



Spatial Development Concept of the Greater Region

International consultation
“Luxembourg in Transition”

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LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de l’Énergie et de
l’Aménagement du territoire

Département de l’aménagement
du territoire

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Interreg 
EUROPEAN UNION
Grande Région | Großregion
SDTGR / REKGR

Fonds européen de développement régional | Europäischer Fonds für regionale Entwicklung

INTERREG Project SDTGR / REKGR



- Schéma de Développement Territorial de la Grande Région (SDGTR)
- Raumentwicklungskonzept der Großregion (REKGR)
- Spatial Development Concept of the Greater Region (SDCGR)

Programme: **Interreg VA Greater Region**

Budget : € 1.491.627 (total), € 801.263 (ERDF)

01.01.2018 – 31.12.2021 (4 years)

Actions

1. Project management
2. Communication
3. Constitute a knowledge basis and a common terminology
4. Establish a strategic vision: endow the Greater Region with a common project for the future
5. Identify, develop and carry out priority actions and pilot projects
6. Monitoring

Context

- Political support by the Summit of the Greater Region
- In 2009, the Greater Region hadopted a metropolitan development strategy through the concept of the *cross-border polycentric metropolitan region*.
- Mandate of the Summit to the Territorial Development Coordination Committee (CCDT) for the finalization of the *Spatial Development Concept for the Greater Region*.

The project's goal

Elaborate a joint Spatial Development Concept, through:

- the identification of the challenges and opportunities resulting from the dynamics of socio-economic development in progress,
- the definition of an operational cross-border strategy,
- the proposition of recommendations to ensure a better transposition of this strategy into national, regional and inter-municipal planning documents,
- the identification of priority actions and pilot projects to be carried out in the short, medium and long term.

This is done through a participatory process.

The project's objectives

- Strengthen territorial and social cohesion at the level of the Greater Region.
- Contribute to increasing the attractiveness and competitiveness of the Greater Region.
- Make it possible to orient political decision-making, and consequently the spatial development of the Greater Region.
- Provide a general framework for concrete actions.
- Constitute a reference and decision-making framework for the work of the Summit and its working groups by proposing recommendations for implementation.

Partners



Fonds européen de développement régional | Europäischer Fonds für regionale Entwicklung

- 25 project partners, 9 with a budgetary contribution



- Cooperation with 2 other
INTERREG projects :



Scientific Committee



Actions

3. Constitute a knowledge basis and a common terminology
6. Monitoring

External service provider



Fonds européen de développement régional | Europäischer Fonds für regionale Entwicklung



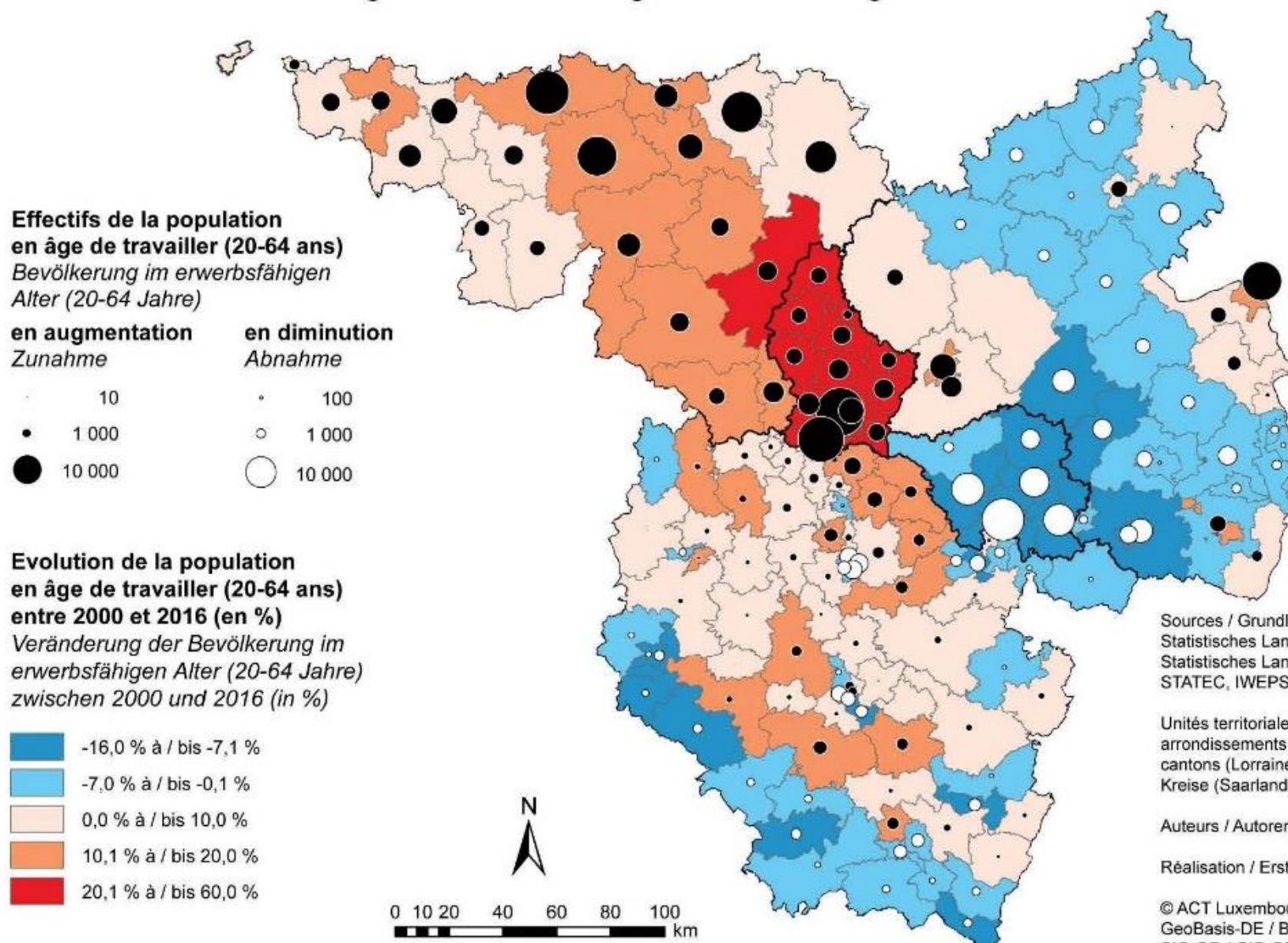
Mostly **action 4** - Establish a strategic vision: endow the Greater Region with a common project for the future

Achievements 2018

- Building a shared knowledge basis
- 4 thematic booklets:
 1. Demographic dynamics and associated territorial needs
 2. Mobility
 3. Economic development
 4. Environment-Energy
- 1 cross-sectional booklet

Evolution de la population en âge de travailler entre 2000 et 2016*

Veränderung der erwerbsfähigen Bevölkerung zwischen 2000 und 2016*



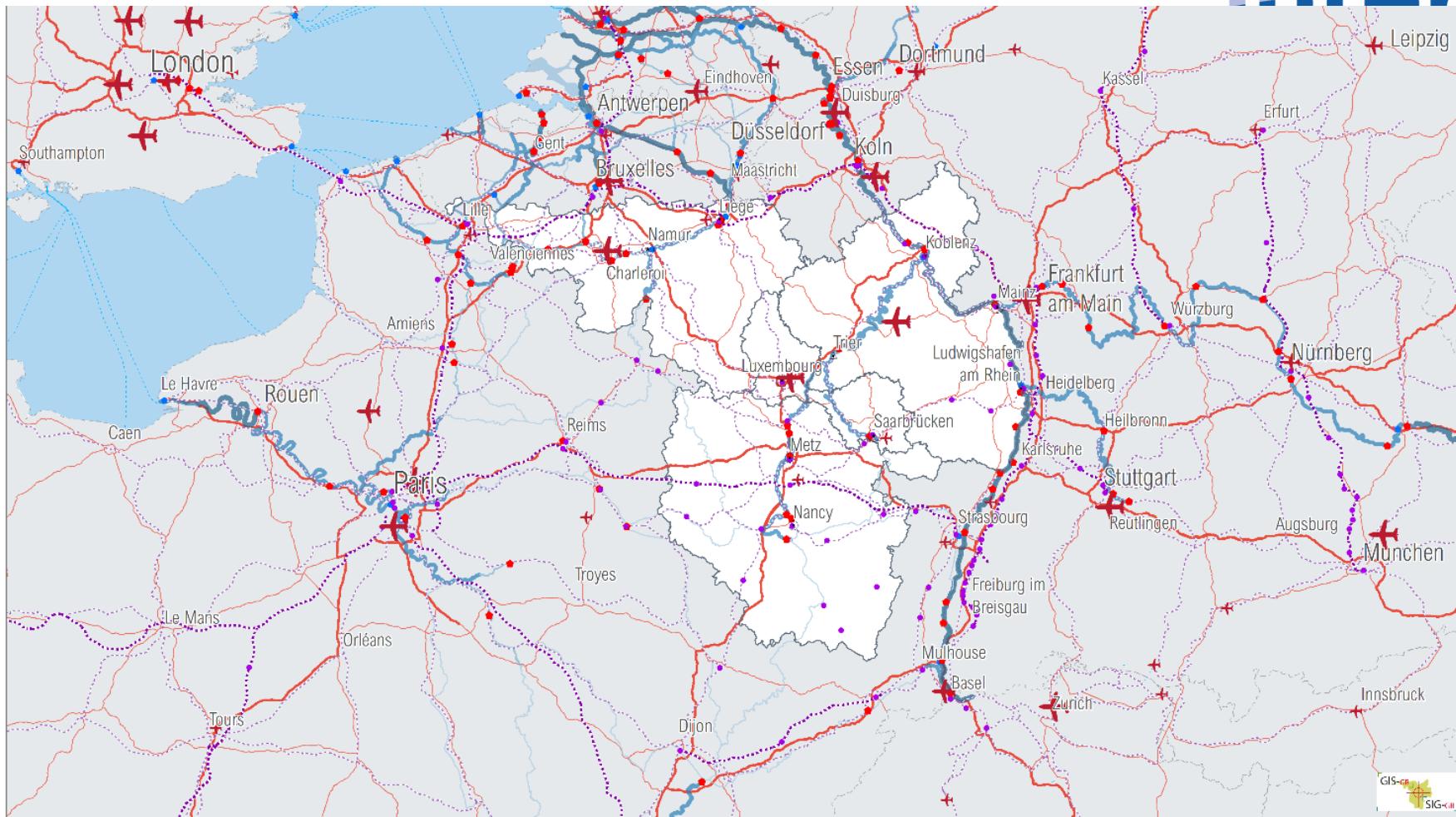
Sources / Grundlagen : INSEE Lorraine,
Statistisches Landesamt Rheinland-Pfalz,
Statistisches Landesamt Saarland,
STATEC, IWEPS.

Unités territoriales / Gebietseinheiten :
arrondissements (Wallonie),
cantons (Lorraine, Luxembourg),
Kreise (Saarland, Rheinland-Pfalz)

Auteurs / Autoren : LISER

Réalisation / Erstellung : 2018

© ACT Luxembourg 2017, IGN France 2017,
GeoBasis-DE / BKG 2017, NGI-Belgium 2017,
SIG-GR / GIS-GR 2018



Infrastructures de transports à l'échelle suprarégionale de la Grande Région / Verkehrsinfrastruktur auf überregionaler Ebene der Großregion

Aéroports/Flughäfen (1.000 voyageurs/reisende)

- 10 - 500
- 501 - 1.000
- 1 001 - 2 000
- > 2 000

Voies navigables/ Binnenwasserstraßen (Classification CEMI/ECM1 Klassifizierung)

- I - (250 - 400 T)
- II - (400 - 650 T)
- III - (650 - 1.000 T)
- IV - (1.000 - 1.500 T)
- V - (1.500 - 6.000 T)
- VI - (6.000 - 12.000 T)

Liaisons maritimes / Seeverkehrsverbindungen

Réseau ferroviaire/Schienennetz

- Arrêts / Haltepunkte TGV ICE Thalys Eurostar
- Ligne à grande vitesse (LGV) / Hochgeschwindigkeitsstrecken
- Ligne ferroviaire / Eisenbahnstrecke TENtec

Réseau routier/Straßenennetz

- TENtec - Routes principales / Hauptachsen
- TENtec - Routes secondaires / Sekundäre Achsen

Frontières administratives / Verwaltungsgrenzen

Mers et océans / Meere und Ozeane

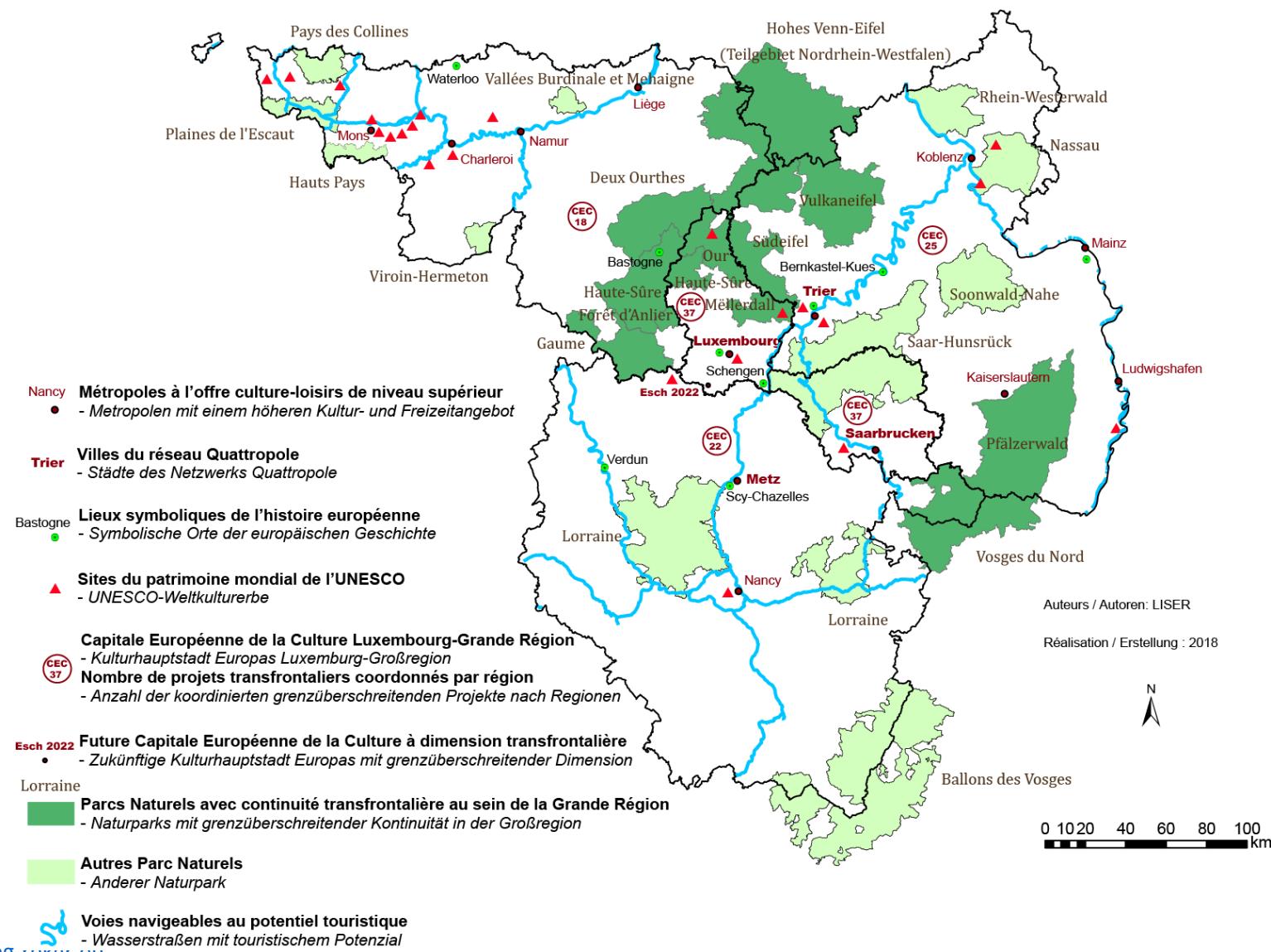
Plateformes multimodales/Multimodale Plattformen

- Ports / Häfen TENtec
- Fluviale-route-ferroviaire / Fluss-Straße-Schiene

Sources/Quellen : GISCO 2017
SIG-GR / GIS-GR 2017
European Environment Agency - 2012
OSM-2017
European Commission 2017
EUROSTAT 2018

Auteur/Autor : CREAT-UCL 2018
Date/Datum : 10/01/2019

Attractivité touristique dans la Grande Région - Touristische Attraktivität in der Großregion



Puissance de production d'électricité renouvelable Erzeugungskapazität für Strom aus erneuerbaren Energien

Puissance instalée Installierte Leistung

MW

-  270
-  Photovoltaïque/Fotovoltaik
-  Biomasse/Biomasse
-  Eolien/Windkraft
-  Hydraulique/Wasserkraft

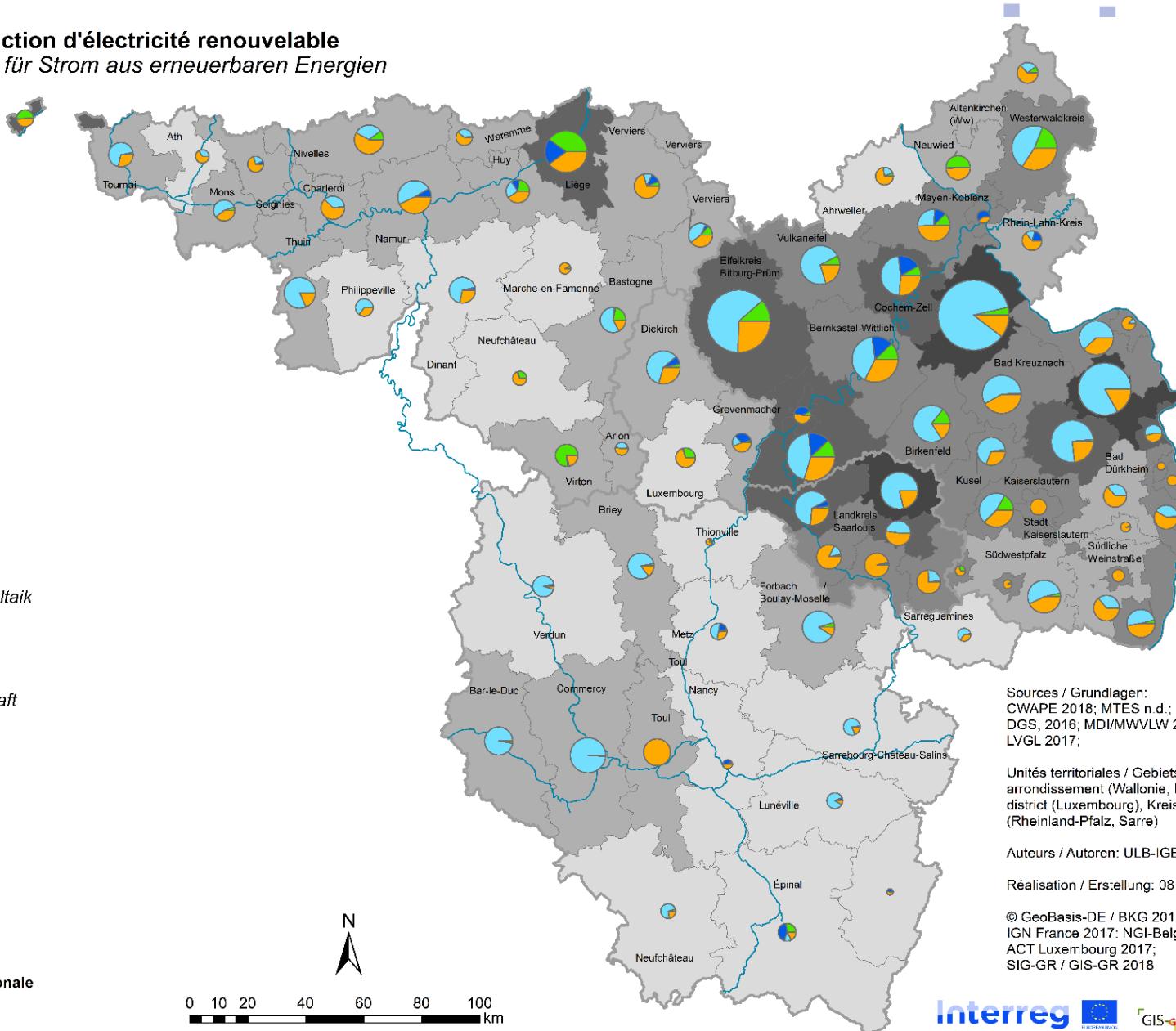
Mw/km²

-  0.0057 - 0.0702
-  0.0703 - 0.1845
-  0.1846 - 0.3331
-  0.3332 - 0.4601
-  0.4602 - 0.8260

 Cours d'eau
Gewässer

 Frontière nationale/régionale
Staats-/Landesgrenze

0 10 20 40 60 80 100 km



Sources / Grundlagen:
CWAPE 2018; MTES n.d.; ILR n.d.;
DGS, 2016; MDI/MWVLW 2018;
LVGL 2017;

Unités territoriales / Gebietseinheiten :
arrondissement (Wallonie, Lorraine),
district (Luxembourg), Kreise
(Rheinland-Pfalz, Saar)

Auteurs / Autoren: ULB-IGEAT

Réalisation / Erstellung: 08.2018

© GeoBasis-DE / BKG 2017;
IGN France 2017: NGI-Belgium 2017;
ACT Luxembourg 2017;
SIG-GR / GIS-GR 2018

Achievements 2019

- Organisation of two Policy Labs and one Workshop « Appropriation of spatial development issues by stakeholders in the Greater Region » (14th May 2019 in Arlon, Belgium)
- Outlines of the prospective vision for 2040 and the strategic component of the Spatial Development Concept for the Greater Region

Achievements 2020 (1)

16.01.2020 : Ministerial meeting Spatial Planning of the GR : Validation of the **prospective vision**

- **Five objectives:**

- A Greater Region that is more competitive and innovative, through its knowledge and complementarities;
- A quality of life and well-being at the height of the transitions (climatic, ecological, energy, demographic, socio-economic, digital, food) aiming at real social and territorial cohesion;
- A cross-border and shared labor market, based on common training channels;
- Polycentric metropolitan development based on low-carbon mobility and connectivity;
- A long-term guidance and coordination framework that is part of a multi-level logic.

- **three levels of territorial cross-border cooperation**

- The Greater Region as a whole;
- The central metropolitan area around Luxembourg;
- Local cross-border territories.

Achievements 2020 (2)

- 04.03.2020 (Sarrebruck, Germany): Participatory workshops with stakeholders of the Greater Region on the strategy and projects
- Avril-May 2020 : Call for project ideas - 33 ideas received
- 18.06.2020: Intermediate Summit of the Greater Region: **validation of the prospective vision**
- *In the process of being finalized:* participatory process with a view to consolidate the strategic component with 4 proposed axes:
 1. Anticipate, support, guide transitions to be able to act on the management of resources.
 2. Increase services, populations and activities in endogenous and exogenous ways.
 3. Develop low-carbon and resilient rural and urban areas.
 4. Developing together the projects and structures of the territory by involving more citizens.

Next steps

2020

- Consolidation and validation of the strategic component
- Preparation of the monitoring
- Selection of priority actions and pilot projects

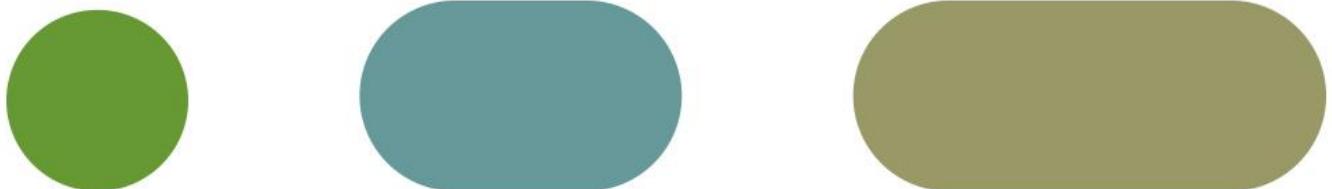
2021

- Finalization of the Spatial Development Concept for the Greater Region

LUXEMBOURG IN TRANSITION



VISIONS TERRITORIALES POUR LE FUTUR
DÉCARBONÉ ET RÉSILIENT D'UN
ESPACE TRANSFRONTALIER



IMAGINING OUR CROSS-BORDER TERRITORY IN **2050**

THE MAJOR ISSUES AT STAKE FOR SPATIAL PLANNING

1) Defining a **territorial vision** that contributes to

- to the reduction of our ecological footprint, which means
 - Achieving the objective of **zero carbon emissions by 2050** and holding the increase in global average temperature at below 1,5°C
 - Achieving the objective of ***no net land take* by 2050**

An international consultation

- in the framework of revising the Master Programme for Spatial Planning (PDAT) and its process of public participation (2017-2018)
- in keeping with the Rifkin Report, the strategic study of the Third Industrial Revolution in Luxembourg
- in relation with the Green Deal of the European Union
- in line with the National Energy and Climate Plan 2030 (PNEC) and developing a zero carbon strategy 2050
- in accordance with the 17 Sustainable Development Goals of the 2030 Agenda of the United Nations

THE INTERNATIONAL CONSULTATION AND THE NEW MASTER PROGRAMME FOR SPATIAL PLANNING (PDAT)

The Master Programme for Spatial Planning (PDAT) defines an integrated strategy for sector policies having a territorial impact and states the political objectives for a sustainable development of the territory.

- The coalition agreement of the government 2018-2023 stipulates the elaboration of a new PDAT based on two time horizons: 2035 and 2050.
 - Horizon 2035 : defines the short- to medium-term objectives and strategies. This section is developed by the Department of Spatial Planning in close collaboration with sector policies.
 - Horizon 2050 : determines the long-term orientation of spatial planning.

Through the results of the international consultation “Luxembourg in Transition”, the government will define its own strategy for implementing the ecological transitions in the framework of spatial development policy.

LUXEMBOURG IN TRANSITION

A LABORATORY, A PILOT CASE

The urban-architectural and landscape consultation

- aims at bringing together the strategic proposals of spatial planning and producing scenarios for the ecological transition, with a time horizon of 2050, of Luxembourg and its cross-border functional territories, i.e. its cross-border metropolitan area
 - addresses practitioners, universities, technical colleges and research institutes with expertise in the areas of spatial planning, urban planning, landscape planning or architecture, with the support of environmental studies, the social sciences and the humanities.
 - encourages the formation of multi-disciplinary teams with different backgrounds who will work in parallel during three stages until December 2021.
 - is a call for ideas for desirable futures and concrete actions in order to
 - accompany the measures taken by decision-makers in the years to come and
 - reinforce the acceptance of citizens for the collective project of profoundly transforming their lifestyle.

THE BODIES OF THE INTERNATIONAL CONSULTATION

SCIENTIFIC COMMITTEE with 15 eminent scientists and practitioners

THE BODIES OF THE INTERNATIONAL CONSULTATION

**CONSULTATIVE COMMITTEE with important
(cross-)sectoral stakeholders as well as
representatives from the partner authorities in the
Greater Region**

THE BODIES OF THE INTERNATIONAL CONSULTATION

INTERMINISTERIAL COMMITTEE with representatives from the relevant sector ministries

THE BODIES OF THE INTERNATIONAL CONSULTATION

CITIZEN COMMITTEE representing all the facets of society in Luxembourg

Starting in mid-January 2021, a Citizen Committee (*Birgercomité Lëtzebuerg 2050*) will accompany the work of the consultation.

Consisting of 30 people who are representative of the Luxembourgish society, living in Luxembourg and its cross-border functional territories, it will

- participate in the discussions of the consultation and
- follow a series of conferences and talks, which are specifically organised for this consultation and will deal with the different aspects of the topic

Its missions :

- provide feedback to the teams in the framework of their work
- develop their own proposals to address the challenges faced by spatial planning in Luxembourg, which will be integrated in the final presentation of the consultation
- accompany the elaboration of the new PDAT

CALL FOR APPLICATIONS

THE 10 TEAMS SELECTED

THE CALL FOR APPLICATIONS

- 16 June 2020 – 31 August 2020
- under the form of a public procurement procedure (open European procedure)
- that was published on the « Portail luxembourgeois des marchés publics » and the European portal TED

THE APPLICATIONS

30 international and multi-disciplinary teams submitted an application

THE 4 STAGES OF THE ASSESSMENT PROCEDURE

- Stage 1 **Scientific assessment by the Scientific Committee**
 - Stage 2 **Qualitative opinion by the Consultative Committee**
 - Stage 3 **Consideration of the assessment and opinion by the Interministerial Committee**
 - Stage 4 **Decision by the contracting authority (Department of Spatial Planning)**

The 10 teams selected (in alphabetical order)

Tracer la voie d'un futur décarboné, résilient et désirable pour le Luxembourg

AREP Ville SAS * France ♦ Sorbonne Université France ♦ TAKTYK Sàrl France ♦ Mobil'homme Sàrl Suisse ♦
QUATTROLIBRI EURL France

Métaboliser les réseaux du territoire

AWP, Agence de reconfiguration territoriale * France ♦ ONE Architecture États-Unis / Pays-Bas ♦ Arcadis Pays-Bas ♦ TU Delft
Pays-Bas ♦ Harvard University GSD, Department of Landscape Architecture États-Unis ♦ TU Graz, Institute for Urban
Development Autriche ♦ ITAR, École Nationale Supérieure d'Architecture de Versailles France

LUXEUROPE 2050 - Le Grand-Duché en transition

Interland Sàrl * France ♦ Carbone 4 SAS France ♦ Auxilia asbl France ♦ ESAJ, École d'enseignement supérieur de paysage
France

The 10 teams selected (*in alphabetical order*)

Se développer au-delà des frontières & fermer la boucle

KCAP Architects&Planners GmbH * Suisse ♦ Arup Deutschland GmbH Allemagne ♦ Cabane Partner Urbane Strategien und Entwicklung GmbH Suisse

The Luxembourg region as the most liveable, responsible and sustainable in Europe

MVRDV B.V. * Pays-Bas ♦ Goudappel Coffeng Pays-Bas ♦ Transsolar Inc. États-Unis ♦ H+N+S B.V. Pays-Bas ♦ Deltares Pays-Bas ♦ DRIFT B.V. Pays-Bas ♦ University of Twente, ITC Faculty Pays-Bas

Energyscapes

Raum404 GmbH * Suisse ♦ Topos Suisse ♦ BASE paysage Sàrl France ♦ Basler & Hofmann West AG Suisse ♦ Drees & Sommer GmbH Suisse ♦ Novascopia Sàrl France

* en qualité de co-contractant principal de l'association momentanée telle que définie par l'offre

The 10 teams selected (*in alphabetical order*)

Une vision pour le Luxembourg - EUROPE, TERRE.

Studio Paola Viganò * Italie ♦ EPF Lausanne, Habitat Research Center Suisse ♦ UCL, Université Catholique de Louvain Belgique ♦ Metabolism of Cities Belgique ♦ IDEA Strategische & Economische Consulting NV Belgique ♦ Serge Ecker Luxembourg

Infrastructures biorégionales : matières, circuits, coalitions

TVK architecte et urbaniste Sàrl * France ♦ **Partie Prenante SASU** France ♦ **Soline Nivet Architecture SASU** France ♦
Université Gustave Eiffel France ♦ **SOL & CO** France ♦ **Justinien Triblion** Royaume-Uni ♦ Université Grenoble Alpes, Institut de
Géographie Alpine France ♦ **Institut National de l’Économie Circulaire** France

* en qualité de co-contractant principal de l'association momentanée telle que définie par l'offre

The 10 teams selected (*in alphabetical order*)

Luxembourg 2050 - Prospects for a Regenerative City-Landscape

Université du Luxembourg * Luxembourg ♦ LIST, Luxembourg Institute of Science and Technology Luxembourg ♦ CELL, Centre for Ecological Learning Luxembourg Luxembourg ♦ IBLA, Institut fir Biologësch Landwirtschaft an Agrarkultur asbl Luxembourg ♦ OLM, Office for Landscape Morphology Co. Ltd. France

Caring for soil : Reimagining a territory while empowering the collective

2001 Sàrl * Luxembourg ♦ 51N4E bvba Belgique ♦ LOLA Pays-Bas ♦ Sytematica Italie ♦ Transsolar SAS France ♦ Endeavour Belgique ♦ ETH Zürich Suisse ♦ TU Kaiserslautern Allemagne ♦ Yellow Ball Luxembourg ♦ Waltersdorfer Gregor Luxembourg ♦ Maxime Delvaux Belgique ♦ Office for Cities France

* en qualité de co-contractant principal de l'association momentanée telle que définie par l'offre

CALENDAR OF THE PROCESS JUNE 2020 – DECEMBER 2021

NEXT STEPS

PRELIMINARY PHASE

16.06.2020 – 31.08.2020

CALL FOR APPLICATIONS

FIRST STAGE

16.10.2020 – 22.01.2021

THE METHODOLOGICAL FRAMEWORK FOR THE TRANSITION PROJECT

SECOND STAGE

01.02.2021 – 04.06.2021

THE TRANSITION PROJECT ADAPTED TO THE CROSS-BORDER FUNCTIONAL REGION

THIRD STAGE

14.06.2021 – 24.12.2021

THE TRANSITION PROJECT STAGGERED AND BROKEN DOWN INTO PILOT PROJECTS

#luxembourgintransition

@lux_transition



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