

Annexes

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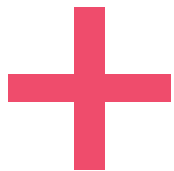
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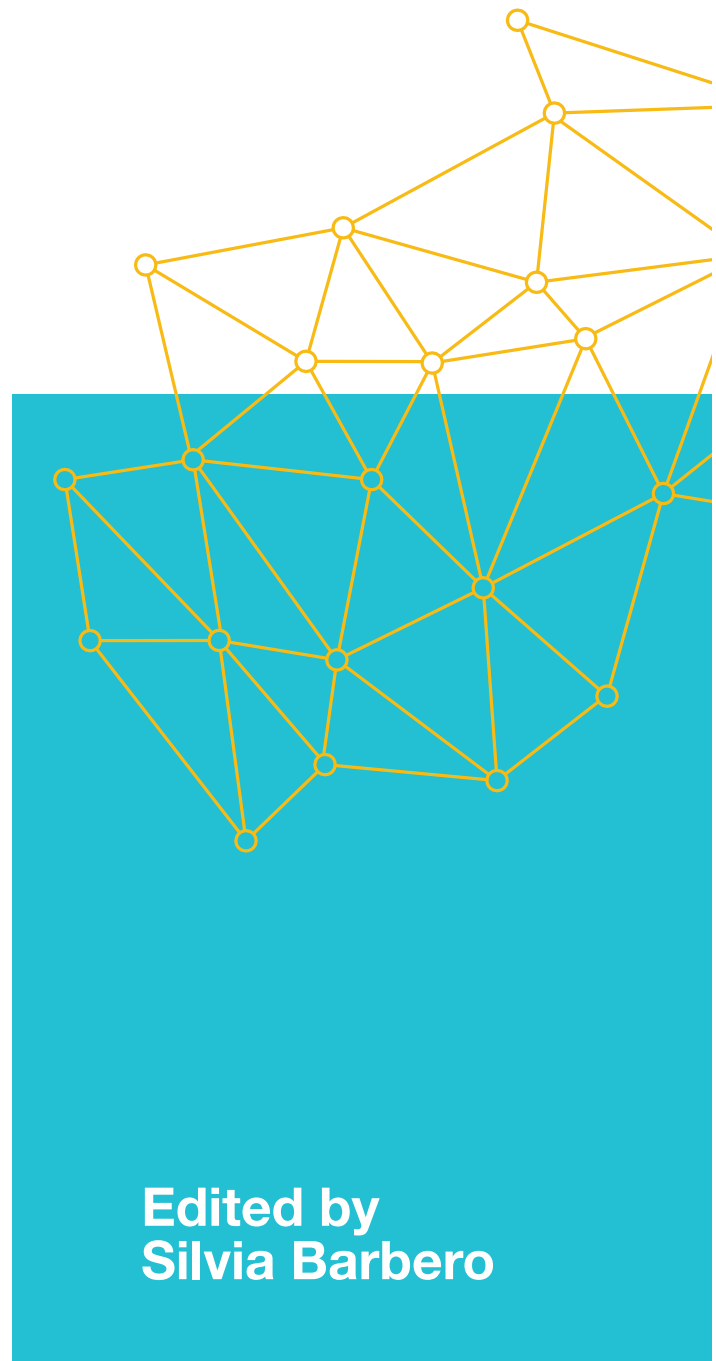
retrace



Systemic Design Method Guide for Policymaking:

A Circular Europe
on the Way

volume 1



Edited by
Silvia Barbero

Allemandi



SYSTEMIC DESIGN
METHOD GUIDE
FOR POLICYMAKING
A Circular Europe on the Way

EDITED BY
SILVIA BARBERO

Allemandi

SYSTEMIC DESIGN METHOD GUIDE FOR POLICYMAKING: A CIRCULAR EUROPE ON THE WAY

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Azaro Foundation (Spain)

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Higher School of Advanced Industrial Technology / ESTIA (France)

Association for Environment and Safety in Aquitaine / APESA (France)

Government Office for Development and European Cohesion Policy (Slovenia)

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Annexes

Italy

PIEDMONT



TOTAL AREA: **2.538.700 ha**

2010

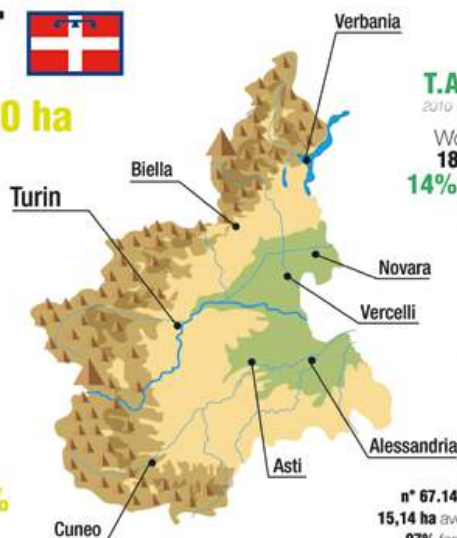


Mountains **43,3%**

Hills **30,3%**

Flat area **26,4%**

Artificial area: **183.082 ha 7%**



geography

T.A.A. (Total Agricultural Area): **1.299.007 ha**

2010

51%

Woods area **181.850 ha**
14%

Not used area **78.000 ha**
6%

Arboriculture **26.000 ha**
2%

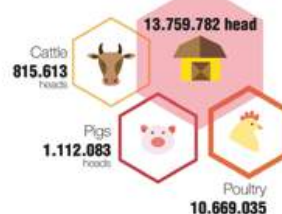
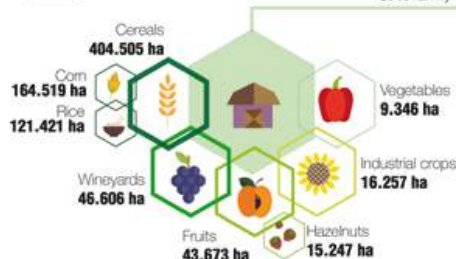
Agriculture area (U.A.A.) **1.013.157 ha**

78%

Area for pasture **371.350 ha**

n° 67.148 Crop Farms
15,14 ha average (U.A.A.)
97% family managed

n° 19.724 Breeding Farms
n° 52 head average
97% family managed



Italy

PIEDMONT

Population (inhabitants)

4.424.467

2015

density of population

171,8 hab/kmq

2011



+ 0,9
Mortality variation
last 30 years

46,2
Average age of population
2014

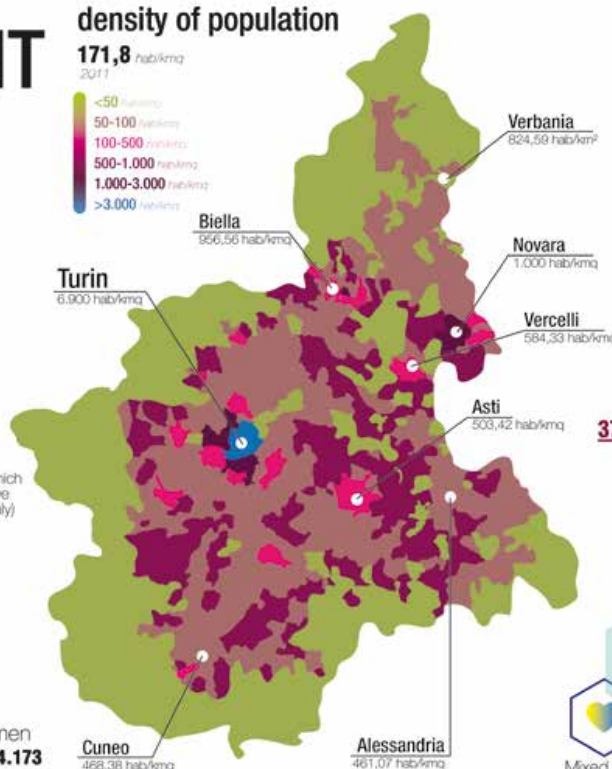
30,1
Average age at which
young people leave
parents' house (Italy)

- 0,3
Natality variation
last 30 years

152
Child adoption
2013

Men
2.140.294
2015

Women
2.284.173
2015



demography

family composition

2,2 Average number of
people in a family
2013

TOTAL
FAMILY UNITS **1.953.360**
2011

MAIN CATEGORIES

591.709 **246.850**

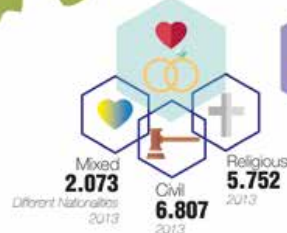
374.659

671.901

marriage

Marriages
12.599
2013

Divorces and
separation
12.152
2012



Italy

PIEDMONT

employment

Variation of total employment rate
Working age 20-64



Variation of total unemployment rate
Working age



1.347.299
employees
2013



Average income
per year

23.616 €
2011



demography

Average income
per age - ITALY
2015 (median equivalized net)

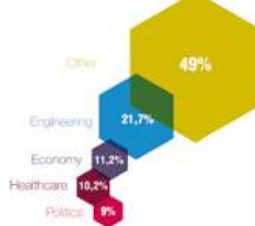


education

SCHOOLING RATE
41%
2013



VOCATION OF EDUCATION



NUMBER OF EDUCATION LEVELS & UNITS



migration

Rate of Emigration
+ 4,4 %
last 30 years



Rate of Immigration
+ 5 %
last 30 years



118.593
2016
Temporary immigrants

162.062
2016
Definitive immigrants

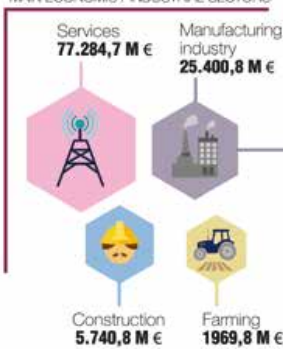


Italy

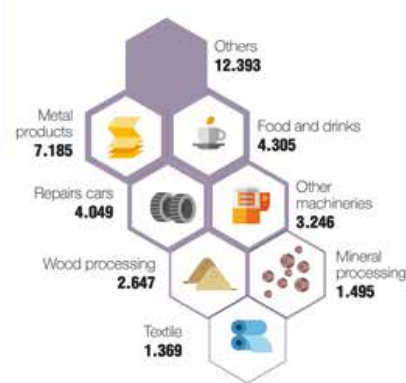
PIEDMONT

economy

MAIN ECONOMIC / INDUSTRIAL SECTORS

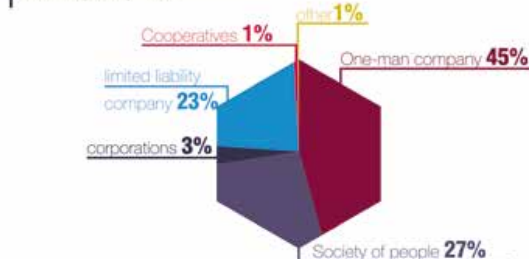


MANUFACTURING INDUSTRY 36.689 UNIT



INTERNAL ORGANIZATION OF INDUSTRY

Manufacturing industry 2011



NUMBER OF INDUSTRIES

MANUFACTURING SECTORS 2011



Italy PIEDMONT

traditions by season



folklore

instruments



dances



influences



languages



religion



notable residents

industrial- politician- religious



authors - musician- artist



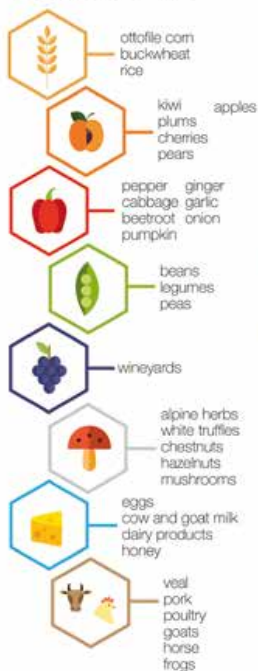
culture

sport



Italy PIEDMONT

food resources



culture gastronomy

traditions

MERENDA SINOIRA (afternoon snack):
bread
salami
cheese
fruit
wine

recipes



Italy

PIEDMONT

architecture

styles/
urban patterns



Landmarks

museums

Cinema museum Turin
Egyptian museum Turin
Barolo Museum in Barolo
Museo Archeologico Vercelli
Contemporary art museum in Rivoli



crafts



culture

craft districts



Italy

PIEDMONT

Torino 1st main city

foundation by Romans
Taurasia
III century B.C.

roman colony
by Augusto
Augusta Taurinorum
in I century B.C.

1st capital of Italy
in 1861-1865

1280
part of Savoy
County
Middle Ages
center of
Longobardo Duchy

890.529
2015

population

Women
466.848

Men
423.681

Immigrants
rate 81,5

universities

2
University of Torino
Politecnico di Torino

economic
sectors
2013

87.990
Companies
Other
Services
49.810
Commerce
21.104
Construction
7.861

Extraction
2.647
Energy and water
380
Transport
2.647
Manufacturing
5.541

urban centres

326.214
employees

cultural
events

Terra Madre/ Salone del Gusto
Slow Food September

main
infrastructures

5 Train stations
1 Metro Line
Caselle
airport
GTT
bus lines
Bike-sharing

churches
catholics



Italy PIEDMONT Novara

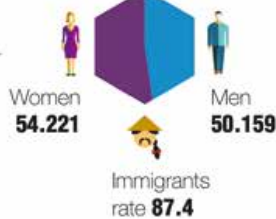
2nd city of Piedmont
for population

founded
by Celti
in **89 B.C.**

domain by:
Romans;
Longobard;
Visconti; Sforza;
Habsburg Empire;
Savoia; Austrian

Located
between Vercelli
and Milano

104.380
2015
population



universities

1
university pole
Perrone

Basilica
S. Gaudenzio

medieval
historic center

Gramsci
square

L'Arengo
del Broletto

**economic
sectors**
2013

8.668
Companies



urban centres

32.053
employees

Novara Carnival
February

**cultural
events**

**main
infrastructures**

3 train stations

bus lines

city wall

Duomo

**churches
catholics**

Italy PIEDMONT Alessandria

long siege
by imperial forces

Founded
in **XII century**

battle of Marengo

domain by:
Romans;
Visconti,
Milano duchy;
French; Austrian;
Savoia

strategic position:
at the center of triangle
Torino-Milano-Genova

93.943
2015
population



universities

2
Piemonte orientale
Politecnico di Torino

cittadella
militare

medieval
historic center

Napoleon's
plane tree

Synagogue

**economic
sectors**
2013

7.910
Companies



urban centres

29.385
employees

Salone del Biscotto
October

**cultural
events**

**main
infrastructures**

1 train station

bus lines

City hall

Cathedral

**churches
catholics**

Italy PIEDMONT Asti

Founded by Romans
1935 detached from Alessandria province

domain by: Romans; Longobard; Napoli; Orleans; Savoia
in the middle of wine hills, heart of Piedmont

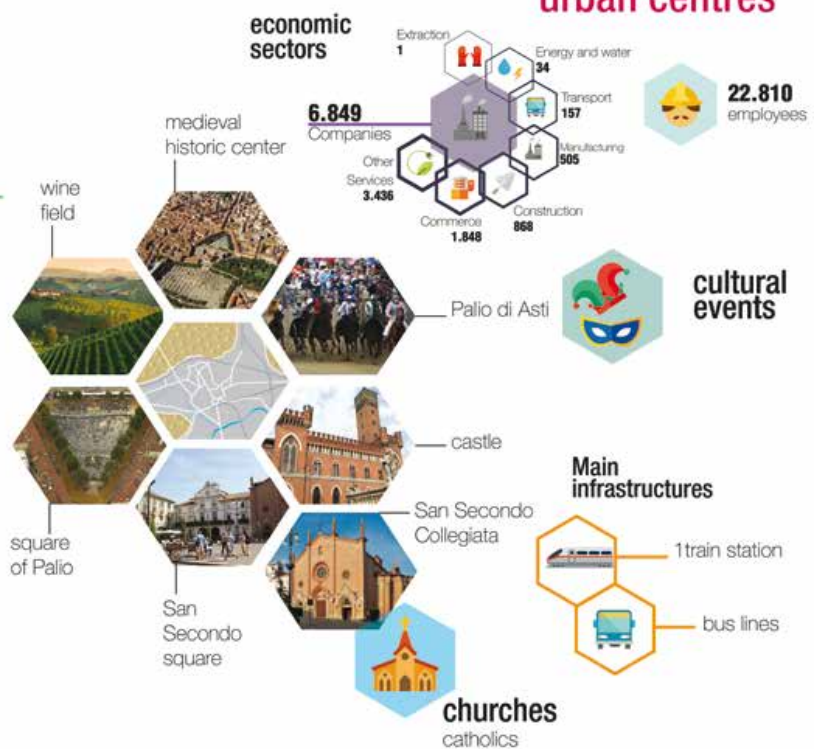
population

76.202
(2015)

Women
39.887

Men
36.315

Immigrants rate 103.7



Italy PIEDMONT Cuneo

come from carolingia city Auriate
Partisan center
was capital of 'piemonte provenzale'

domain by: Angioini; Romans; Visconti; Savoia; French-spanish

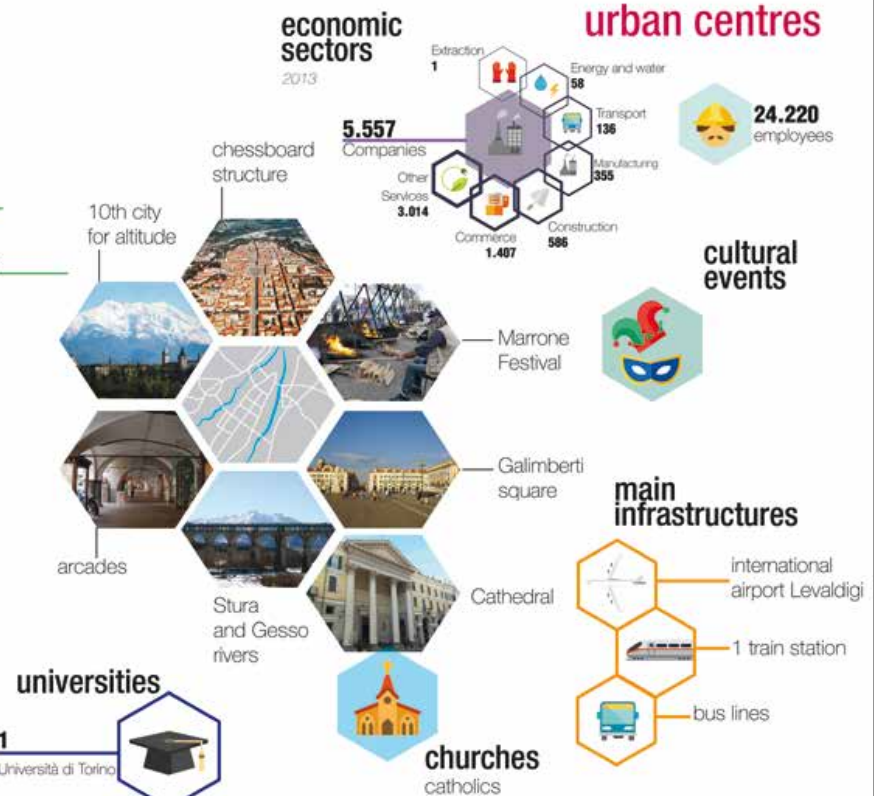
population

56.081
2015

Women
29.273

Men
26.808

Immigrants rate 91.8



Italy PIEDMONT Vercelli

founded by Celts,
Wehr-Celt

stop on the way
of via francigena

domain by:
Romans;
longobard;
Visconti;
Savoia;
Spanish

European
capital of rice

46.754

2015

population

Women
24.635

Men
22.119

Immigrants
rate 72,2

universities

1
Piemonte orientale

economic
sectors
2013

3.902
Companies

Other
Services
2.075

Extraction
1

Energy and water
22

Transport
85

Manufacturing
222

Commerce
1.110

Construction
387

12.277
employees

medieval
historic center

Cavour
square



Visconti
castle

synagogue

churches
catholics

museum
Arca

Basilica
Sant'Andrea

Basilica
Sant'Andrea

Basilica
Sant'Andrea

main
infrastructures

1 train station

bus lines

cultural
events

La Panissa vercellese
Sagra d'la Panissa

Italy PIEDMONT Biella

Foundation
826

important place
for the industrial
revolution after
the war with Piaggio

domain by:
Romans;
Longobards,
French;
Savoia

First modern
wool factory

44.733

2015

population

Women
23.957

Men
20.776

Immigrants
rate 52,6

universities

1 campus
University of Turin
Politecnico di Torino
Università del Piemonte Orientale

economic
sectors
2013

5.536
Companies

Other
Services
3.233

Extraction
1

Energy and water
36

Transport
69

Manufacturing
354

Commerce
1.441

Construction
402

18.759
employees

at the foot
of Alpes

the road
of the wool



Santuario
Oropa

Baptistry

funicular

Cathedral

churches
catholics

main
infrastructures

1 train station

bus lines

turistic airport
Biella-Cerrione

cultural
events

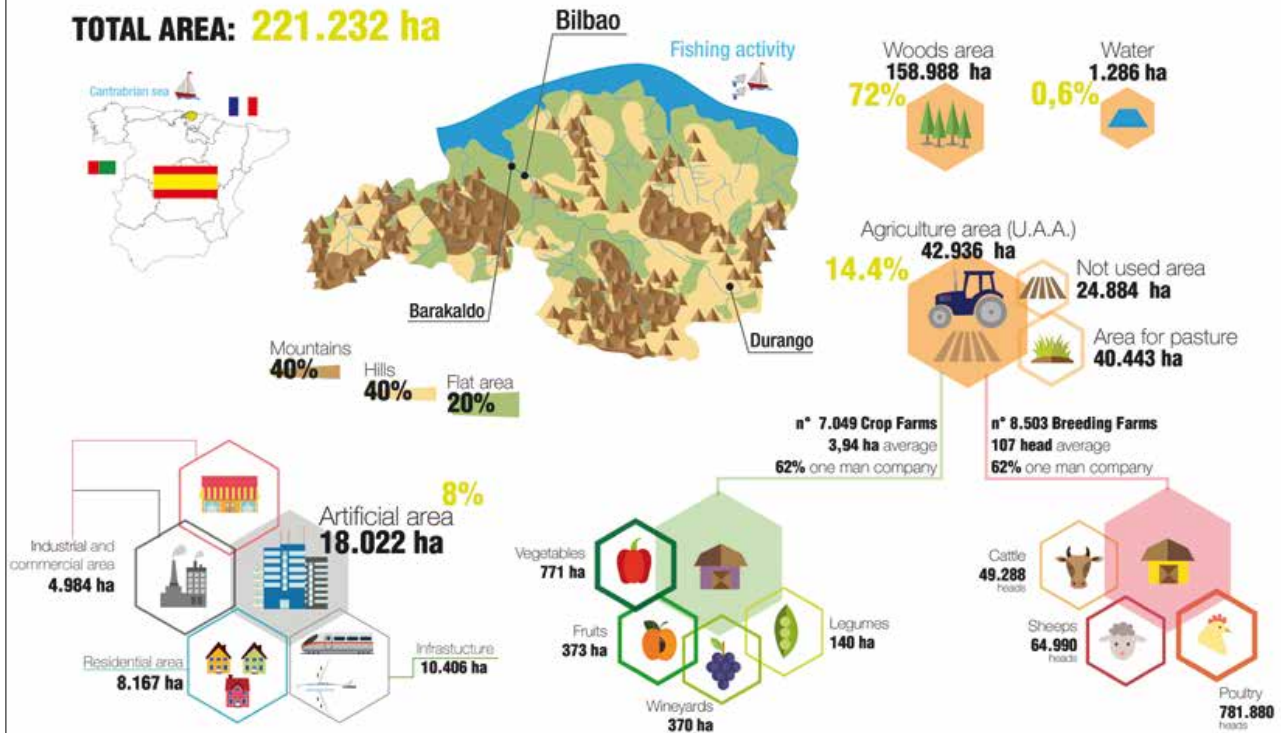
Biella Festival Autori
October

Spain - Basque Country

BISCAY

TOTAL AREA: **221.232 ha**

geography



Spain - Basque Country

BISCAY

Population (inhabitants)

1.141.442

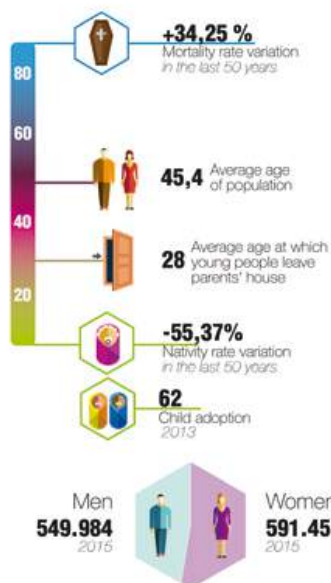
2015

density of population

515,36 hab/km²
2015



demography



family composition

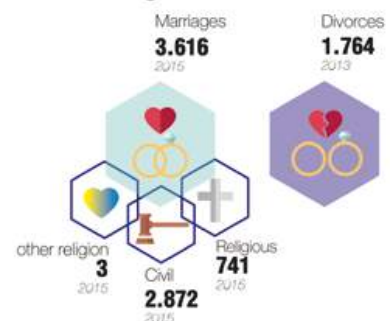
-5,9 Average number of people in a family variation in the last 50

TOTAL FAMILY UNITS **551.600**

MAIN CATEGORIES



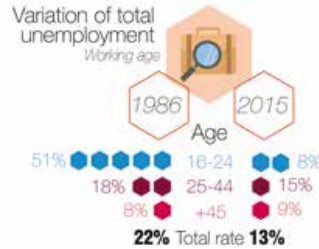
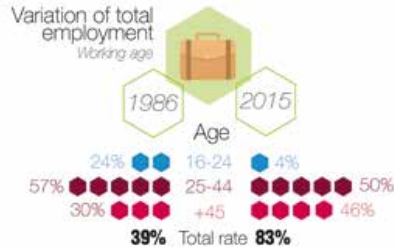
marriage



Spain - Basque Country

BISCAY

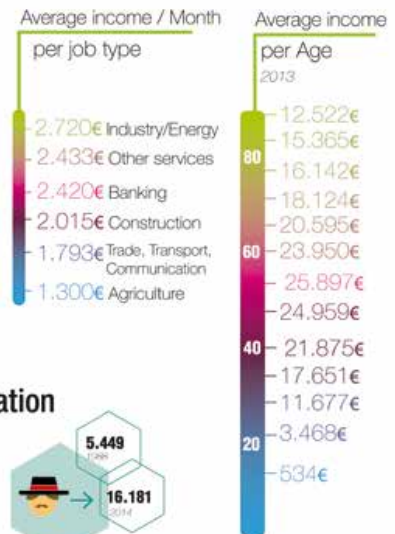
employment



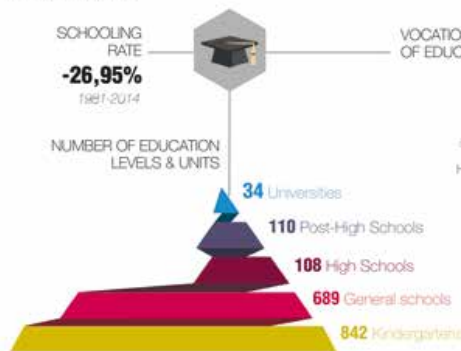
463.009 employees 2015



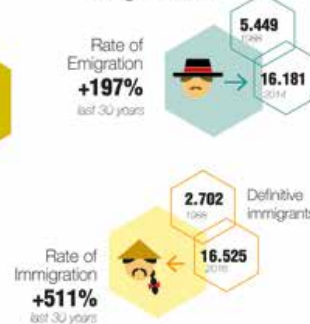
demography



education



migration



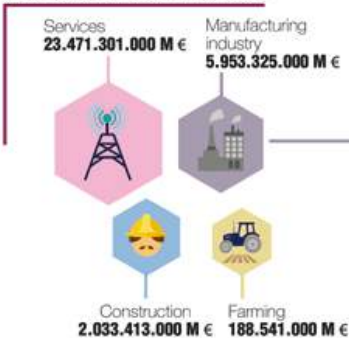
PEGO RD EU

Spain - Basque Country

BISCAY

economy

MAIN ECONOMIC / INDUSTRIAL SECTORS

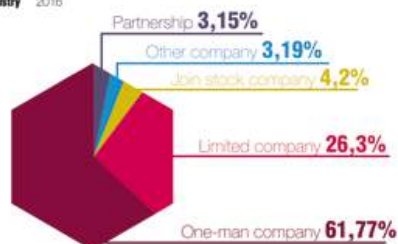


MANUFACTURING INDUSTRY 80.321 UNIT



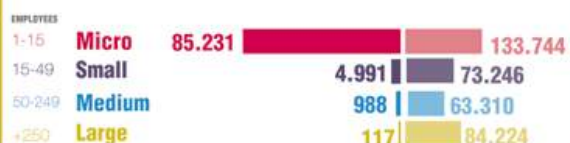
INTERNAL ORGANIZATION OF INDUSTRY

Manufacturing industry 2016



NUMBER OF INDUSTRIES

MANUFACTURING SECTORS 2015



NUMBER OF EMPLOYEES

MANUFACTURING SECTORS

Spain - Basque Country

BISCAY

influences



culture

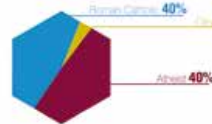
traditions by season



languages



religion



sport



notable residents

industrialist - politician - religious



folklore

instruments



dances



authors - musician - artist

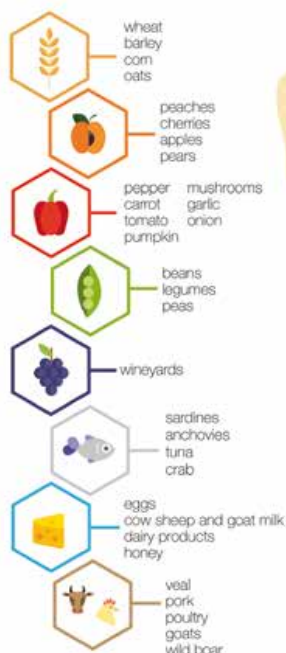


Spain - Basque Country

BISCAY

culture

food resources



traditions

Eating pintxos at 12pm going from a bar to another bar.



recipes

3 STAR Michelin Guide destination



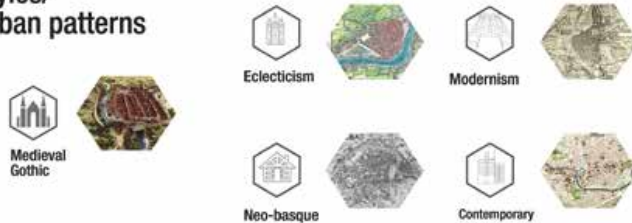
Spain - Basque Country

BISCAY

architecture



styles/
urban patterns



museums

Guggenheim Museum Bilbao
Bilbao Fine Arts Museum
the Basque Museum
Bilbao River Maritime Museum
Archaeological Museum of Bizkaia

crafts

craft-wood

basketry

pottery

culture

craft-leather

traditional
costumes
(skirts, coats, belts, scarfs,
waist, hats...)

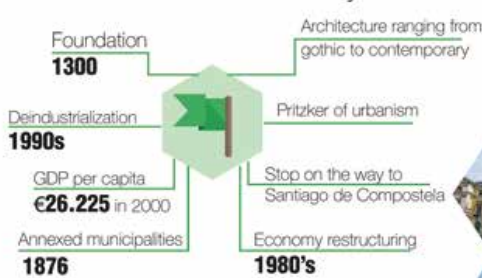
craft districts



Spain - Basque Country

BISCAY

Bilbao 1st main city



345.141
population

Women
182.577

Men
162.564

Immigrants
24.837

universities

3

Universidad del País Vasco
Universidad de Deusto

economic
sectors

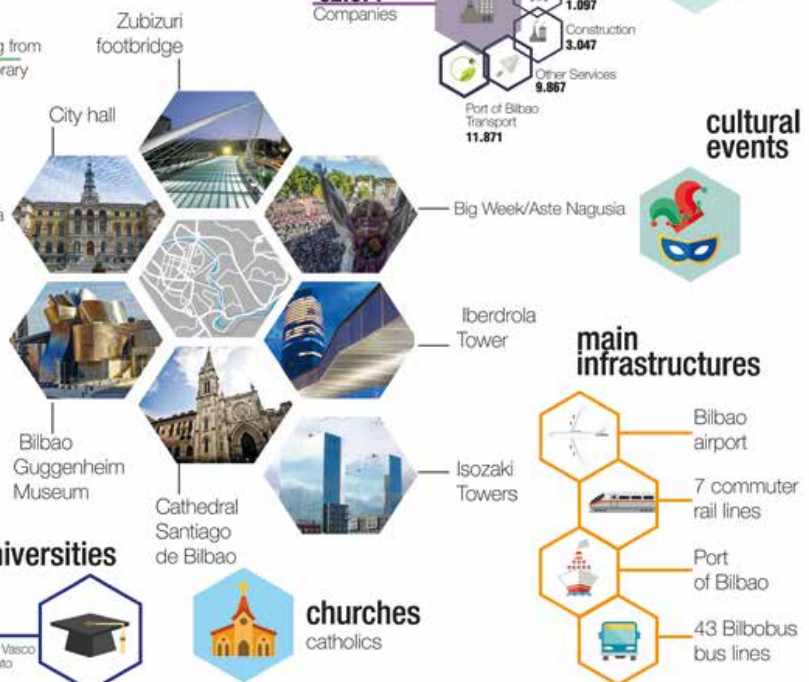
32.871
Companies

urban centres

108.165
employees

cultural
events

main
infrastructures



Spain - Basque Country

BISCAY

Barakaldo 2nd city

Foundation
1051

Industrial recession
1980's

Developed
as an endpoint
of a mining
railway

from industrial
to core services town

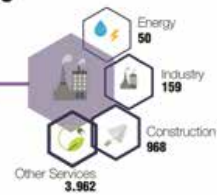
Iron Works Business
major economic activity
XIX/XX century

98.403
population



economic
sectors

6.902
Companies



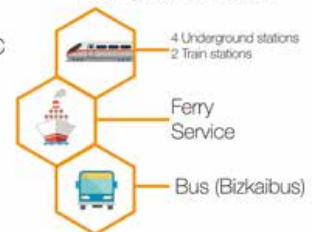
urban centres

28.567
employees



cultural
events

main
infrastructures



Spain - Basque Country

BISCAY

Durango 3rd city

Foundation
1300

Economy restructuring
1970's

Heavy Industry
XIX/XX century

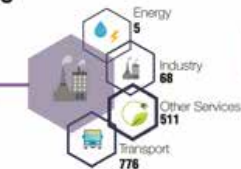
Architecture
Gothic
Neapolitan classic
Baroque
Contemporary

28.899
population



economic
sectors

1.951
Companies



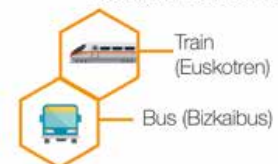
urban centres

7.798
employees



cultural
events

main
infrastructures



BISCAY

Spain - Basque Country

bibliography /webography

consultation date: from september 2016 to december 2016

geography

<http://en.eustat.eus>
<http://www.nasdaq.ejgv.euskadi.eus>
<https://en.wikipedia.org/wiki>
<http://www.ign.es>

demography

map: interpretation of the map retrieved from www.ksabarna.com

<http://www.eustat.eus>
<http://www.ine.es>
<http://www.euskadi.eus>
<http://www.elcorreo.com/bizkaia>
<http://www.bizkaia.eu>
<http://en.eustat.eus>
<http://www.mecd.gob.es>

economy

data from register of company
<http://www.eustat.eus/elementos>
<http://www.bizkaialent.eus>

culture

<http://www.kultura.ejgv.euskadi.eus>
<http://www.bilbaoiturismo.net>
<https://en.wikipedia.org>
<http://www.euskomedia.org>
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<https://ec.europa.eu>
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<http://www.bizkaialent.eus>
<http://www.bilbaoiturismo.net>

urban centers

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France

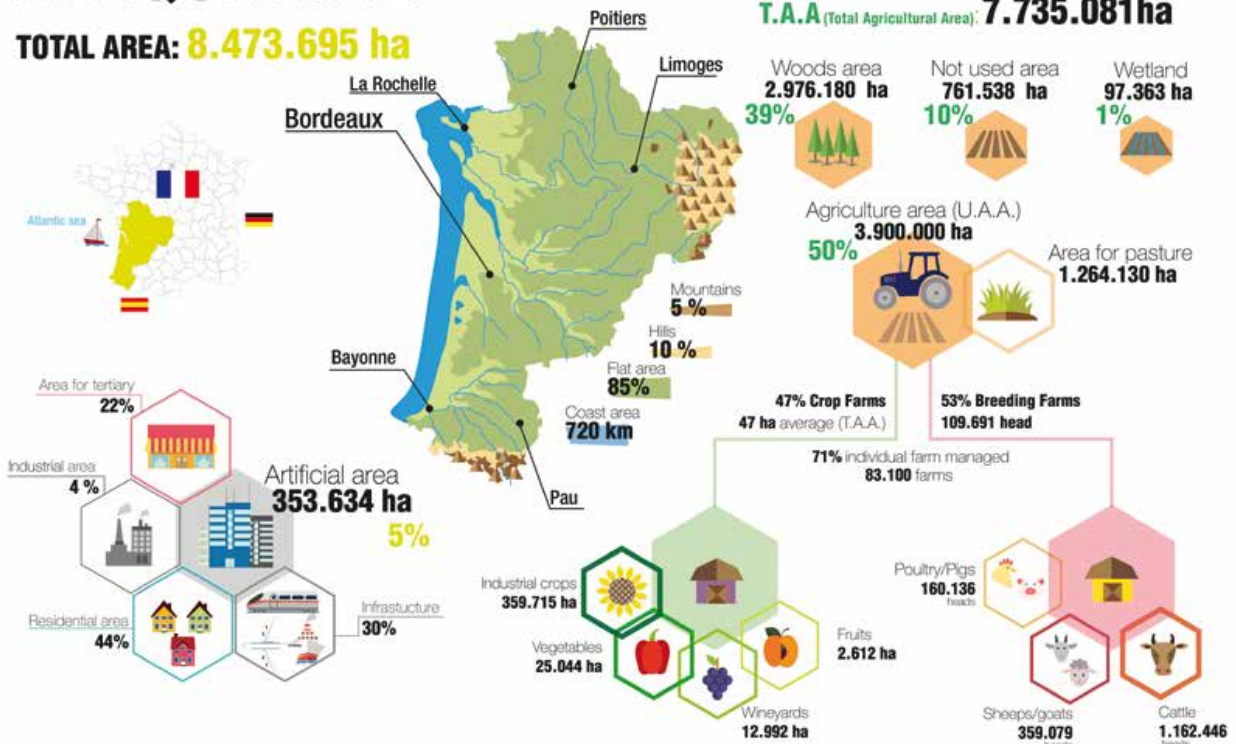
N. AQUITAINE

RÉGION NOUVELLE-AQUITAINE

TOTAL AREA: 8.473.695 ha

geography

T.A.A (Total Agricultural Area): 7.735.081 ha 95%



France

N. AQUITAINE

density of population 70 hab/kmq

Population (inhabitants)
5.844.176
2013

demography

family composition

2,1 Average number of people in a family

MAIN CATEGORIES

TOTAL FAMILY UNITS: 2.637.685

+11.87 Mortality rate variation 2007-2012

43 Average age of population

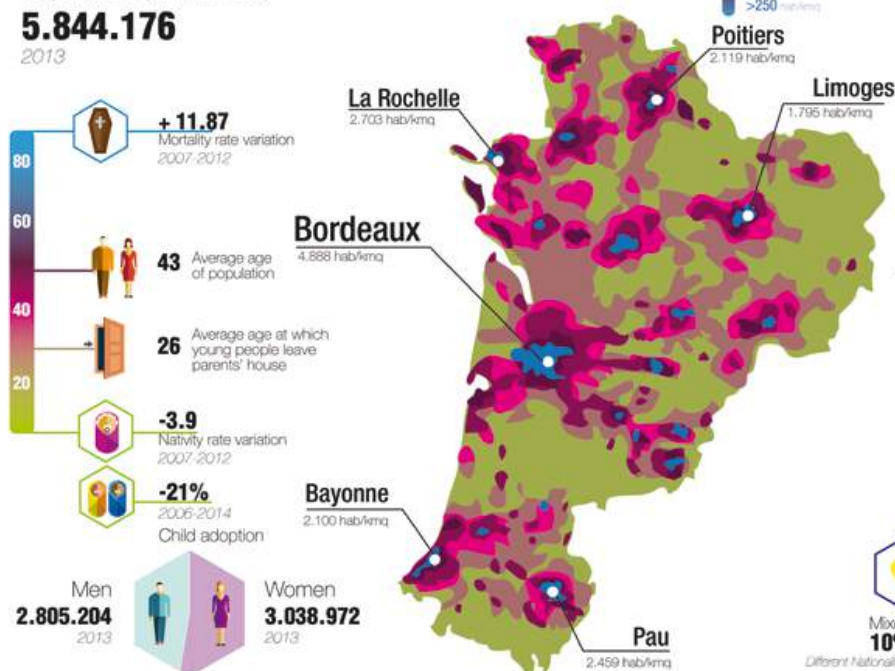
26 Average age at which young people leave parents' house

-3.9 Nativity rate variation 2007-2012

-21% 2006-2014 Child adoption

Men 2.805.204 2013

Women 3.038.972 2013



793.161 212.114

637.152 995.258

marriage

Union 37.416 2014

Divorces 11.039 2014

Mixed 10% Different nationalities 2014

Marriage 21.014 2014

Civil solidarity Pact 16.402 2014

France

N. AQUITAINE

2.345.400
employees
2015



demography

employment

Variation of total
employment
Working age



Variation of total
unemployment
Working age



Average income
per month

1.835 €



Average income
per Age



education

SCHOOLING
RATE
90%



VOCATION
OF EDUCATION



NUMBER OF EDUCATION
LEVELS & UNITS



migration



Rate of
Immigration
+ 5,6%

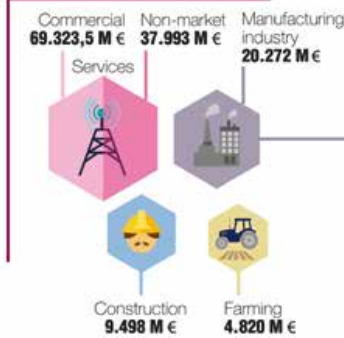


France

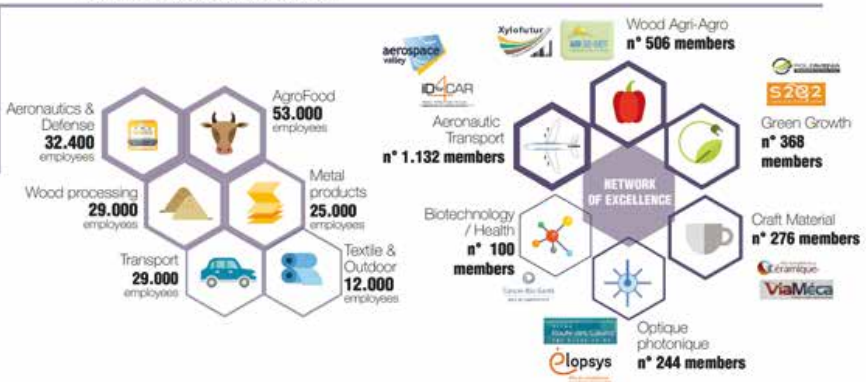
N. AQUITAINE

economy

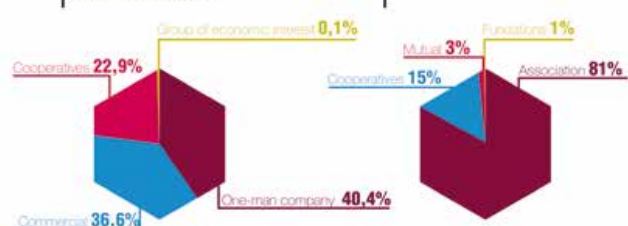
MAIN ECONOMIC / INDUSTRIAL SECTORS



MANUFACTURING INDUSTRY 36.898 UNIT

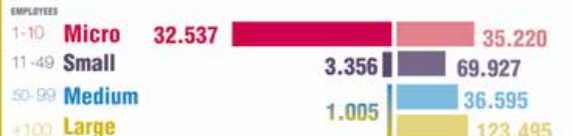


INTERNAL ORGANIZATION OF INDUSTRY
Manufacturing Industry 2016



NUMBER OF INDUSTRIES

Manufacturing Industry 2013



NUMBER OF EMPLOYEES

Manufacturing Industry 2013

France

N. AQUITAINE

traditions by season



folklore

instruments



dances



languages



notable residents

industrialist- politician- religious



authors - musician- artist



influences



religion



sport

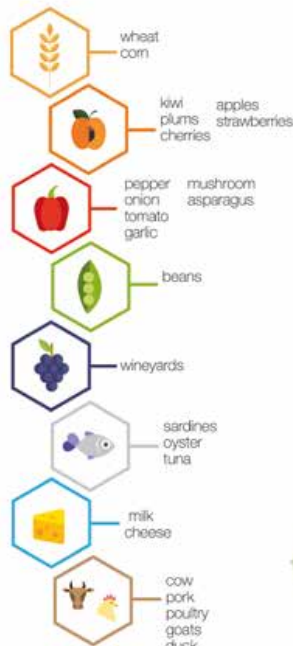


culture

FRANCE

N. AQUITAINE

food resources



culture gastronomy

traditions

Eat Tapes and watch Rugby



recipes



FRANCE

N. AQUITAINE

architecture

styles/
urban patterns



Landmarks

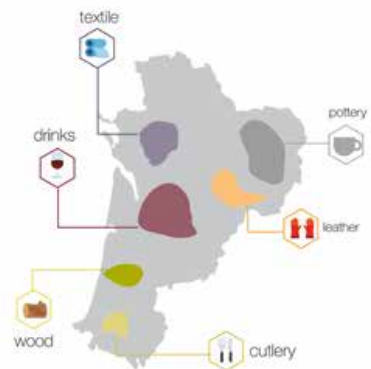


crafts



culture

craft districts



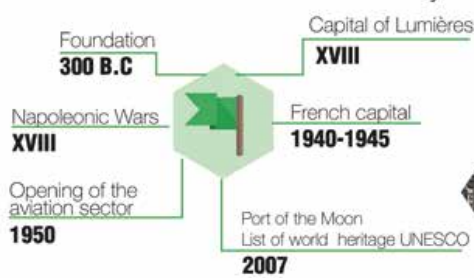
113 museums

Musée de la mer
Cité de l'Océan
Musée du chocolat

France

N. AQUITAINE

Bordeaux 1st main city



243.626
population



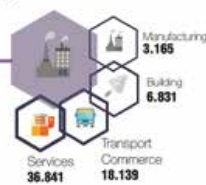
universities

3



economic
sectors

64.976
Companies



urban centres

319.331
employees

cultural
events



Bordeaux Wine Festival
June

main
infrastructures



churches
catholics



Wine City

City hall

Place Bourse

Cathedral
Saint André

Grand
Teatther

Stadium

France

N. AQUITAINE

Bayonne 2nd city

Foundation
950

Middle Ages part of
the Duchy of Vasconia

Center of Basque
cultures activist

Conquered by Vikings
844

Ruled By British
1169 -1199

47.492
population



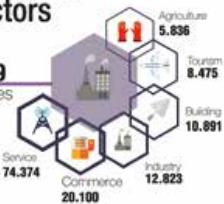
universities

8



economic
sectors

132.499
Companies

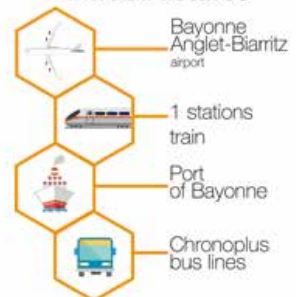


urban centres

117.082
employees

cultural
events

main
infrastructures



churches
catholics

France

N. AQUITAINE

Limoges 3rd city

Foundation
10 B.C

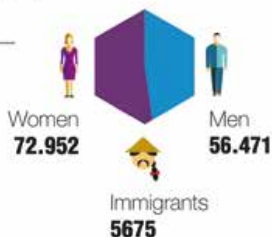
3rd century invasions
of Germanic tribes

11th century
artistic centre

General Confederation
of Labour
was created in **1895**

19th-century
Limoges porcelain

135.098
population



universities

1



economic
sectors

6.778
Companies

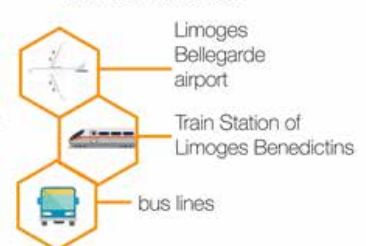


urban centres

118.096
employees

cultural
events

main
infrastructures



France

N. AQUITAINE

Poitiers 4th city

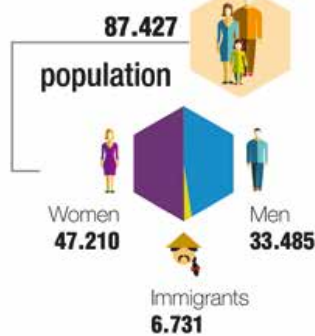
Foundation
1 B.C

Garrison town
XIX century

Major university
centre

Industrial
decentralisation
1970s

Hundred Years' War,
Battle of Poitiers
1356



universities

1
biggest university
town in France



**economic
sectors**

4.151
Companies



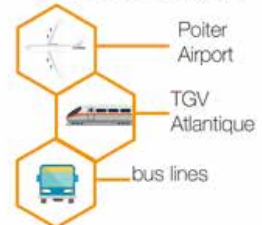
urban centres

103.740
employees

Film Festival
December

**cultural
events**

**main
infrastructures**



**churches
catholics**

France

N. AQUITAINE

La Rochelle 5th city

Foundation
X century

Renaissance
Protestant Orientated

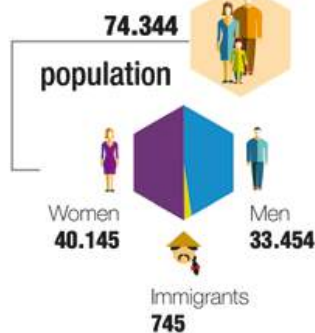
Templers
largest base

Siege of La Rochelle
1627-1628

Ruled By British
1360 -1372

Largest French harbour
on the Atlantic coast,
until the 15th century

Submarine base
WWII



universities

8



**economic
sectors**

6.089
Companies



urban centres

80.833
employees

Train
Station

**cultural
events**

**main
infrastructures**



**churches
catholics**

France

N. AQUITAINE

Pau 6th city

Foundation
12 B.C

Capital of Béarn
1464

Winter resort town
1920

Seat of the
Kings of Navarre
1512

The first
balloon/pne flights
1844-1909

77.575

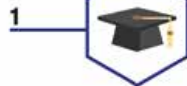
population

Women
41.890

Men
35.684

Immigrants
5674

universities



1

Palais
Beaumont

City hall



Parliament
of Navarra

Church of
Saint-Jacques



churches
catholics

economic
sectors

5.014
Companies



urban centres

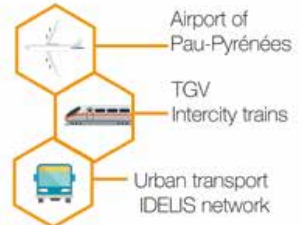
80.833
employees



Carnival Biarnés

Pont du
XIV Juillet

main
infrastructures



cultural
events



N. AQUITAINE France

bibliography /webography

consultation date: from september 2018 to december 2018

geography

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Map: elaboration of the map retrieved from: <http://www.pigma.org/>

economy

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SLOVENIA



TOTAL AREA: **2.073.000 ha**

geography

T.A.A (Total Agricultural Area): **491.414 ha** ^{24%}

Mountains **11%** Flat area **16%** Hills **75%**



Woods area
1.182.016 ha



Not used area
17.726 ha



Not fertile land
15.060 ha



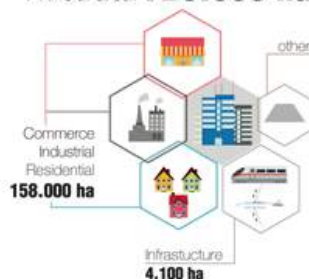
Agriculture area (U.A.A.)
476.682 ha



Area for pasture
274.251 ha



Artificial area: **720.000 ha** ^{35%}



n° 72.377 Crop Farms
6,8 average ha (SAT)
family management

n° 55.814 Breeding Farms
130 head average
n.d. management

Cereals
96.976 ha



Vegetables
4.115 ha



Vineyards
15.692 ha



Green Feed
10.419 ha



Fruits
10.981 ha



Pigs
273.100 heads



Cattle
657.789 heads



Poultry
6.137.118 heads



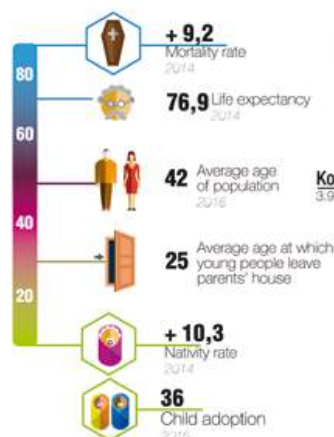
SLOVENIA

Population (inhabitants)

2.064.241

2016

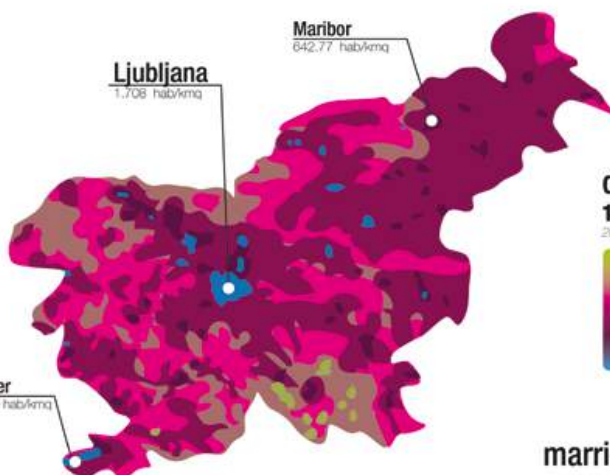
demography



Men
1.023.872



Women
1.040.369



density of population

101,6 hab/kmq

2000

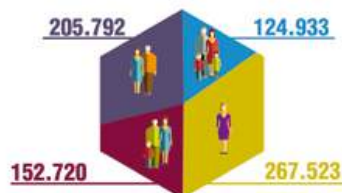


family composition

2,47 Average number of people in a family

TOTAL FAMILY UNITS **820.541**

MAIN CATEGORIES



marriage

Marriages
6.571

2014

Divorces
2.469

2014



SLOVENIA

demography

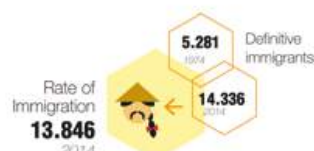
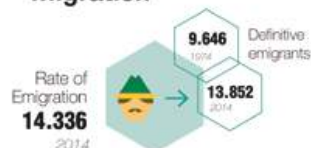
employment



education



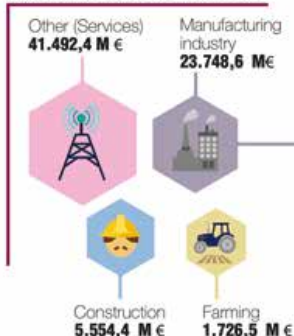
migration



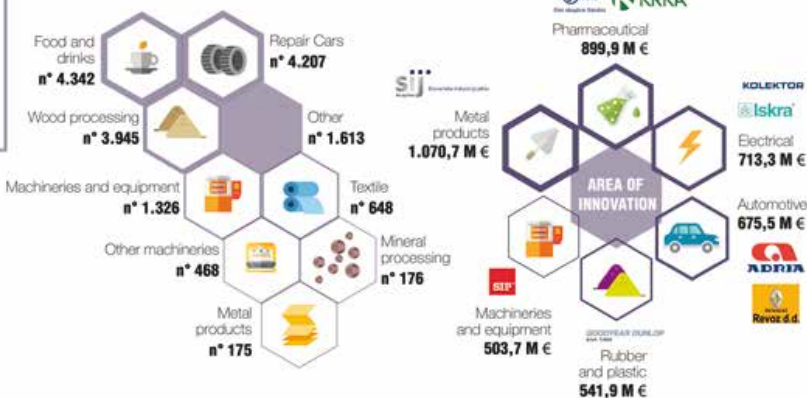
SLOVENIA

economy

MAIN ECONOMIC / INDUSTRIAL SECTORS

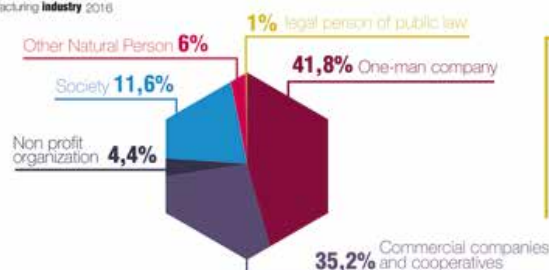


MANUFACTURING INDUSTRY 36.534 UNIT 2014



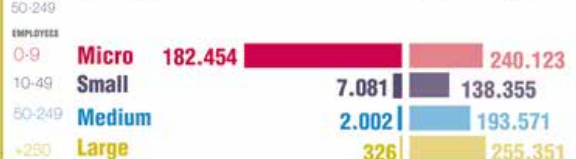
INTERNAL ORGANIZATION OF INDUSTRY

Manufacturing industry 2016



NUMBER OF INDUSTRIES

Manufacturing industry 2014



NUMBER OF EMPLOYEES

Manufacturing industry 2014

SLOVENIA

influences



culture

traditions by season



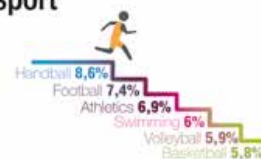
languages



religion



sport



notable residents

industrial- politician- religious



folklore

instruments



authors - musician- artist



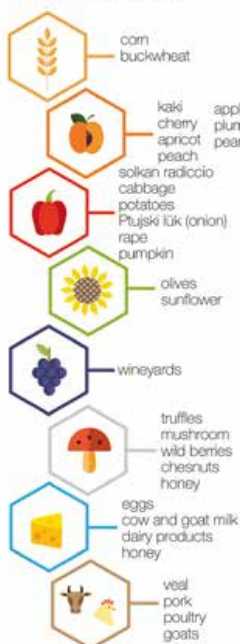
dances



SLOVENIA

culture gastronomy

food resources



traditions



recipes



SLOVENIA

Maribor 2nd city

Foundation
1204

Markburg
First Celtic name

Bombed
by the Allies
1945

European
Capital of Culture
2012

Largest city of
Lower Styria

Train Vienna & Trieste
1849

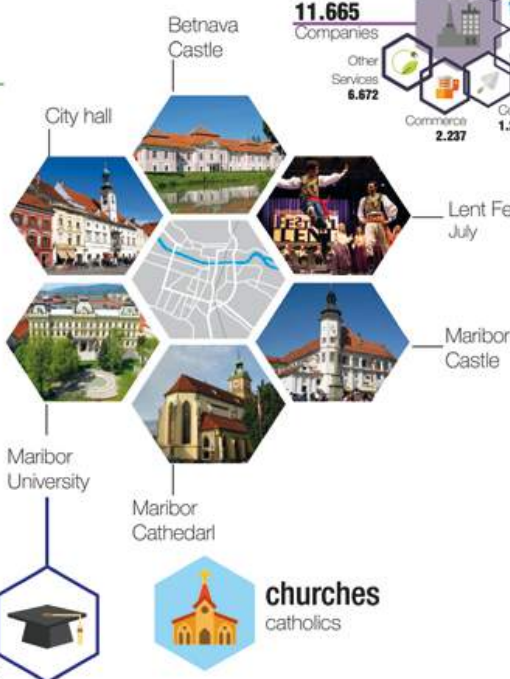
95.881

population

Women
48.951

Men
46.930

universities



economic
sectors

11.665
Companies

Other
Services
6.672

Commerce
2.237

Construction
1.240

Manufacturing
1.016

Energy and water
117

Transport
383

Manufacturing
1.016

Construction
1.240

Commerce
2.237

Other
Services
6.672

Companies
11.665

Energy and water
117

Transport
383

Manufacturing
1.016

Construction
1.240

Commerce
2.237

Other
Services
6.672

Companies
11.665

urban centres

56.164
employees

cultural
events

Lent Festival
July

Maribor
Castle

main
infrastructures

Edvard
Rusjan Airport

Railway
station

Marprom
bus lines

churches
catholics

SLOVENIA

Koper 3dr city

Foundation
599

Oldest town in
Slovenia

Italian Empire
1918-1954

Yugoslavia
1954-1991

Middle Ages,
was an island

Venetian Republic
1279-1797

Austrian Empire
1809-1918

25.459

population

Women
13.102

Men
12.357

universities

1



economic
sectors

5.475
Companies

Other
Services
3.009

Commerce
1.145

Construction
656

Manufacturing
341

Energy and water
29

Transport
295

Manufacturing
341

Construction
656

Commerce
1.145

Other
Services
3.009

Companies
5.475

urban centres

22.477
employees

cultural
events

Istrian Carnival
February

Port of Koper

main
infrastructures

Port of Koper

Train
station

Portorož
Airport

Transport
network

churches
catholics

SLOVENIA

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consultation date: from september 2016 to december 2016

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Romania

NORTH-EAST

TOTAL AREA: **3.685.000 ha**



Mountains **28 %**

Hills **12 %**

Flat area **60 %**

Artificial area: **158.260 ha 5 %**



geography

T.A.A (Total Agricultural Area): **3.518.306 ha 95 %**

Woods area **1.231.943 ha 35 %**

Not used area **34.021 ha 1 %**

Fallowed land **127.567 ha 4 %**

Agriculture area (U.A.A.) **2.124.775 ha 60 %**

Area for pasture **491.639 ha**

n° **790.901** Crop Farms
2,69 ha average
99 % family managed

n° **496.507** Breeding Farms
31,39 head average
99 % family managed

Cereals **1.162.811 ha**

Fruits **12.752 ha**

Animal feed **582.850 ha**

Vegetables **52.854 ha**

Industrial crops **142.967 ha**

Beef **515.339 heads**

Pigs **550.920 heads**

Poultry **12.867.214 heads**

Romania

NORTH-EAST

Population (inhabitants)

3.302.217

2011

+21 % Mortality rate variation 1990-2015

74 Life expectancy 2012

40 Average age of population 2016

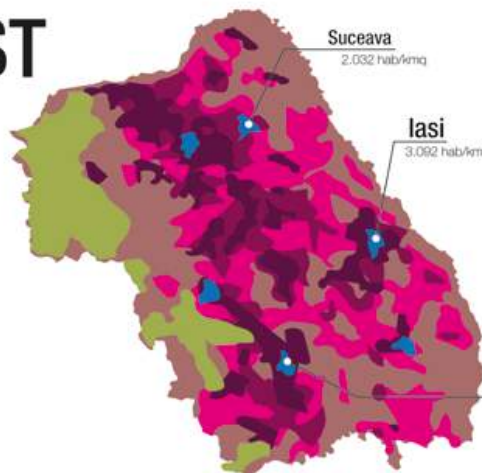
27 Average age at which young people leave parents' house

-47 % Nativity rate variation 1990-2015

-75,37 % Child adoption

Men **1.622.817**

Women **1.679.400**



demography

density of population

100,5 hab/kmq



Suceava **2.032 hab/kmq**

Iasi **3.092 hab/kmq**

Bacau **3.494 hab/kmq**

family composition

3,61 Average number of people in a family 2008-2015

15,41 %

49,24 %

35,35 %

marriage

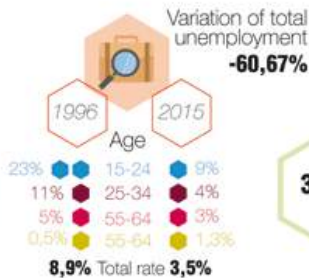
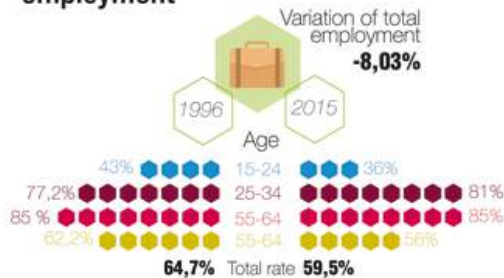
Marriages **20.754** 2015

Divorces **5.215** 2015

Romania

NORTH-EAST

employment

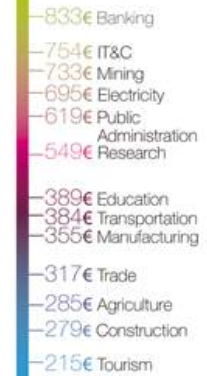


Average income per month

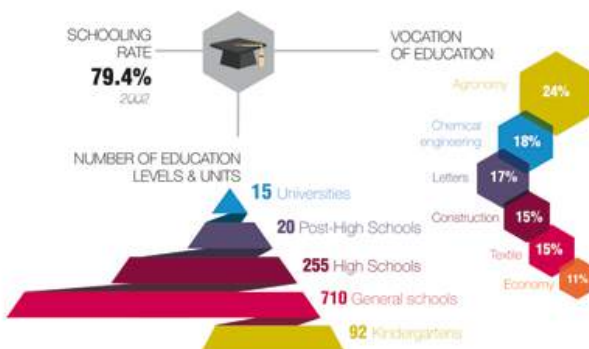
347 € 2015

demography

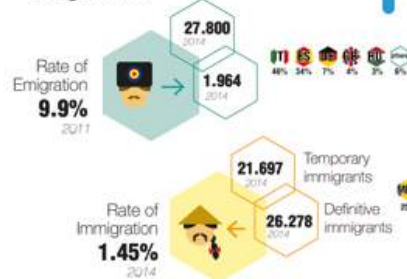
Average income/month per job type



education



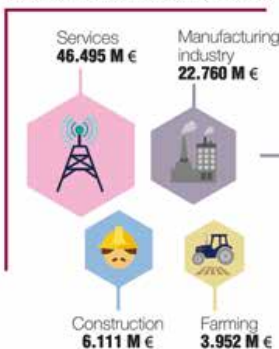
migration



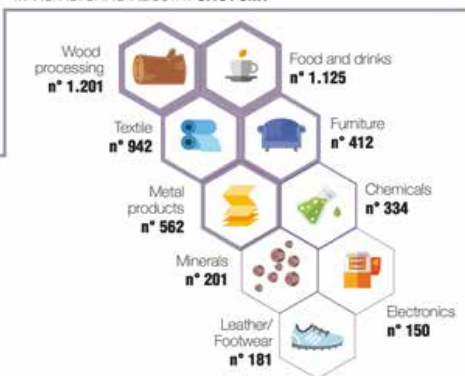
Romania

NORTH-EAST

MAIN ECONOMIC / INDUSTRIAL SECTORS

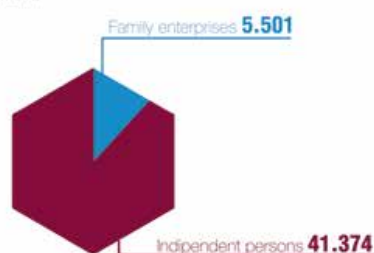


MANUFACTURING INDUSTRY 6.104 UNIT

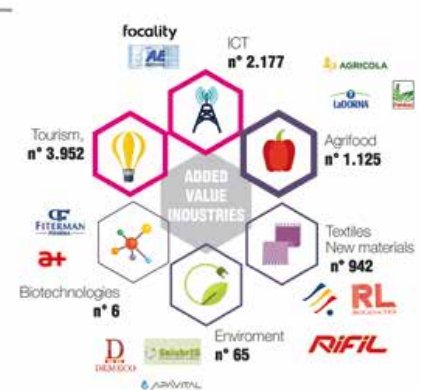


INTERNAL ORGANIZATION OF INDUSTRY

Private entrepreneurs 2015

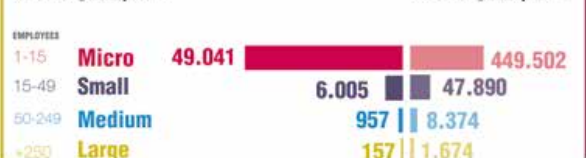


economy



NUMBER OF INDUSTRIES

Manufacturing Industry 2014



Romania

NORTH-EAST

influences



culture

traditions by season



languages



religion



sport



notable residents

industrialist - politician - religious



folklore

instruments



authors-musician-artist



dances

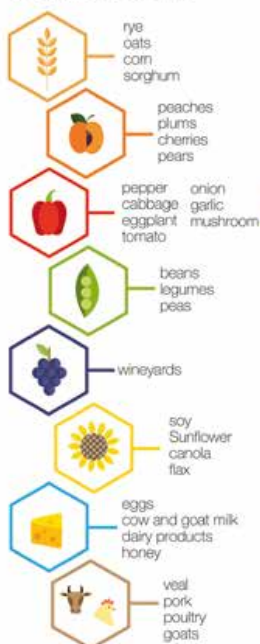


Romania

NORTH-EAST

culture gastronomy

food resources



recipes



traditions

Welcome guests with bread and salt, a symbol of hospitality and respect.



Romania

NORTH-EAST

124 museums

Palatul Culturii
Cucuteni Museum
Unirii Palace
Cetatea de Scaunrom

crafts

embroidery

handloom
carpets

culture

icons
on wood

Painted eggs

pottery

traditional costumes
(fota, skirts, coats, belts, belts,
scarfs, wallet, hats)

styles/
urban patterns



Roman



Medieval
Gothic
Churches



Byzantine



Neoclassic

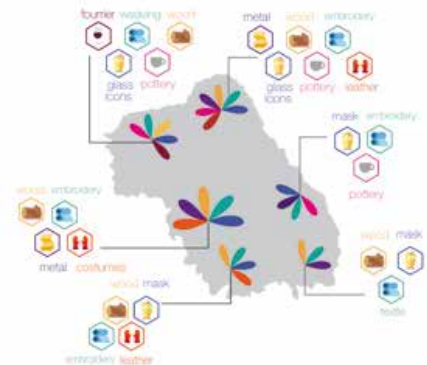


Rationalism
Communist
infrastructure

landmarks



craft districts



Romania

NORTH-EAST

Iasi 1st main city

Foundation
1230

The Cultural Capital
of Romania

Oldest city
in Romania

Destroyed
1513 by Tatars
1553 by Ottomans
1686 by Russian
1945 by URSS

Rebuilt
in 1950

290.422

population

Women
152.871

Men
137.551

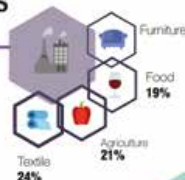
Immigrants
10.890

universities

6

economic
sectors

17.572
Companies



urban centres

108.165
employees

cultural
events

St. Parascheva pilgrimage
14th October

main
infrastructures

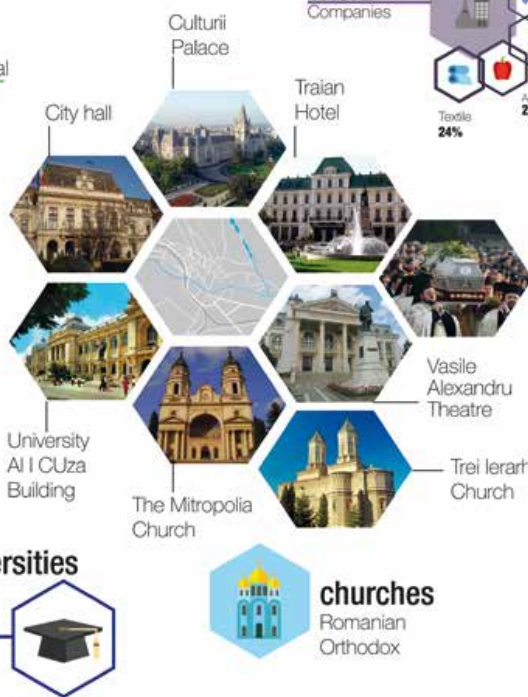
Iasi
international
airport

Train
station

bus lines

churches

Romanian
Orthodox



Romania

NORTH-EAST

Bacau 2nd city

Foundation
1230

Industrial center
biggest aeronautic
services factory

Architecture
-Interwar period
- socialist

Industrialized
1945

Economy Decrease
1990

144.307
population

Women
74.751

Men
69.556

Immigrants
7.752

universities

2

economic
sectors

14.175
Companies



urban centres

City Hall
City center

Zilele Bacaului
October

cultural
events

George
Bacovia
Theatre

Ortodox
Cathedral
Bacau

main
infrastructures

Bacau
international
airport

Train
station

bus lines

Candicev
Park

University
George
Bacovia

churches
Romanian
Orthodox

Romania

NORTH-EAST

Suceava 3rd city

Capital of Moldova
1565

Reindustrialized
in 1950

Part of
Austrian Empire
1775

Back
to Romania
1918

Architecture
Austrian-Hungarian
Classic neo byzantin
Humdrum

92.121
population

Women
48.870

Men
43.870

Immigrants
5.018

economic
sectors

13.872
Companies



urban centres

Palace
of Justice

Station
Burdieni

Zilele Sucevei
June

cultural
events

Princely Court

main
infrastructures

Edvard
Rusjan Airport

Train
station

Marprom
bus lines

Saint John
New Monastery

Catedrala
Nașterea
Domnului

churches
Romanian
Orthodox

NORTH-EAST Romania

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consultation date: from september 2016 to december 2016

geography

data from PRD 2014-2020
data from INSSE Tempo Database

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Map: rielaboration of the map retrieved from North-East Regional Development Agency

economy

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data from INSSE Tempo Database
data received from Chamber of trade and industry

culture

data from PRD 2014-2020
data from INSSE Tempo Database

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This volume aims at clarifying the role of Circular Economy according to a sustainable development and how policymakers can target it effectively in their activities. It is a guide to Systemic Design as a key methodology to establish sustainable regional action plans towards a Circular Economy.

As the result of an intense dialogue between people who present different perspectives and seek for a common language in the current complexity of policymaking and designing, this is the first of a three book series published across a four-year period (2016–2020) as part of the RETRACE Project funded by the Interreg Europe Programme.

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