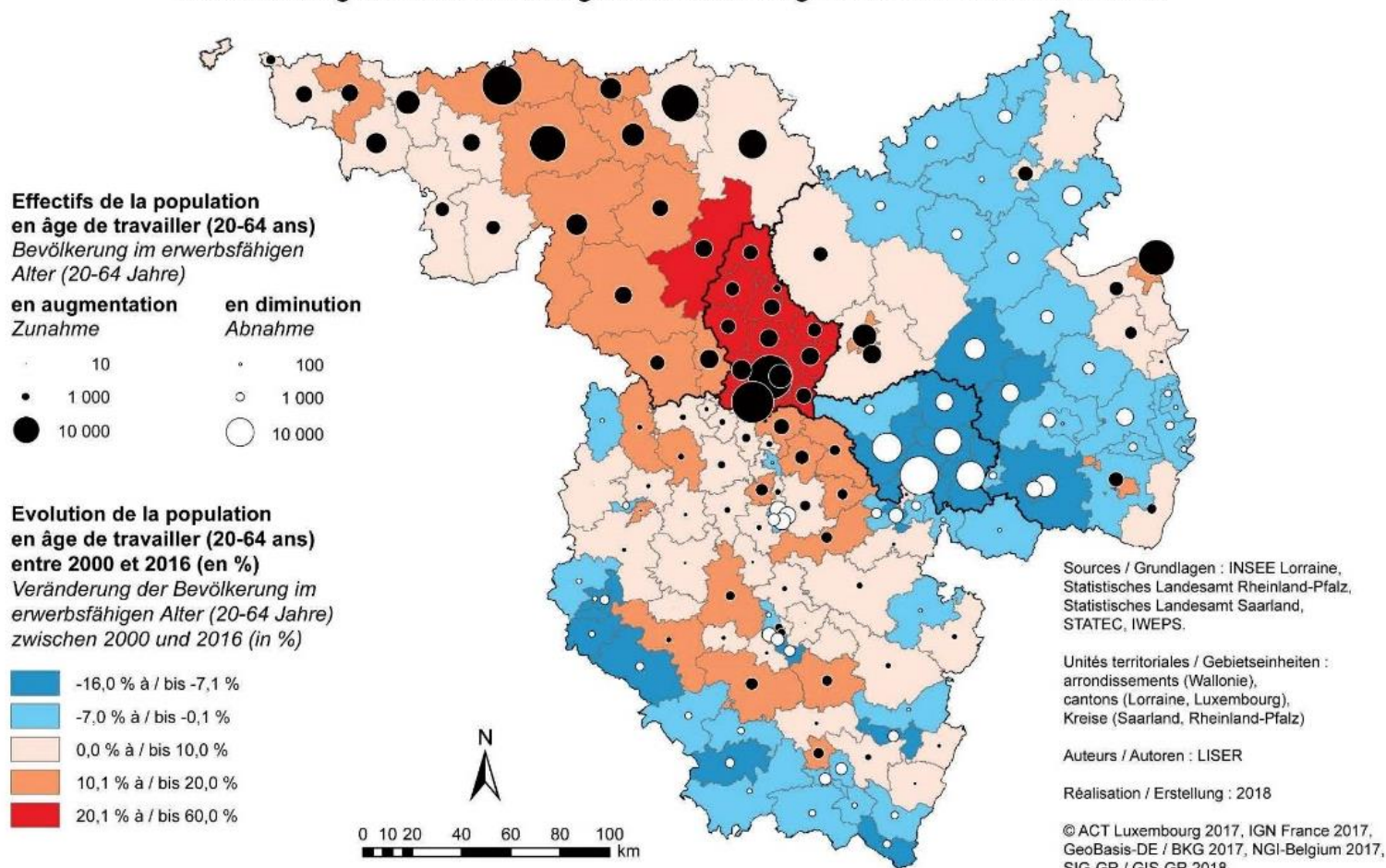
- Development of a common knowledge base and “language”
- 4 thematic reports on the state of the territory of the Greater Region

2019

- Participatory process
- Organisation of a conference on spatial development in the Greater Region with representatives from the various institutions and stakeholders of the Greater Region
- 2 policy labs and 1 workshop




Evolution de la population en âge de travailler entre 2000 et 2016* Veränderung der erwerbsfähigen Bevölkerung zwischen 2000 und 2016*



* Lorraine (1999-2014) - Lothringen (1999-2014)



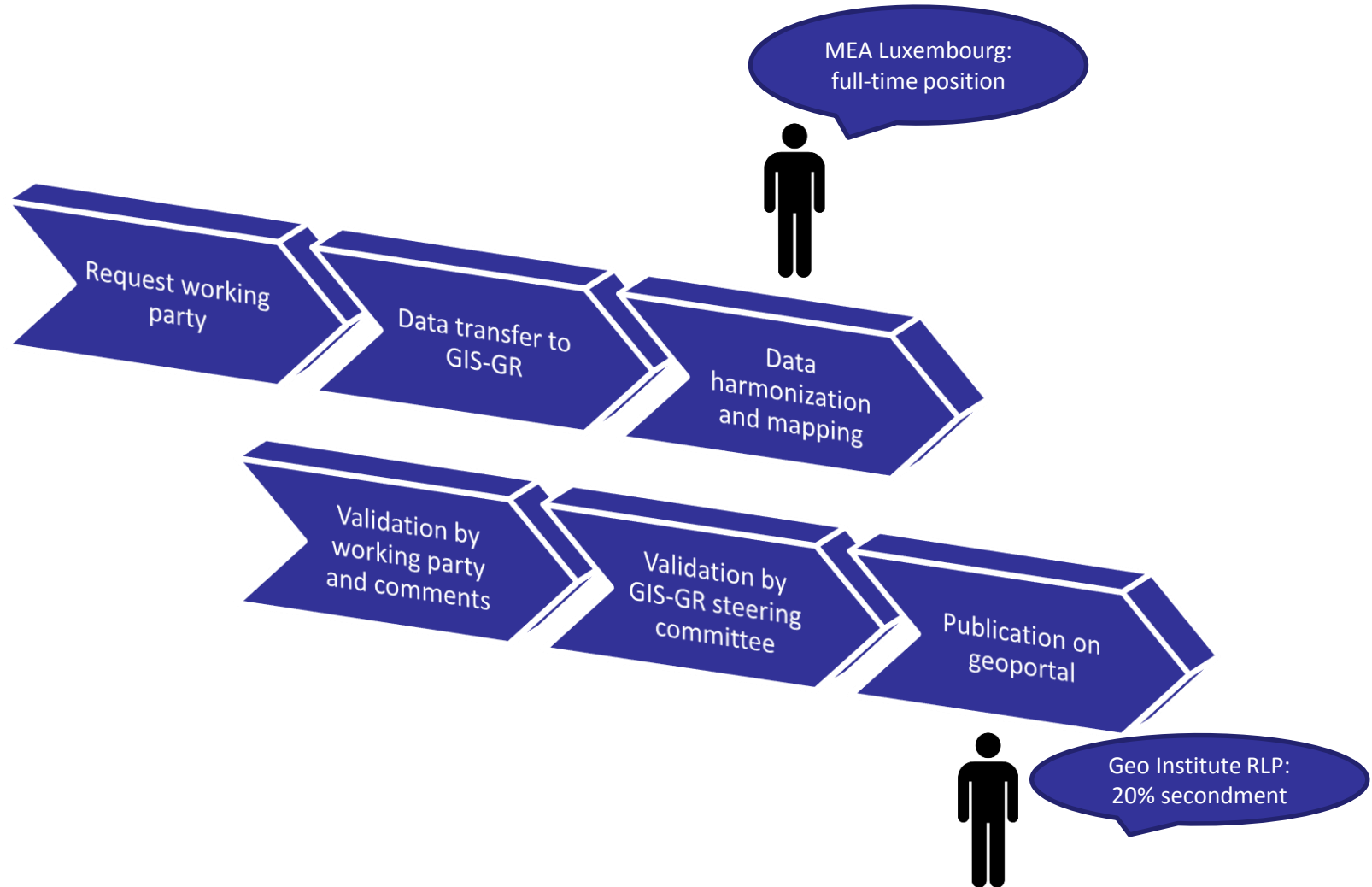
The Geographic Information System of the Greater Region (GIS-GR)

- Established as an Interreg A project from 2010-2013
 - Legal framework:
 - Convention 2014-2018 (€ 125.000 p.a.)
 - Convention 2019-2023 (€ 150.000 p.a.)
 - 14 partners
- 
- Main objective:
 - **Cross-border territorial monitoring:** harmonization of data and production of thematic maps
 - Presentation of maps and data on trilingual **Geoportal of the Greater Region**
 - Supporting the Working Parties of the Summit
 - 13 thematic fields – 35 indicators – 120 maps and analyses

Work process



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Renewable energy in the Greater Region



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Energies renouvelables dans la Grande Région: puissance installée en 2015/2016 Erneuerbare Energien in der Großregion: Installierte Leistung 2015/2016



Puissance installée en MW
Installierte Leistung in MW

500 MW

100 MW

10 MW

Eolien - Windkraft

Hydroélectricité - Wasserkraft

Bioénergie - Bioenergie

Photovoltaïque - Fotovoltaik

Cours d'eau navigable ou canal
schiffbares Gewässer oder Kanal

Communauté germanophone de Belgique
Deutschsprachige Gemeinschaft Belgiens

Arrondissement (WAL), Kreis (RLP, SAR),
district (LUX), Département (Lorraine / Grand Est)

Arrondissement (WAL), Kreis (RLP, SAR),

Distrikt (LUX), Département (Lothringen / Grand Est)

Niveau territorial et statistiques - Territoriale Ebene und Statistiken

Entité Einheit	Niveau territorial Territoriale Ebene	Nombre Anzahl	Puissance électrique installée en MW - Installierte elektrische Leistung in MW							
			Eolien - Windkraft		Hydroélectricité - Wasserkraft		Bioénergétique - Bioenergie		Photovoltaïque - Fotovoltaik	
			MW	Source (Date) - Quelle (Datum)	MW	Source (Date) - Quelle (Datum)	MW	Source (Date) - Quelle (Datum)	MW	Source (Date) - Quelle (Datum)
LOR	Département	4	737	SOeS (12.2015)	77	DREAL (12.2015)	16	DREAL (12.2015) seulement biogaz nur Biogas	205	SOeS (12.2015)
LUX	Distrikt / Distrikt	3	64	ILR (12.2015)	34	ILR (12.2015)	16	ILR (12.2015)	116	ILR (12.2015)
RLP	Landkreis, kreisfreie Stadt	36	2 669	ROK25 SGD NORD (12.2015); ROK25 SGD Süd (10.2015)	224	ROK25 SGD Nord (12.2015); ROK25 SGD Süd (10.2015)	469	ROK25 SGD Nord / SGD Süd (06.2016)	1 574	Energieatlas Rheinland-Pfalz (2015)
SAR	Landkreis	6	283	LUA, Bundesnetz- agentur (08.2016)	18	LUA, Bundesnetz- agentur (08.2016)	12	LUA, Bundesnetz- agentur (08.2016)	406	LUA, Bundesnetz- agentur (08.2016)
WAL	Arrondissement	20	651	SPW (01.2015 provisoire)	119	SPW (01.2015 provisoire)	373	SPW (01.2015 provisoire)	614	SPW (01.2013)
GR	Grande Région / Großregion		4 404		472		887		2 915	

Sources / Grundlagen: © EuroGeographics
EuroRegionalMap v9.1 - 2016; Bundesnetzagentur
2016; DREAL 2016; Energieatlas Rheinland-Pfalz
2016; ILR 2016; LUA Saarland 2016; ROK25
SGD Nord/Süd Rheinland-Pfalz 2015-2016;
SOeS 2016; SPW 2015

Auteurs / Autoren: SIG-GR / GIS-GR

Réalisation / Erstellung: 10.2016





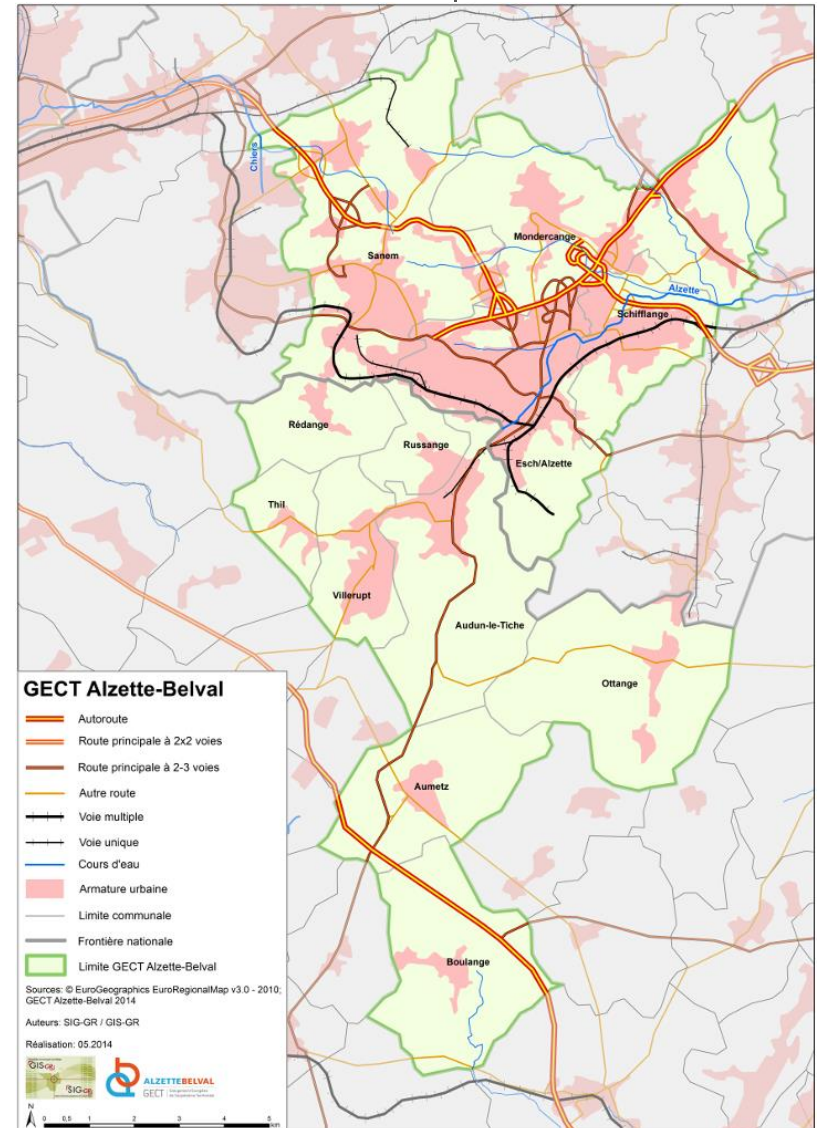
A bilateral initiative of cross-border planning





EGTC Alzette Belval

- Established in 2013
- Partners:
 - The Grand-Duchy of Luxembourg
 - 4 Luxembourgish municipalities
 - The Republic of France
 - 4 French territorial entities
- Objectives:
 - Advance the development of a cross-border agglomeration by facilitating and deepening the cooperation with regards to the sustainable development of the territory across borders
 - Develop a territorial vision
 - Initiate, facilitate and implement projects to translate this territorial vision into reality



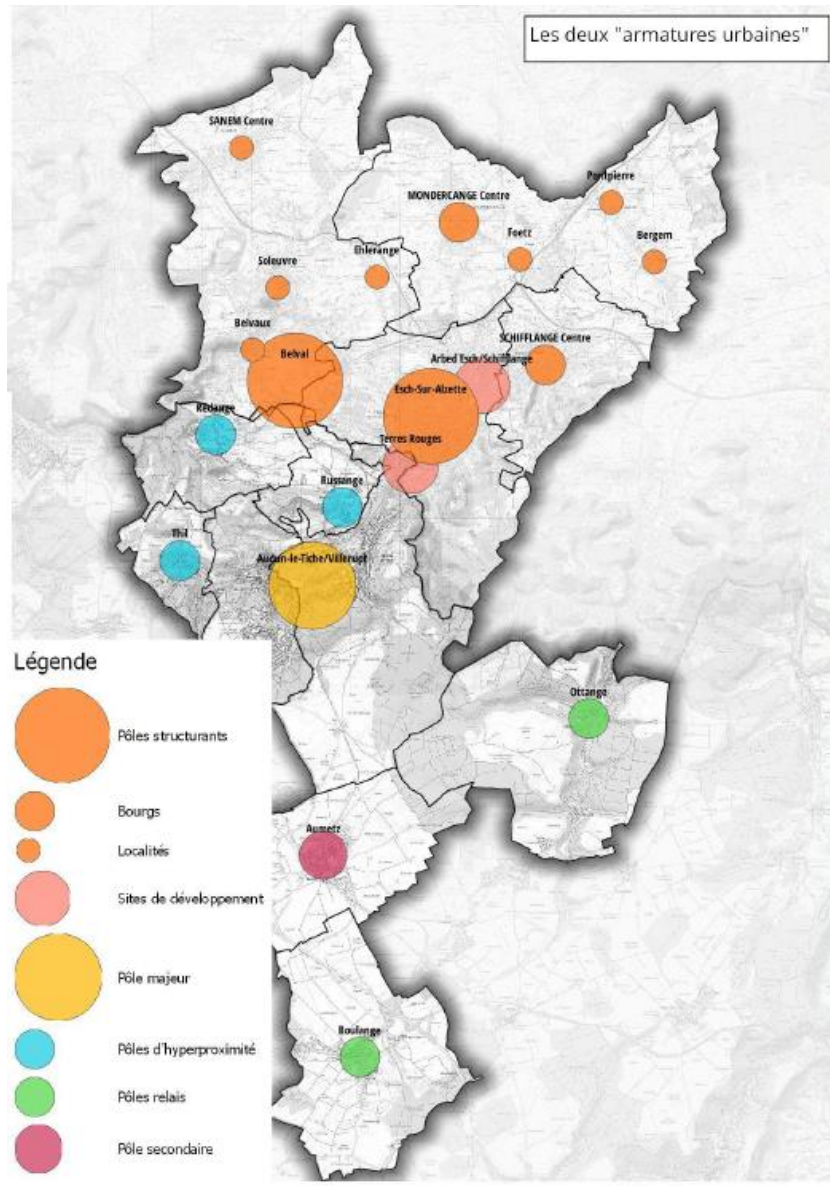


- Integration of planning documents
- Themes:
 - Urban hierarchy
 - Urban development
 - Economic development
 - Environment
 - Mobility
- Steps:
 1. Analysing the relevant planning documents on both sides of the border
 2. Summarising the guidelines and priorities as well as zooming in on specific sites
 3. Developing a synthetic vision per theme and opening the discussion
 4. Developing a strategic vision for the cross-border agglomeration by highlighting the internal spatial dynamics and joint priorities per theme

Integrating different urban hierarchies



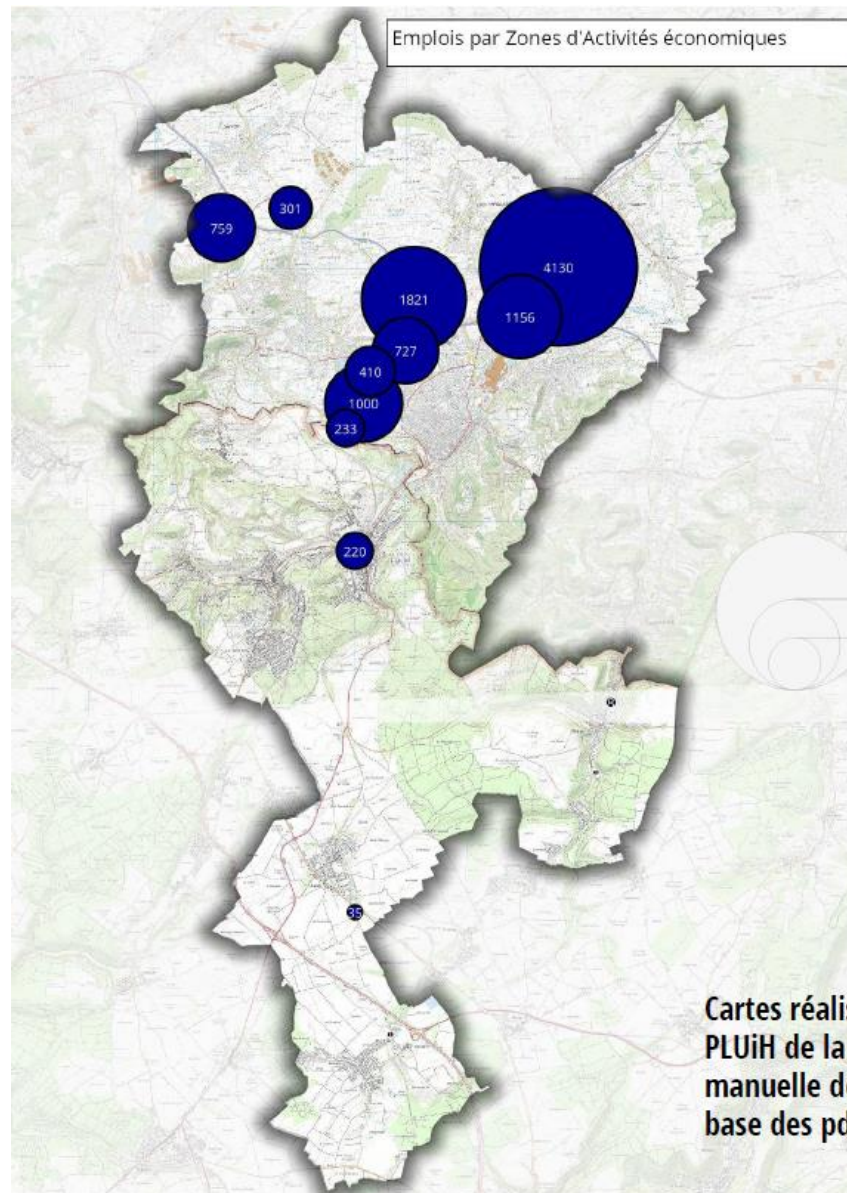
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Challenge of coopetition?



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Conclusions



- Time and commitment
- Institutionalisation
- Innovative instruments: EGTC, ECBM?
- The role of Interreg
- Coopetition and creating win-win outcomes



- [Law of 17 April 2018 on Spatial Planning](#)
- [Master Programme for Spatial Planning \(2003\)](#)
 - [English summary](#)
- [Website of the Greater Region](#)
- [ESPON METROBORDER Project \(2010\)](#)
- [Information on Spatial Development Perspective of the Greater Region](#)
- [Geographic Information System / Geoportal of the Greater Region](#)
- [EGTC Alzette Belval](#)